



**SOFTWARE  
DIRECTORY**

**Keyword Index &  
Program  
Information**

***Complete  
IBM Software  
Coverage***

**1982 Edition**



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## Seventeenth Edition (February 1982)

This is a major revision and obsoletes GB21-9949-16.

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**This brochure contains products announced through January 24, 1982. Prices and service classifications shown are current as of April 1, 1982.**

# SOFTWARE DIRECTORY

## **The first place to look for ready-to-use Software!**

This is it! The latest edition of the IBM compact Software Directory ...a quick-reference listing that puts key facts on more than 2,000 Software programs and aids right at your fingertips.

Programs described in this Directory cover the entire range of IBM Systems, including the IBM System/370, 4300, 30xx, 8100, 51xx, Systems/3, 32, 34, 38, System/23-Datamaster, Series/1, the IBM Displaywriter and the IBM Personal Computer.

## **Handy three-way listing.**

All programs are listed three ways for easy reference: in an alphabetical Keyword Index, in Product "Cluster" groupings (on the yellow pages) and finally in sequence by Product Order Number.

Concise entries cover IBM Licensed Programs, including System Control Programming (SCPs), Program Products (PPs), Field Developed Programs (FDPs), Installed User Programs (IUPs) and Programming RPQs (PRPQs).

## **Fast, direct ordering. Product testing period.**

When you spot programs that look interesting, you can get more information or place your order in either of two easy ways: Mail one of the Postpaid cards located inside the back cover of this brochure, or contact your IBM representative.

What's more, with most programs you get a licensed program testing period of 1 or 2 months, as defined in the licensed program agreement. If you decide during this period that the program doesn't meet your needs, you may send it back.

So start now ... by pinpointing those programs that can help your department be more productive.

# Get Software news automatically!

To keep up with the latest Field Developed Programs (FDPs) and Installed User Programs (IUPs) on a continuing basis, sign up using the grey tinted Postpaid card at the back of this Directory.

As new products become available for each cluster, Availability Notices are automatically sent to those who have requested a subscription for that cluster.

## It's easy to get started.

On the cluster listing following this page, select the clusters in which you're interested, and note their "33xx" numbers. (This is a special IBM "General Bill of Forms" GBOF order number. It enables you to use one number to request an entire group of FDP/IUP Availability Notices through your IBM branch office.)

Your IBM representative can help you obtain FDP/IUP Availability Notices automatically by filling out the "Order Number" section of the standard Systems Library Subscription Service form (G120-1816).

Or there's an easier way:

Use the grey tinted Postpaid card in the back of the book to indicate the cluster titles of your choice and their "33xx" numbers.

Then we'll automatically include pertinent new product announcements with your update shipments.

IBM personnel who include the "14xx" cluster codes in their DAPS profiles can also receive new Availability Notices through their personal subscriptions.

## Also request this book.

To receive future editions of this Software Directory automatically, you should include form number GB21-9949 in your request. Just indicate on the Postpaid card, or Systems Library Subscription Service form, the **Software Directory** quantities you'd like. IBMers may use DAPS code 1152.

# A quick guide to using this Software Directory.

To give you as much information as possible in a compact, easy-to-use format, products are presented in each of three sections.

## **Section One: Keyword Index.**

Here, words that describe program characteristics, listed alphabetically, point the way to the variety of IBM Software. If you're looking for a program with particular characteristics, pick a word (or words) that would likely describe it (e.g. "Sort") ... find the word in the Index ... and the program(s) including that characteristic will be listed.

## **Section Two: Product Clusters.**

Programs with similar functional characteristics are grouped into clusters. The index of clusters begins on the next page. With each of the cluster titles is the page number where the listing of programs begins.

If, for instance, you want to find programs useful for office or text applications, turn first to the cluster index and scan the major headings and specific cluster categories. Then turn to the page indicated for the "Text & Office Systems Applications" to find other offerings. Note: Many programs fit into more than one functional cluster – e.g. the Distributed Office Support System also appears in the cluster titled "Distributed Systems."

## **Section Three: Program Order Sequence.**

If you know a program's order number, this section is your quickest route to more information.

## **How to proceed next.**

Once you've identified the IBM programs that you'd like to know more about, flip to the Postpaid cards at the back of this Directory. You can use them to order the program and evaluate the software and the helpful technical manuals which accompany the program. Or you can ask for the General Information Pamphlet to learn more about the program.

To order a product or request more information, use the Postpaid cards. Or contact your IBM representative.

# Software Cluster Index

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**Local Program Support for Class 1  
System Control Programming  
for specific IBM Machines**

| Model     | Category A |       | Category B |       | Category C |      |
|-----------|------------|-------|------------|-------|------------|------|
|           | one        | mult  | one        | mult  | one        | mult |
| 115       | \$ 108     | 173   |            |       |            |      |
| 125       | 135        | 216   |            |       |            |      |
| 135       | 193        | 309   |            |       |            |      |
| 138       | 220        | 352   |            |       |            |      |
| 145       | 250        | 400   | \$ 357     | 571   |            |      |
| 148       | 335        | 536   | 478        | 765   |            |      |
| 155-II    | 250        | 400   | 357        | 571   |            |      |
| 158       | 416        | 666   | 594        | 950   |            |      |
| 158-AP    | 466        | 746   | 665        | 1,065 |            |      |
| 158-MP    | 466        | 746   | 665        | 1,065 |            |      |
| 165-II    | 362        | 579   | 517        | 827   |            |      |
| 168       | 597        | 955   | 852        | 1,365 |            |      |
| 168-AP    | 725        | 1,160 | 1,035      | 1,660 |            |      |
| 168-MP    | 725        | 1,160 | 1,035      | 1,660 |            |      |
| 3031      | 443        | 709   | 632        | 1,010 |            |      |
| 3031-AP   | 501        | 802   | 715        | 1,145 |            |      |
| 3032      | 597        | 955   | 852        | 1,365 |            |      |
| 3033-S    | 571        | 914   | 815        | 1,305 |            |      |
| 3033-N    | 663        | 1,060 | 946        | 1,515 |            |      |
| 3033      | 802        | 1,285 | 1,145      | 1,835 |            |      |
| 3033-AP   | 931        | 1,490 | 1,330      | 2,130 |            |      |
| 3033-MP   | 931        | 1,490 | 1,330      | 2,130 |            |      |
| 3081-D    | 1,085      | 1,735 | 1,550      | 2,480 |            |      |
| 3081-K    | 1,325      | 2,120 | 1,890      | 3,025 |            |      |
| 4321      | 154        | 246   |            |       |            |      |
| 4331-1    | 154        | 246   |            |       |            |      |
| 4331-2    | 220        | 352   |            |       |            |      |
| 4331-11   | 182        | 291   |            |       |            |      |
| 4341-1    | 439        | 702   | 627        | 1,005 |            |      |
| 4341-2    | 518        | 829   | 740        | 1,185 |            |      |
| 4341-10   | 390        | 624   | 550        | 880   |            |      |
| 4341-11   | 450        | 720   | 650        | 1,040 |            |      |
| 3704/3705 |            |       |            |       | \$25       | 40   |

Category A includes:

DOS/VSE  
OS/VS1 Rel 7  
VM/370 Rel 6

Category B includes:

All SCPs in Category A  
MVS Release 3.8  
MVS/SP Corequisite SCP

Category C includes:

NCP/VS Version 5 (5744-BA2, 5747-AJZ)  
EP/VS Version 3 (5744-AN1, 5747-AG1)  
ACF/NCP Corequisite SCP (5747-CH1)

Currently supported, independently released System Control Programming, when used with Class 1 SCP on an IBM processor, will be supported as Class 1 SCP and included in Categories A and B.

# Helpful information about the listings.

To help make things easier, and to make sure you know more about what you're getting as you use the Directory offerings, note the following:

1. Programs are often referred to interchangeably by their order or PID numbers. PID is an abbreviation for the IBM Program Information Department, which distributes IBM licensed programming products.
2. Order numbers for **Field Developed Programs (FDPs)** generally begin with 5798 or 5785; those for **Installed User Programs (IUPs)** usually begin with 5796 or 5787.
3. **System Installation Productivity Option programs (System/IPOs)** are assigned order numbers that begin with 5750. The asterisks indicate that prices and other information depend on the specific components chosen for each System/IPO. Check individual product listings for that information.
4. Order numbers beginning with 5799 are for **Programming Requests for Price Quotations (PRPQs)**, which may require special procedures before they can be licensed. Your IBM representative can provide additional information regarding these and other PRPQs.
5. After the seven-digit order number for some products, you'll see a slash followed by two digits (e.g. /02, /05). This indicates a separate chargeable feature. The Environment / Feature column lists the code numbers needed when ordering the specific option shown.
6. A number of products have Field Engineering Division **Local Licensed Program Support (LLPS)** as well as **Multiple Licensed Program Support (MLPS)** which is available for sites with multiple licenses ... for a monthly charge. Contact your IBM representative for more specific details.
7. **Computer-Graphics Augmented Design and Manufacturing (CADAM®)** and **Computer-Graphics Aided Three Dimensional Interactive Applications (CATIA®)** products show the monthly charge for subsequent licenses within an enterprise in the DSLO column. See Availability Notice G320-6030 and/or G320-6650. CADAM® is a registered trademark of Lockheed Corporation. CATIA® is a registered trademark of Dassault Systems.

8. Registered trademarks are shown in the listing section as (R). Other trademark product names and owners include:
  - CAEDS - Structured Dynamics, Research Corp.
  - EasyWriter - Information Unlimited Software, Inc.
  - VisiCalc - Personal Software, Inc.
  - FAST TRACK - Science Research Associates, Inc.
  - UCSD Pascal - the Regents of the University of California
  - UCSD p-System - the Regents of the University of California
9. The IBM/SRA Education Catalog (G320-1244) describes the terms, conditions and ordering procedures that apply to certain FDPs and IUPs that operate with the IBM Interactive Instructional Presentation System program product.
10. **Charges and terms stated in this Directory are for information purposes only and are subject to change.** IBM Licensed Programs are available under the Agreement for IBM Licensed Programs (Z120-2800). **Prices and service classifications shown are current as of April 1, 1982.** Charges for all Licensed Programs are continuous unless otherwise specified in the Months (MO) column. Applicable taxes will be added to the prices shown. **All information is subject to confirmation at the time a license is granted.** Consult your IBM representative for further information.

# More information to help you use the Directory.

Items that are new to this edition are highlighted by a caret (>) symbol in the left-hand margin.

Asterisks indicate that prices and other information depend on the specific components chosen for each System/IPO.

**DSLO:** Distributed System License Option allows you to use multiple program copies at a reduced rate. DSLO licenses do not have a testing period allowance. Central service for DSLO licenses will be provided only through the customer location designated for the basic license. See your IBM representative for specific details.

**LLPS:** Local Licensed Program Support provides programming service and Field Engineering assistance at your computer site.

**MLPS:** Multiple Licensed Program Support provides programming service and Field Engineering assistance at your computer site for users with multiple licenses.

**MO:** This refers to the number of months during which various License charges are in effect, if applicable. Charges for Licensed Programs are continuous unless specified here.

**TC:** The Terms and Conditions column identifies those products which have additional provisions relating to their licensing. Consult your IBM representative for complete information. Codes are:

- P - Initial and/or Processing charges apply.
- Q - Annual license fee shown; paid-up license also available.
- R - Recurring monthly charge shown; also available with a paid-up license option; initial and/or process charges may also apply.
- T - Terminal access and initial charges also apply.

**TP:** The Testing Period shows the number of months during which you can test a program under the license agreement. Initial charges begin when the test period ends or productive program use begins, whichever comes first. The code Y in this column represents a five-day test period. The testing period does not apply to DSLO licenses.

**IL:** The Installation License column refers to the need for a separate license for each processor, unless otherwise provided. Codes are:

- S - Separate license applies
- L - Location license applies
- I - Installation license applies

**SV:** The Software Service column shows you the type of service available for each product. For further information on specific terms, consult your IBM representative.

Service codes are:

- A Central and local Field Engineering or Customer Engineering Programming Service.
- B Central Programming Service and local Systems Engineering assistance.
- C Central Programming Service is not provided. Local Programming Service available at an hourly charge.
- D Central Programming Service and local Systems Engineering Programming Service.
- E Central Service available.
- H Central Service available until date shown in Availability Notice.
- J Class 1 System Control Programming. Central Service including the IBM Support Center. Local Program Support for IBM processors is available under separate agreement (Z120-2829) from Field Engineering Division, with monthly charges based on the processor model, or at the applicable hourly rate. See page VIII for charges.
- K Central Service including the IBM Support Center. Local Licensed Program Support by the Field Engineering Division is available under separate agreement (Z120-2831) at monthly charges, or at the applicable hourly rate.
- L Central Service, including the IBM Support Center. Local Licensed Program Support on a per-call basis only.
- N Class 1 or 2 System Control Programming, depending on the operating system environment utilized. Service offerings are the same as for codes J or S, as appropriate.
- S Class 2 System Control Programming. Central and Local Field Engineering or Customer Engineering service available while the SCP remains current.

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|----------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >A/P           | FINANCIAL: PAYMENT PROCESSING A/P        | 5668-970     |     | 264     |          |          |          |    | GH20-2467    | OS/V5,IMS/CICS/V5        | 1 S B       |
| A/P            | FINANCIAL: PAYMENT PROCESSING A/P        | 5746-F55     |     | 238     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| >A/R           | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5668-969     |     | 356     |          |          |          |    | GH20-2467    | OS/V5,IMS/CICS/V5        | 1 S B       |
| A/R            | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5746-F54     |     | 317     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| >A/R           | REVENUE ACCOUNTING CONSTRUCTION A/R      | 5726-M6A     |     | 99      | 74       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D       |
| >ABC REPORTS   | S/32 ADVERT A/R & CIRCULATION            | 5796-NWG     |     | 603     |          |          |          | 12 | GB30-1297    | SYSTEM/32                | 1 S H       |
| >ABC REPORTS   | S/34 ADVERT A/R & CIRCULATION            | 5796-NXN     |     | 603     |          |          |          | 12 | GB30-1297    | SYSTEM/34                | 1 S H       |
| ABSTRACT       | MEDICAL RECORD ABSTRACT SYSTEM           | 5796-AYL     |     | 747     |          |          |          | 24 | G320-6341    | DOS/VSE                  | 1 S H       |
| ACCAP          | AUTOCODER TO COBOL CONVERSION WITH CMS   | 5798-CNH     |     | 1120    |          |          |          | 01 | GB21-2022    | VM/CMS                   | 0 I H       |
| ACCESS         | CONSUMER TERMINAL ACCESS METHOD - CTAM   | 5799-AZN     |     | 290     |          |          |          |    | GH20-4576    | 3626 DEVICES             | 1 S C       |
| ACCESS         | DIRECT ACCESS STORAGE DEVICE MIGRATION   | 5668-002     |     | 1150    |          |          |          | 01 | GC26-3972    | OS/V5,5740-SM1           | 0 I C       |
| ACCESS         | DIRECT ACCESS STORAGE DUMP RESTORE       | 5740-UT1     |     | 157     |          |          |          |    | GH20-9116    | OS/V51,OS/V52,OS/MFT     | 1 S C       |
| ACCESS         | DIRECT ACCESS STORAGE CONVERSION AID     | 5798-CLQ     |     | 2250    |          |          |          | 01 | GB21-1990    | OS/V5                    | 0 S H       |
| >ACCESS        | DMS/CICS EXTENDED ACCESS                 | 5798-DJH     |     | 650     |          |          |          | 01 | GB21-2944    | DMS/CICS/OS/DOS          | 1 S H       |
| >ACCESS        | EDX INDEXED ACCESS METHOD                | 5719-AM3     | R   | 22      |          |          |          |    | GC34-0345    | SERIES/1                 | 1 S C       |
| >ACCESS        | EDX INDEXED ACCESS METHOD VERSION 2      | 5719-AM4     | R   | 38      |          |          |          |    | SC34-0404    | SERIES/1                 | 1 S E       |
| ACCESS         | GLOBAL SHARED ACCESS METHOD              | 5796-ATX     |     | 300     |          |          |          | 24 | G320-6083    | OS/V52, SU7              | 1 S H       |
| >ACCESS        | GRAPHICS ACCESS METHOD / SYSTEM PRODUCT  | 5668-978     |     | 400     | 300      |          |          |    | GC33-0125    | VM/SP FOR 3250/2250      | 1 S L       |
| >ACCESS        | INDEXED ACCESS METHOD CPS                | 5799-TAH     | R   | 6       |          |          |          | 24 | SC34-1556    | SERIES/1                 | 1 S C       |
| ACCESS         | INFORMATION / ACCESS - OZS               | 5735-OZS/04  |     | 270     | 202      | 13       | 35       |    | GC34-2053    | 6051                     | 1 S K       |
| ACCESS         | INTER-REGION ACCESS METHOD               | 5796-AYH     |     | 300     |          |          |          | 12 | G320-6335    | MVS WITH VSAPL           | 1 S H       |
| >ACCESS        | NCCF TERMINAL ACCESS FACILITY FEATURE    | 5735-XX6/02  |     | 68      | 51       | 14       | 22       |    | GC27-0429    |                          | 2 S K       |
| ACCESS         | POWER/V5 RJE CONTROLLED ACCESS MONITOR   | 5798-CPH     |     | 80      |          |          |          | 12 | GB21-2066    | DOS/V5                   | 1 S H       |
| ACCESS         | RESOURCE ACCESS CONTROL FACILITY         | 5740-XXH     |     | 728     | 546      | 32       | 51       |    | GC28-0722    | MVS                      | 2 S K       |
| >ACCESS        | RPS INDEXED ACCESS METHOD                | 5719-AM1     | R   | 20      |          |          |          |    | GC34-0292    | SERIES/1                 | 1 S C       |
| >ACCESS        | RPS INDEXED ACCESS METHOD VER 2          | 5719-AM2     | R   | 38      |          |          |          |    | GC34-0395    | SERIES/1                 | 1 S E       |
| ACCESS         | SEQUENTIAL ACCESS METHOD EXTENDED        | 5740-AM3     |     | 89      | 66       | 5        | 8        |    | GH20-9122    | MVS                      | 1 S K       |
| ACCESS         | VSAM ACCESS SUBROUTINES                  | 5796-AJW     |     | 675     |          |          |          | 01 | G320-8161    | OS/V51-2                 | 1 S H       |
| ACCESS         | VSAM ACCESS SUBROUTINES                  | 5796-AJX     |     | 607     |          |          |          | 01 | G320-8161    | DOS/V5                   | 1 S H       |
| ACCESS         | VSAM AND ACCESS METHOD SERVICES COURSE   | 5798-DAN     |     | 156     |          |          |          | 12 | GB21-2518    | IIS,IIPS                 | 1 L H       |
| ACCESS         | VSE ACCESS CONTROL LOGGING               | 5746-XE7     |     | 48      | 36       | 17       | 28       |    | GH12-5130    | DOS/VSE                  | 1 S K       |
| ACCESS         | 1400 COMPATIBILITY ACCESS ROUTINE        | 5798-CDB     |     | 500     |          |          |          | 01 | GB21-1546    | DOS/V5                   | 1 I H       |
| >ACCESS        | 8100 SEGMENTED ACCESS METHOD             | 5796-BCQ     |     | 270     |          |          |          | 12 | G320-6639    | DPPX,DTMS                | 1 S H       |
| >ACCESS SYSTEM | CONTROLLED ACCESS SYSTEM - 1             | 5798-NQJ     | P   | 166     |          |          |          | 12 | GB30-1175    | SERIES/1                 | 1 S H       |
| ACCOUNT        | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DAQ     |     | 230     |          |          |          |    | GB21-2521    | CICS/OS/V5               | 1 I E       |
| ACCOUNT        | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DAT     |     | 189     |          |          |          |    | GB21-2521    | CICS/DOS/V5              | 1 I E       |
| ACCOUNT        | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DBP     |     | 379     |          |          |          |    | GB21-2568    | OS/V5 IMS/V5             | 1 I E       |
| >ACCOUNT       | CLIENT ACCOUNT & FINANCIAL REPORTING SYS | 5726-C21     |     | 170     |          |          |          |    | GH30-0230    | SYSTEM/34                | 1 I C       |
| >ACCOUNT       | CLIENT ACCOUNT & FINANCIAL REPORT SYS II | 5726-C22     |     | 195     | 146      |          |          |    | GH30-0230    | SYSTEM/34                | 1 I D       |
| ACCOUNTING     | ACCOUNTING APPLICATION PROGRAM FEATURE   | 5746-H14/02  |     | 231     |          |          |          |    | GH20-1179    | 6001-6003                | 2 I C       |

| KEYWORD     | PROGRAM INFORMATION                      | ORDER NUMBER | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT                    | T | I | S |
|-------------|--|--------------|---|------|------|------|------|---------|--------------------------------|---|---|---|
|             |  |              | C | SEE  | SEE  | SEE  | SEE  | MO      | OR FEATURE #                   | P | L | V |
| ACCOUNTING  | ACCOUNTING INFORMATION MODULE            | 5796-ATH     | R | 59   | 33   |      |      |         | G320-6063 OS/V5,VM/CMS         | 1 | S | E |
| >ACCOUNTING | APPROPRIATION ACCOUNTING                 | 5701-G22     |   | 151  |      |      |      |         | GH20-1049 SYSTEM/3             | 1 | I | C |
| >ACCOUNTING | CLIENT ACCOUNTING & FINANCIAL REPORTING  | 5725-C21     | R | 170  |      |      |      |         | GH30-0306 SYSTEM/32            | 1 | I | C |
| ACCOUNTING  | COMMERCIAL BANK SAVINGS ACCOUNTING       | 5746-F62     |   | 330  |      |      |      |         | GH20-2497 DOS/VSE AND CIF/V5   | 1 | S | B |
| ACCOUNTING  | COPICS INVENTORY ACCOUNTING II           | 5785-GR6     |   | 70   |      |      |      |         | GB21-2644 DOS/VSE OS/V5 DL/I   | 1 | S | E |
| ACCOUNTING  | DATA PROCESSING ACCOUNTING FOR IMS/V5    | 5740-DC2     |   | 385  |      |      |      |         | GH19-6028 OS/V5                | 1 | I | C |
| >ACCOUNTING | DEMAND DEPOSIT ACCOUNTING BANKING        | 5725-F12     |   | 94   |      |      |      |         | GH30-0359 SYSTEM/32            | 1 | I | C |
| >ACCOUNTING | DEMAND DEPOSIT ACCOUNTING BANKING        | 5726-F12     |   | 150  |      |      |      |         | G360-0050 SYSTEM/34            | 1 | I | D |
| ACCOUNTING  | DPCX ACCOUNTING SYSTEM / DEPARTMENTAL    | 5798-DDL     |   | 110  |      |      |      | 12      | GB21-2688 DMS/3790,DPCX        | 1 | S | H |
| >ACCOUNTING | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5668-969     |   | 356  |      |      |      |         | GH20-2467 OS/V5,IMS/CICS/V5    | 1 | S | B |
| ACCOUNTING  | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5746-F54     |   | 317  |      |      |      |         | GH20-2467 DOS/VSE,CICS,DL/I    | 1 | S | B |
| >ACCOUNTING | FIXED ASSET ACCTG & CONTR SYS            | 5798-NQF     |   | 161  |      |      |      | 12      | GB30-1156 SYSTEM/34            | 1 | S | H |
| >ACCOUNTING | GENERAL ACCOUNTING BY BPI SYSTEMS INC    | 6024-026     |   | 425  |      |      |      | 01      | GX20-2397 IBM PERSONAL COMPUTR | 0 | S | H |
| ACCOUNTING  | HEALTH CARE SUPPORT ACCOUNTING SYSTEM    | 5746-H14/01  |   | 109  |      |      |      |         | GH20-1179 DOS/V5               | 2 | I | C |
| >ACCOUNTING | INSTALLMENT LOAN ACCOUNTING BANKING      | 5725-F14     |   | 104  |      |      |      |         | GH30-0362 SYSTEM/32            | 1 | I | C |
| >ACCOUNTING | INSTALLMENT LOAN ACCOUNTING BANKING      | 5726-F14     |   | 170  |      |      |      |         | G360-0050 SYSTEM/34            | 1 | I | D |
| >ACCOUNTING | INVENTORY ACCOUNTING MGMT INFO MULTI IND | 5715-XX6     |   | 1025 |      |      |      | 01      | GB30-2711 SYS/23 DATAMASTER    | 1 | I | E |
| >ACCOUNTING | MOTOR FREIGHT REVENUE ACCOUNTING         | 5725-T21     |   | 265  |      |      |      |         | GH30-0312 SYSTEM/32            | 1 | I | C |
| >ACCOUNTING | MOTOR FREIGHT REVENUE ACCOUNTING         | 5726-T21     |   | 304  |      |      |      |         | GH30-0413 SYSTEM/34            | 1 | I | D |
| >ACCOUNTING | MOVING AND PARKING CITATION ACCOUNTING   | 5701-G23     |   | 151  |      |      |      |         | GH20-1084 SYSTEM/3             | 1 | I | C |
| ACCOUNTING  | ONLINE DEMAND DEPOSIT ACCOUNTING SYSTEM  | 5796-AFN     |   | 5250 |      |      |      | 12      | G320-8119 OS/V52,IMS           | 1 | S | H |
| ACCOUNTING  | ONLINE BUDGET ACCOUNTING                 | 5796-ANC     |   | 325  |      |      |      | 12      | G320-5723 DOS/V5               | 1 | I | H |
| >ACCOUNTING | PUBLIC BUDGETING & ACCOUNTING APPL GOVT  | 5726-G21     |   | 323  | 242  |      |      |         | GH30-0229 SYSTEM/34            | 1 | I | D |
| >ACCOUNTING | REVENUE ACCOUNTING CONSTRUCTION A/R      | 5726-M6A     |   | 99   | 74   |      |      |         | GH30-0707 SYSTEM/34            | 1 | I | D |
| >ACCOUNTING | S/34 FIXED ASSET ACCTG/CTL II            | 5798-RJH     |   | 2100 |      |      |      | 01      | GB30-1787 SYSTEM/34            | 1 | S | H |
| >ACCOUNTING | SAVINGS ACCOUNTING BANKING               | 5725-F13     |   | 90   |      |      |      |         | GH30-0360 SYSTEM/32            | 1 | I | C |
| >ACCOUNTING | SAVINGS ACCOUNTING BANKING               | 5726-F13     |   | 147  |      |      |      |         | G360-0050 SYSTEM/34            | 1 | I | D |
| >ACCOUNTING | STUDENT ACCOUNTING SCHOOL ADMINISTRATION | 5725-E32     |   | 119  |      |      |      |         | GH30-0307 SYSTEM/32            | 1 | I | C |
| >ACCOUNTING | STUDENT ACCOUNTING SCHOOL ADMINISTRATION | 5726-E32     |   | 136  |      |      |      |         | GH30-0414 SYSTEM/34            | 1 | I | D |
| >ACCOUNTING | SYSTEM/23 CLIENT ACCOUNTING CPA          | 5715-CA1     |   | 2050 |      |      |      | 01      | GB30-2796 SYS/23 DATAMASTER    | 1 | I | E |
| ACCOUNTING  | VM/CMS CONTROL & ACCOUNTING PROGRAMS     | 5798-AYP     |   | 47   |      |      |      | 12      | GB21-1110 VM/CMS               | 1 | S | H |
| ACCOUNTING  | 3650 STORE ACCOUNTING REPORT CUSTOMIZER  | 5798-CW6     |   | 71   |      |      |      | 12      | GB21-2273 DOS/V5 ANS COBOL     | 1 | S | H |
| >ACCOUNTS   | ACCOUNTS RECEIVABLE DISTRIBUTION         | 5714-D42     |   | 99   | 74   |      |      |         | GH30-0130 SYSTEM/38            | 1 | I | D |
| >ACCOUNTS   | ACCOUNTS PAYABLE DISTRIBUTION            | 5714-D48     |   | 61   | 46   |      |      |         | GH30-0710 SYSTEM/38            | 1 | I | D |
| >ACCOUNTS   | ACCOUNTS PAYABLE MANUFACTURING           | 5714-M43     |   | 61   | 46   |      |      |         | GH30-0710 SYSTEM/38            | 1 | I | D |
| >ACCOUNTS   | ACCOUNTS RECEIVABLE MANUFACTURING        | 5714-M44     |   | 61   | 46   |      |      |         | GH30-0708 SYSTEM/38            | 1 | I | D |
| >ACCOUNTS   | ACCOUNTS PAYABLE MGMT INFO MULTI IND     | 5715-XX3     |   | 1025 |      |      |      | 01      | GB30-2744 SYS/23 DATAMASTER    | 1 | I | E |
| >ACCOUNTS   | ACCOUNTS RECEIVABLE MGMT INFO MULTI IND  | 5715-XX4     |   | 1025 |      |      |      | 01      | GB30-2722 SYS/23 DATAMASTER    | 1 | I | E |
| >ACCOUNTS   | ACCOUNTS PAYABLE                         | 5721-XB3     |   | 76   |      |      |      | 24      | G280-0182 5120 SYSTEM          | 1 | S | C |
| >ACCOUNTS   | ACCOUNTS RECEIVABLE                      | 5721-XB4     |   | 76   |      |      |      | 24      | G280-0183 5120 SYSTEM          | 1 | S | C |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >ACCOUNTS        | ACCOUNTS RECEIVABLE LUMBER DEALERS       | 5725-D4B     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE                      | 5725-D43     |     | 68      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS PAYABLE DISTRIBUTORS            | 5725-D62     |     | 49      |          |          |          |    | GH30-0315    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | 5725-D66     |     | 68      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE HOSPITAL             | 5725-H12     |     | 31      |          |          |          |    | GH30-0450    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS PAYABLE MFG                     | 5725-M33     |     | 49      |          |          |          |    | GH30-0036    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE MFG                  | 5725-M34     |     | 51      |          |          |          |    | GH30-0031    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS PAYABLE CONSTRUCTION            | 5725-M62     |     | 64      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE DISTRIBUTORS         | 5726-D4B     |     | 68      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE LUMBER DEALERS       | 5726-D4F     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE DISTRIBUTORS         | 5726-D42     |     | 70      | 53       |          |          |    | GH30-0185    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS PAYABLE DISTRIBUTORS            | 5726-D6B     |     | 49      |          |          |          |    | GH30-0219    | SYSTEM/34                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | 5726-D66     |     | 69      |          |          |          |    | GH30-0156    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE HOSPITAL             | 5726-H12     |     | 51      |          |          |          |    | GH30-0405    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS PAYABLE MFG                     | 5726-M33     |     | 49      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE MFG                  | 5726-M34     |     | 51      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS PAYABLE DISTR MFG MAPICS        | 5726-M43     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE MFG                  | 5726-M44     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS        | ACCOUNTS PAYABLE CONSTRUCTION            | 5726-M62     |     | 64      |          |          |          |    | GH30-0707    | SYSTEM/34                | 1 I C       |
| >ACCOUNTS        | ACCOUNTS PAYABLE CONSTRUCTION            | 5726-M68/01  |     | 85      | 64       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D       |
| ACCOUNTS         | ACCOUNTS PAYABLE                         | 5798-CAC     |     | 170     |          |          |          | 12 | GB21-1392    | DOS/VS                   | 1 I H       |
| >ACCOUNTS        | ACCOUNTS PAYABLE / PEACHTREE SOFTWARE    | 6024-007     |     | 595     |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0 S H       |
| >ACCOUNTS        | ACCOUNTS RECEIVABLE / PEACHTREE SOFTWARE | 6024-009     |     | 595     |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0 S H       |
| ACCOUNTS         | OPEN ITEM ACCOUNTS RECEIVABLE            | 5798-CAE     |     | 135     |          |          |          | 12 | GB21-1395    | DOS/VS                   | 1 I H       |
| >ACCOUNTS PAYABL | RETAIL VENDOR ACCTS PAY SYSTEM           | 5796-NTD     |     | 115     |          |          |          | 12 | GB30-0771    | SYSTEM/32                | 1 S H       |
| >ACCOUNTS PAYABL | 5110 ACCOUNTS PAYABLE                    | 5798-NPK     |     | 86      |          |          |          | 12 | GB30-1119    | 5120 SYSTEM              | 1 S H       |
| >ACCOUNTS RECEIV | 5110 ACCOUNTS RECEIVABLE                 | 5798-NPN     |     | 86      |          |          |          | 12 | GB30-1151    | 5120 SYSTEM              | 1 S H       |
| >ACCT REC FARMS  | S/23 FARM MGMT ACCTG SYSTEM              | 5796-ZAY     |     | 3000    |          |          |          | 01 | GB30-1777    | SYS/23 DATAMASTER        | 1 I H       |
| >ACCTG PRACTICE  | COMPUTING FOR AN ACCTG PRACTICE          | 5798-NRE     |     | 166     |          |          |          | 12 | GB30-1205    | 5120 SYSTEM              | 1 S H       |
| >ACCTG SYS FARMS | S/23 FARM MGMT ACCTG SYSTEM              | 5796-ZAY     |     | 3000    |          |          |          | 01 | GB30-1777    | SYS/23 DATAMASTER        | 1 I H       |
| >ACCTG INVTY     | S/1 AUTO DEALER SYSTEM                   | 5796-RFG     |     | 730     |          |          |          | 24 | GB30-1723    | SERIES/1                 | 1 S H       |
| >ACCTS           | OVER-THE-CTR INV &ACCTS REC INQ DTC      | 5726-DM5     |     | 2070    |          |          |          | 01 | GB30-2501    | SYSTEM/34                | 1 S C       |
| >ACCTS PAYABLE   | S/23 CONSTR INFO - ACCTS PAYABLE         | 5796-ZAR     |     | 1650    |          |          |          | 01 | GB30-1728    | SYS/23 DATAMASTER        | 1 I H       |
| >ACCTS PAYABLE   | S/23 JOB SHOP CONTROL - A/P              | 5796-ZAJ     |     | 1200    |          |          |          | 01 | GB30-1714    | SYS/23 DATAMASTER        | 1 I H       |
| >ACCTS PAYABLE   | S/36 ONLINE ACCTS PAYABLE                | 5798-RFT     |     | 175     |          |          |          | 12 | GB30-1670    | SYSTEM/34                | 1 S H       |
| >ACCTS PAYABLE   | 5110 HOME BLDRS MGMT SYS                 | 5796-ZAB     |     | 6900    |          |          |          | 01 | GB30-1521    | 5120 SYSTEM              | 1 S H       |
| >ACCTS PAYABLE   | 5120 CONSTRUCT INFO SYS - A/P            | 5796-ZAD     |     | 2365    |          |          |          | 01 | GB30-1534    | 5120 SYSTEM              | 1 S H       |
| >ACCTS PAYABLE   | 5120 JOB SHOP SYS - A/P                  | 5796-RCC     |     | 126     |          |          |          | 12 | GB30-1523    | 5120 SYSTEM              | 1 S H       |
| >ACCTS REC ENHAN | DMAS II A/R ENHAN - FOOD DISTR           | 5798-NXZ     |     | 138     |          |          |          | 12 | GB30-1340    | SYSTEM/34                | 1 S H       |
| >ACCTS RECEIVABL | APPAREL ACCOUNTS RECEIVABLE              | 5796-NRZ     |     | 195     |          |          |          | 12 | GB30-1178    | SYSTEM/32                | 1 S H       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #         | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|----------------------------------|-------------|
| >ACCTS RECEIVABL | S/23 JOB SHOP CONTROL - A/R              | 5796-ZAK     |     | 1200    |          |          |          | 01         | GB30-1714 SYS/23 DATAMASTER      | 1 I H       |
| >ACCTS RECEIVABL | S/32 ADVERT A/R & CIRCULATION            | 5796-NWG     |     | 603     |          |          |          | 12         | GB30-1297 SYSTEM/32              | 1 S H       |
| >ACCTS RECEIVABL | S/34 ADVERT A/R & CIRCULATION            | 5796-NXN     |     | 603     |          |          |          | 12         | GB30-1297 SYSTEM/34              | 1 S H       |
| >ACCTS RECEIVABL | S/34 APPAREL BUS SYS - A/R               | 5796-RAD     |     | 287     |          |          |          | 12         | GB30-1457 SYSTEM/34              | 1 S H       |
| >ACCTS RECEIVABL | S/34 ONLINE BICARSA                      | 5798-RFR     |     | 450     |          |          |          | 12         | GB30-1667 SYSTEM/34              | 1 S H       |
| >ACCTS RECEIVABL | 5120 JOB SHOP SYS - A/R                  | 5796-RCE     |     | 132     |          |          |          | 12         | GB30-1523 5120 SYSTEM            | 1 S H       |
| ACF              | ACF / NETWORK CONTROL PROGRAM / VS       | 5735-XX1     |     | 155     | 116      | 24       | 38       |            | GC30-9533 DDS/VSE,DOS/VSE,OS/VSE | 2 S K       |
| >ACF             | ACF NETWORK GENERATION AID               | 5798-DFF     |     | 950     |          |          |          | 01         | GB21-2809 OS/VSE,DOS/VSE         | 1 S H       |
| ACF              | ACF VTAM ENTRY                           | 5746-RC7     |     | 131     | 98       | 61       | 98       |            | GC27-0438 DDS/VSE,4331           | 2 S K       |
| ACF              | ACF / ACF TRANSACTIONS                   | 5748-T11/02  |     | 2175    |          |          |          |            | GH20-2140 6041-6042              | 2 S E       |
| ACF              | ROUTING TABLE GENERATOR FOR ACF NETWORKS | 5798-DFL     |     | 65      |          |          |          |            | GB21-2805 OS/VSE                 | 1 S E       |
| ACF              | TELECOMMUNICATIONS CONTROL SYSTEM ACF    | 5740-XY3/01  |     | 220     |          |          |          |            | GH20-2192 OS/VSE                 | 1 S C       |
| ACF/NCP/VSE      | ACF / NETWORK CONTROL PROGRAM / VS       | 5735-XX1     |     | 155     | 116      | 24       | 38       |            | GC30-9533 DDS/VSE,DOS/VSE,OS/VSE | 2 S K       |
| ACF/NCP/VSE      | SWIFT FOR ACF/NCP/VSE REL 2              | 5799-WRF     |     |         |          |          |          |            | SC19-5016 3704/3705              | 0 S S       |
| ACF/NCP/VSE      | SYSTEM SUPPORT PROGRAM FOR ACF/NCP/VSE   | 5735-XX3     |     | 55      | 41       | 16       | 25       |            | GC30-3058 DDS/VSE,OS/VSE         | 2 S K       |
| ACF/TCAM         | ACF/TCAM - VERSION 1                     | 5735-RC1/01  |     | 302     | 226      | 11       | 18       |            | GC30-2050 OS/VSE/MVS             | 2 S K       |
| ACF/TCAM         | ACF/TCAM - MULTISYSTEMS NETWORKING       | 5735-RC1/02  |     | 1120    | 840      | 28       | 45       |            | GC30-9500 6000                   | 2 S K       |
| ACF/TCAM         | ACF/TCAM - VERSION 2                     | 5735-RC3/01  |     | 615     | 461      | 71       | 114      |            | GC30-3057 OS/VSE,MVS/XA          | 2 S K       |
| ACF/TCAM         | ACF/TCAM - MULTISYSTEM NETWORKING        | 5735-RC3/02  |     | 1035    | 776      | 88       | 141      |            | GC30-3057 6003                   | 2 S K       |
| >ACF/VTAM        | ACF/VTAM - VERSION 2                     | 5662-280/01  | P   | 520     | 390      | 80       | 128      |            | GC27-0608 OS/VSE/1               | 2 S K       |
| >ACF/VTAM        | ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE    | 5662-280/02  |     | 190     | 142      | 5        | 8        |            | GC27-0608 6000                   | 1 S K       |
| >ACF/VTAM        | ACF/VTAM - VERSION 2                     | 5665-280/01  | P   | 915     | 686      | 175      | 280      |            | GC27-0608 MVS,MVS/XA             | 2 S K       |
| >ACF/VTAM        | ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE    | 5665-280/02  |     | 190     | 142      | 5        | 8        |            | GC27-0608 6000                   | 1 S K       |
| >ACF/VTAM        | ACF/VTAM - VERSION 2                     | 5666-280     | P   | 220     | 165      | 50       | 80       |            | GC27-0608 DDS/VSE,VSE/AF         | 2 S K       |
| ACF/VTAM         | ACF/VTAM                                 | 5735-RC2/01  |     | 322     | 241      | 42       | 67       |            | GC27-0462 OS/VSE1,MVS            | 2 S K       |
| ACF/VTAM         | ACF/VTAM - MULTISYSTEMS NETWORKING       | 5735-RC2/02  |     | 773     | 579      | 127      | 203      |            | GC38-0284 6009                   | 2 S K       |
| ACF/VTAM         | ACF/VTAM - ENCRYPT / DECRYPT FEATURE     | 5735-RC2/03  |     | 190     | 142      | 5        | 8        |            | GC38-0285 6010                   | 1 S K       |
| ACF/VTAM         | ACF/VTAM - DDS/VSE                       | 5746-RC3/01  |     | 134     | 100      | 42       | 67       |            | GC27-0462 DDS/VSE/AF             | 2 S K       |
| ACF/VTAM         | ACF/VTAM MULTISYSTEM NETWORKING FEATURE  | 5746-RC3/02  |     | 254     | 190      | 127      | 203      |            | GC27-0462 6059                   | 2 S K       |
| ACF/VTAM         | ACF/VTAM & NOSP DEFINITION AID           | 5796-PKY     |     | 600     |          |          |          | 01         | G320-6060 OS/VSE                 | 0 S H       |
| >ACF/VTAM        | ACF/VTAM BUFFER SELECTION AID            | 5798-DHF     |     | 675     |          |          |          | 01         | GB21-2900                        | 1 S H       |
| ACF/VTAM         | VTAM SCP ACF/VTAM                        | 5747-CF1     |     |         |          |          |          |            | GC27-0459 DDS/VSE                | 0 S N       |
| ACF/VTAM         | VTAM SCP ACF/VTAM                        | 5747-CF1     |     |         |          |          |          |            | GC27-0459 DDS/VSE                | 0 S N       |
| ACF/VTAME        | ACF VTAM ENTRY                           | 5746-RC7     |     | 131     | 98       | 61       | 98       |            | GC27-0438 DDS/VSE,4331           | 2 S K       |
| ACF/VTAME        | VTAM SCP FOR ACF/VTAME                   | 5747-CG2     |     |         |          |          |          |            | GC27-0440 DDS/VSE                | 0 S N       |
| ACP              | ACP / ACF TRANSACTIONS                   | 5748-T11/02  |     | 2175    |          |          |          |            | GH20-2140 6041-6042              | 2 S E       |
| ACP              | ACP TRANSACTION PROCESSING               | 5799-WQP     |     |         |          |          |          |            | GH20-2140 5748-T11               | 0 S E       |
| ACP              | AIRLINE CONTROL PROGRAM (ACP)            | 5799-WKG     |     |         |          |          |          |            | GE20-0423 VS1-VS2 (OFF-LINE)     | 0 S B       |
| ACP/ACF          | ACP / ACF TRANSACTIONS                   | 5748-T11/02  |     | 2175    |          |          |          |            | GH20-2140 6041-6042              | 2 S E       |
| ACP/TPF          | AIRLINE CONTROL PROGRAM TRANSACTIONS     | 5748-T11/01  |     | 2510    |          |          |          |            | GH20-2140                        | 2 S E       |

KEYWORDS - ALPHABETIC SEQUENCE

1-004

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| ACP/VM           | AIRLINE CONTROL PROGRAM TESTING IN VM    | 5798-DEP     |     | 400     |          |          |          | 12 GB21-2743    | VM/SP,VM/BSEP,VM/SE      | 1 S H       |
| ACQUISITION      | LABORATORY DATA ACQUISITION SYSTEM       | 5796-AWH     |     | 925     |          |          |          | 24 G320-6095    | DOS/VSE                  | 1 S H       |
| ACS              | ADVANCED CONTROL SYSTEM - HOST ACS       | 5799-BEJ     |     | 17415   |          |          |          | 12 5799-AHE     |                          | 2 S E       |
| ACS              | ADVANCED CONTROL SYSTEM - SERIES/1 ACS   | 5799-BEW     |     | 1415    |          |          |          | 12 5799-AHE     |                          | 2 S E       |
| ACTION           | ACTION CENTER SUPPORT SYSTEM DOS/V5      | 5796-ALY     |     | 175     |          |          |          | 24 G320-5717    | DOS/V5,DOS/CICS/V5       | 1 I H       |
| ACTION           | ACTION CENTER SUPPORT SYSTEM OS/V5       | 5796-ALZ     |     | 175     |          |          |          | 24 G320-5717    | OS/V5,OS/CICS/V5         | 1 I H       |
| ACTIVITY         | MVS/SMF PROBLEM PROGRAM ACTIVITY REPORT  | 5798-CPP     |     | 80      |          |          |          | 12 GB21-2089    | MVS                      | 1 I H       |
| >ACTIVITY        | RPS TRANSIENT ACTIVITY TOOL V 1          | 5799-TDG     | R   | 6       |          |          |          | GC34-0286       | SERIES/1                 | 1 S C       |
| >ADDRESS         | CPS ADDRESS TRANSLATOR SUPPORT           | 5799-TBT     | R   | 7       |          |          |          | 24 GC34-1601    | SERIES/1                 | 1 S C       |
| ADF              | APPLICATION DEVELOPMENT FACILITY COURSE  | 5798-DDW     |     | 125     |          |          |          | 12 GB21-2712    | IIS,IIPS                 | 1 L H       |
| ADF II           | IMS APPLICATION DEVELOPMENT FACILITY II  | 5796-PHX     |     | 632     |          |          |          | 6320-5744       | IMS/V5 V1R2              | 1 S E       |
| ADJUSTMENTS      | ONLINE ADJUSTMENTS - II                  | 5798-CLD/01  |     | 765     |          |          |          | 12 GB21-1948    | OS/V5 CPC5               | 1 S H       |
| ADJUSTMENTS      | ONLINE ADJUSTMENTS - II ENHANCEMENTS     | 5798-CLD/02  |     | 195     |          |          |          | GB21-1948       | 9562-9563                | 1 S E       |
| >ADMIN           | ADMIN PROCESSING PROGRAM VERSION 2       | 5611-SS2     |     | 339     |          |          |          | GC23-0728       | 5520 ADMIN. SYSTEM       | 1 S A       |
| >ADMIN CONTROL   | ADMINISTRATIVE CONTROL SYSTEM            | 5798-NWT     |     | 287     |          |          |          | 12 GB30-1318    | SYSTEM/34                | 1 S H       |
| >ADMIN CONTROL   | 5110/5120 ADMIN CONTROL SYSTEM           | 5798-NVF     |     | 115     |          |          |          | 12 GB30-1376    | 5120 SYSTEM              | 1 S H       |
| >ADMINISTRAT     | ADMINISTRAT PROCESSING PROG LIC M/R CODE | 5611-SS1     |     | 389     |          |          |          | GC23-0734       | 5520 ADMIN. SYSTEM       | 1 S A       |
| >ADMINISTRATION  | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5725-E31     |     | 107     |          |          |          | GH30-0304       | SYSTEM/32                | 1 I C       |
| >ADMINISTRATION  | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5726-E31     |     | 123     |          |          |          | GH30-0410       | SYSTEM/34                | 1 I D       |
| >ADMINISTRATION  | 3680 STORE SYSTEMS ADMINISTRATION        | 5735-D62     |     | 10      |          |          |          | 48 GH20-2461    | DOS/VSE,DOS/V5,OS/V5     | 1 S A       |
| >ADMINISTRATION  | 8100 AUTOMATED ADMINISTRATION ACTIVITIES | 5798-DHB     |     | 940     |          |          |          | 01 GB21-2889    | DPXC                     | 1 S H       |
| >ADMINISTRATIVE  | ONLINE ADMINISTRATIVE CONTROL            | 5796-NJJ     |     | 258     |          |          |          | 12 GB30-0914    | SYSTEM/3                 | 1 S H       |
| ADMINISTRATIVE   | 3600 4700 ADMINISTRATIVE APPLICATIONS    | 5748-F55     |     | 32      |          |          |          | GH20-2414       | IMS/V5 CICS/V5           | 1 S B       |
| ADMISSION        | HOSPITAL CARE: ADMISSION SYSTEM          | 5798-CCC     |     | 469     |          |          |          | 12 GB21-1474    | DOS/V5 DL/I CICS/V5      | 1 I H       |
| >ADMISSION SYS   | DEACONESS HOSP--ONLINE ADMISSION         | 5796-NJB     |     | 322     |          |          |          | 12 GB30-0889    | SYSTEM/3                 | 1 I H       |
| ADMISSIONS       | HEALTH CARE: ADMISSIONS SYSTEM           | 5798-AS2     |     | 225     |          |          |          | 12 GB21-0935    | DOS CICS                 | 1 I H       |
| ADMISSIONS       | HEALTH CARE: DL/I ADMISSIONS SYSTEM      | 5798-CGF     |     | 315     |          |          |          | 12 GB21-1732    | OS/V5                    | 1 I H       |
| >ADRS            | ADRS II BUSINESS GRAPHICS FEATURE        | 5796-PLN/03  |     | 85      |          |          |          | G320-6668       | VSAPL                    | 1 I E       |
| >ADRS            | QBE TO ADRS II BRIDGE FEATURE            | 5796-PLN/02  |     | 52      |          |          |          | G320-6097       | 6027-6028                | 1 I E       |
| >ADRS-II         | A DEPARTMENTAL REPORTING SYSTEM II       | 5796-PLN/01  |     | 152     |          |          |          | G320-6097       | VSAPL                    | 1 I E       |
| ADRS-II          | INTRODUCTION TO ADRS-II                  | 5798-DFC     |     | 105     |          |          |          | 12 GB21-2780    | IIS,IIPS                 | 1 L H       |
| ADULTS           | CAREER GUIDANCE SYSTEM: ADULTS / COLLEGE | 5796-AFC     |     | 250     |          |          |          | 24 G320-6176    | 5796-AYA                 | 1 S H       |
| >ADV             | 5224/5225 ADV PRINTER FUNCTION           | 5799-BFN     |     | 525     |          |          |          | 01 GC21-7922    | SYSTEM/34                | 1 S E       |
| >ADVANCE EIC     | ADVANCE EARNED INCOME CREDIT I/F         | 5798-NVQ     |     | 575     |          |          |          | 01 GB30-1395    | SYSTEM/34                | 1 S H       |
| >ADVENTURE       | MICROSOFT ADVENTURE                      | 6024-006     |     | 30      |          |          |          | 01 GX20-2397    | IBM PERSONAL COMPUTR     | 0 S H       |
| >ADVERTISING A/R | S/32 ADVERT A/R & CIRCULATION            | 5796-NWG     |     | 603     |          |          |          | 12 GB30-1297    | SYSTEM/32                | 1 S H       |
| >ADVERTISING A/R | S/34 ADVERT A/R & CIRCULATION            | 5796-NXN     |     | 603     |          |          |          | 12 GB30-1297    | SYSTEM/34                | 1 S H       |
| >ADVISORY        | INVESTMENT ADVISORY                      | 5798-BBW     |     | 362     |          |          |          | 12 GB21-1234    | SYSTEM/3                 | 1 I H       |
| >AE-SATT INTERFA | S/1 TEL TOLL DATA COL AE-SATT            | 5798-RFX     |     | 105     |          |          |          | 12 GB30-1653    | SERIES/1                 | 1 S H       |
| AEF              | APPLICATION ENABLING FACILITY            | 5798-DBF     |     | 100     |          |          |          | GB21-2551       | VM/CMS                   | 1 S C       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >AGED TRIAL BALA | S/23 JOB SHOP CONTROL - A/R              | 5796-ZAK     |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >AGED TRIAL BALA | 5120 JOB SHOP SYS - A/R                  | 5796-RCE     |     | 132     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >AGENTS & BROKER | INDEPENDENT AGENTS/BROKERS ACCTG         | 5796-NRJ     |     | 333     |          |          |          | 24 GB30-1209 | SYSTEM/32                | 1 S H       |
| AGING            | OS/VS1 PRIORITY QUEUE AGING PROCESSOR    | 5796-ARG     |     | 85      |          |          |          | 12 G320-6050 | OS/VS1                   | 1 S H       |
| >AGRI-BUSINESS   | S/23 FARM MGMT ACCTG SYSTEM              | 5796-ZAY     |     | 3000    |          |          |          | 01 GB30-1777 | SYS/23 DATAMASTER        | 1 I H       |
| >AGRICULTURE     | S/23 CROP COSTING SYSTEM                 | 5798-RGY     |     | 2000    |          |          |          | 01 GB30-1766 | SYS/23 DATAMASTER        | 1 I H       |
| >AGRICULTURE     | S/23 FARM MGMT ACCTG SYSTEM              | 5796-ZAY     |     | 3000    |          |          |          | 01 GB30-1777 | SYS/23 DATAMASTER        | 1 I H       |
| >AIDED           | COMPUTER AIDED ENGINEERING DESIGN SYSTEM | 5796-BBZ     | T   | 865     |          |          |          | G320-6439    | MVS/TSO,VM/CMS           | 1 S E       |
| AIDS             | STORE SYSTEM INSTALLATION AIDS           | 5770-SAI     |     |         |          |          |          |              | DOS/VS,DOS/VS            | 0 S B       |
| AIDS             | STORE SYSTEM INSTALLATION AIDS           | 5770-SA2     |     |         |          |          |          |              | OS/VS                    | 0 S B       |
| AIDS             | VIDEO SUPPORT AIDS                       | 5796-AKK     |     | 115     |          |          |          | 12 G320-5668 | DOS/VS CICS/VS           | 1 S H       |
| >AIDS            | VISUAL AIDS PREPARATION SYSTEM           | 5798-DJZ     |     | 1300    |          |          |          | 01 GB21-2968 | GDDM/PGF                 | 1 S H       |
| >AIR QUALITY     | S/1 AIR QUALITY MONITORING SYS           | 5798-RDQ     |     | 560     |          |          |          | 12 GB30-1591 | SYS/23 DATAMASTER        | 1 S H       |
| AIRLINE          | AIRLINE CONTROL PROGRAM TRANSACTIONS     | 5748-T11/01  |     | 2510    |          |          |          | GH20-2140    |                          | 2 S E       |
| AIRLINE          | AIRLINE CONTROL PROGRAM TESTING IN VM    | 5798-DEP     |     | 400     |          |          |          | 12 GB21-2743 | VM/SP,VM/BSEF,VM/SE      | 1 S H       |
| AIRLINE          | AIRLINE CONTROL PROGRAM (ACP)            | 5799-WKG     |     |         |          |          |          | GE20-0423    | VS1-VS2 (OFF-LINE)       | 0 S B       |
| >AIRLINES        | S/1 EDX CF AIRLINE SUPPORT               | 5798-ZZE     | P   | 50      |          |          |          | 24 GB30-1550 | SERIES/1                 | 1 S H       |
| ALGORITHM        | IMS/VS HDAM RANDOMIZING ALGORITHM        | 5796-AJL     |     | 945     |          |          |          | 01 G320-8157 | OS/VS,IMS/VS,IMS/360     | 1 S H       |
| >ALLITEMS FILE   | 3694 ALLITMES FILE TRANS FACIL           | 5798-RFJ     |     | 100     |          |          |          | 12 GB30-1645 | SYSTEM/34                | 1 S H       |
| >ALLITEMS FILE   | 3694 ALLITMES FILE TRANS FACIL           | 5798-RFJ     |     | 100     |          |          |          | 12 GB30-1645 | SYSTEM/34                | 1 S H       |
| ALLOCATION       | CONSUMER GOODS SYSTEM - ALLOCATION       | 5734-D32     |     | 165     |          |          |          | GH20-4410    | OS/MFT/MVT/VS1/VS2       | 1 I C       |
| ALLOCATION       | CONSUMER GOODS SYSTEM - ALLOCATION DOS   | 5736-D31     |     | 165     |          |          |          | GH20-0721    | DOS,DOS/VS               | 1 I C       |
| >ALLOCATION      | INFOREM II ALLOCATION                    | 5798-DDT     |     | 560     |          |          |          | 24 GB21-2695 | OS/VS,DOS/VSE            | 1 S H       |
| ALLOCATION       | INVENTORY FORECASTING ALLOCATION MODULES | 5798-CXG     |     | 410     |          |          |          | 12 GB21-2323 | INFOREM 5798-CFH         | 1 S H       |
| ALLOCATION       | RESOURCE ALLOCATION PROCESSOR FEATURE    | 5734-XP4/03  |     | 285     |          |          |          | GH20-0855    | 6019-6021                | 0 I B       |
| ALLOCATION       | RESOURCE ALLOCATION PROCESSOR FEATURE    | 5740-XP1/02  |     | 144     |          |          |          | GH19-1055    | 6003-6005                | 1 I B       |
| ALLOCATION       | RESOURCE ALLOCATION PROCESSOR FEATURE    | 5746-XP1/02  |     | 144     |          |          |          | GH19-1055    | 6004-6008,6044           | 1 I B       |
| >ALPH            | DISPLAY INFORMATION FACILITY ALPH SEARCH | 5714-XR1     |     | 77      | 58       |          |          | GH30-0145    | SYSTEM/38                | 1 I D       |
| ALPHA            | ALPHA SEARCH INQUIRY SYSTEM              | 5736-N14     |     | 231     |          |          |          | GH20-1188    | CICS/OS/DOS/VS,CMS       | 1 S C       |
| ALPHA            | ALPHA SEARCH INQUIRY - IMS INTERFACE     | 5798-AMB     |     | 670     |          |          |          | 12 GB21-0987 | OS                       | 1 I H       |
| ALPHA            | ALPHA SEARCH INQUIRY SYS ONLINE UPDATE   | 5798-CFJ     |     | 400     |          |          |          | 12 GB21-1677 | CICS/DOS/OS/VS,CMS       | 1 S H       |
| >ALPHA SEARCH    | STATESMAN--ALPHA SEARCH                  | 5796-NBZ     |     | 86      |          |          |          | 24 GB30-0638 | SYSTEM/3                 | 1 S H       |
| ALTER            | UNIVERSAL DUMP, ALTER, COPY, & SELECT    | 5796-BAF     |     | 50      |          |          |          | 12 G320-6405 | OS/VS                    | 1 S H       |
| >AMPERSAND CORP  | SERIES/1 ESS/I WITH HOOKS                | 5796-RBB     | P   | 345     |          |          |          | 12 GB30-1474 | SERIES/1                 | 1 S H       |
| AMS              | AMS CRYPTOGRAPHIC OPTION                 | 5740-AM8     |     | 72      | 54       | 5        | 8        | GC28-1015    | OS/VS1,MVS               | 1 S K       |
| >ANAL/PROB       | BUSINESS ANAL/PROB SOLVER LIBRARY        | 5721-XM3     |     | 603     |          |          |          | 01 G580-0042 | 5100 SYSTEM              | 3 L C       |
| >ANALYSIS        | AUTOMATED INSTRUMENT CONTROL             | 5798-NYJ     | P   | 15      |          |          |          | 12 GB30-1381 | SERIES/1                 | 1 S H       |
| >ANALYSIS        | S/1 X-RAY SEARCH/MATCH                   | 5798-RCG     |     | 460     |          |          |          | 12 GB30-1381 | SERIES/1                 | 1 S H       |
| >ANALYSIS/BASIC  | BUSINESS ANALYSIS/BASIC MOD 6            | 5703-XM3     |     | 70      |          |          |          | GH20-1175    | SYSTEM/3                 | 1 S C       |
| ANALYZER         | APL WORKSPACE STRUCTURE ANALYZER         | 5796-PNB     |     | 170     |          |          |          | 12 G320-6170 | VSAPL                    | 1 S H       |

KEYWORDS - ALPHABETIC SEQUENCE

1-006

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| KEYWORD      | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|--------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| ANALYZER     | CICS PERFORMANCE ANALYZER II             | 5798-CFP     |     | 68      |          |          |          | GB21-1862       | DOS/VS,OS/VS             | 1 S E       |
| ANALYZER     | DC ANALYZER                              | 5796-PCA     |     | 248     |          |          | 12       | G320-1532       | OS,OS/VS,IMS/VS          | 1 S H       |
| ANALYZER     | NETWORK PERFORMANCE ANALYZER HOST        | 5798-CZR     |     | 126     |          |          |          | GB21-2478       | 5798-CZT OS/VS           | 1 S E       |
| ANALYZER     | NETWORK PERFORMANCE ANALYZER CONTROLLER  | 5798-CZT     |     | 35      |          |          |          | GB21-2478       | 5798-CZR OS/VS           | 1 S E       |
| ANALYZER     | POWER/VS COST & PERFORMANCE ANALYZER     | 5798-CDG     |     | 140     |          |          | 12       | GB21-1513       | DOS/VS                   | 1 S H       |
| ANALYZER     | PRINT LOAD ANALYZER                      | 5798-CXY     |     | 90      |          |          | 12       | GB21-2355       | OS/VS                    | 1 I H       |
| ANALYSIS     | PROJECT ANALYSIS AND CONTROL SYSTEM      | 5740-XP1/01  |     | 292     |          |          |          | GH19-1055       | OS/VS                    | 1 I B       |
| ANALYSIS     | PROJECT ANALYSIS & CONTROL SYSTEM        | 5746-XP1/01  |     | 292     |          |          |          | GH19-1055       | DOS/VS                   | 1 I B       |
| >ANALYSIS    | X-RAY FLUORESCENCE ANALYSIS              | 5798-NVK     |     | 150     |          |          | 12       | GB30-1381       | SERIES/1                 | 1 S H       |
| >ANALYSIS    | X-RAY POLYCRYSTALLINE DIFFRACT           | 5798-NYL     |     | 120     |          |          | 12       | GB30-1381       | SERIES/1                 | 1 S H       |
| ANMP         | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DAQ     |     | 230     |          |          |          | GB21-2521       | CICS/OS/VS               | 1 I E       |
| ANMP         | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DAT     |     | 189     |          |          |          | GB21-2521       | CICS/DOS/VS              | 1 I E       |
| ANMP         | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DBP     |     | 379     |          |          |          | GB21-2568       | OS/VS IMS/VS             | 1 I E       |
| >ANS         | ANS COBOL - 15ABC                        | 5704-CB1     |     | 121     |          |          |          | GC28-6452       | SYSTEM/3                 | 1 S C       |
| >ANS         | ANS COBOL - 15D                          | 5704-CB2     |     | 192     |          |          |          | GC21-7571       | SYSTEM/3                 | 1 S A       |
| >ANS         | ANS COBOL MOD 12                         | 5705-CB1     |     | 102     |          |          |          | GC28-6462       | SYSTEM/3                 | 1 S C       |
| >ANS         | BASIC ANS X3.60-1978                     | 5726-BA1     |     | 63      | 47       |          |          | GC21-7841       | SYSTEM/34                | 1 S A       |
| ANS          | BURROUGHS 2500 TO ANS COBOL CONVERSION   | 5798-APH     |     | 2215    |          |          | 01       | GB21-0836       | DOS/OS                   | 0 I H       |
| ANS          | GE 415 COBOL TO ANS COBOL CONVERSION AID | 5798-ASY     |     | 275     |          |          | 12       | GB21-0914       | DOS                      | 0 S H       |
| ANS          | HONEYWELL 200 COBOL TO IBM ANS COBOL     | 5798-AGC     |     | 330     |          |          | 12       | GB21-0387       | DOS                      | 0 I H       |
| ANS          | HCR CENTURY TO ANS COBOL CONVERSION AID  | 5798-APG     |     | 2105    |          |          | 01       | GB21-0839       | DOS/OS                   | 0 I H       |
| ANS          | RCA COBOL TO IBM ANS COBOL               | 5798-AHT     |     | 517     |          |          | 12       | GB21-0493       | DOS/OS                   | 0 I H       |
| >ANS         | SUBSET ANS COBOL MOD 8/10 DISK           | 5702-CB1     |     | 108     |          |          |          | GC28-6452       | SYSTEM/3                 | 1 S C       |
| >ANS/68      | SYSTEM/32 ANS/68 COBOL                   | 5799-AWQ     |     | 120     |          |          |          | GB0F-4764       | SYSTEM/32                | 1 S A       |
| >ANS/68      | SYSTEM/34 ANS/68 COBOL                   | 5799-AHR     |     | 105     | 69       |          |          | GC21-7784       | SYSTEM/34                | 1 S A       |
| ANSWER       | DPPX SDLC AUTO ANSWER                    | 5799-BDE     |     | 23      | 17       |          |          |                 | 8100/DPPX                | 1 S B       |
| >ANS68/ANS74 | S/38 COBOL CONVERSION AID                | 5798-RGT     |     | 1300    |          |          | 01       | GB30-1764       | SYSTEM/38                | 0 S H       |
| >ANS74       | COBOL ANS74 X3.23-1974                   | 5726-CB1     |     | 131     | 98       |          |          | GC21-7737       | SYSTEM/34                | 1 S A       |
| AOF          | AUTOMATED OPERATOR FACILITY              | 5740-XYD     |     | 639     |          |          |          | GH20-2022       | IMS/VS V1R2              | 1 S B       |
| AP           | BANK TELLER AP - COMMERCIAL EXTENSIONS   | 5796-AZX     |     | 120     |          |          | 12       | G320-6396       |                          | 1 S H       |
| AP           | OPERATOR TRAINING FOR 3033 AP / MP       | 5798-DFA     |     | 105     |          |          | 12       | GB21-2769       | IIS,IIP5                 | 1 L H       |
| APL          | A PROGRAMMING LANGUAGE - APL             | 5748-AP1     |     | 305     | 228      | 33       | 52       | GH20-9064       | CICS,VSPP,CMS,TSO        | 1 S K       |
| APL          | APL CONTINUOUS SYSTEM MODELING           | 5785-KAE     |     | 95      |          |          | 24       | G320-6081       | VSAPL                    | 1 S H       |
| APL          | APL COORDINATE GEOMETRY SYSTEM           | 5798-AGF     |     | 176     |          |          | 12       | GB21-0399       | APLSV,APL/CMS            | 1 I H       |
| API          | APL DATA INTERFACE UNDER VSPP            | 5796-PKB     |     | 240     |          |          | 24       | G320-5758       | VSPP WITH VSAPL          | 1 S H       |
| APL          | APL DATA INTERFACE - VERSION II          | 5796-PNG     |     | 264     |          |          |          | G320-6348       | VM/CMS WITH VSAPL        | 1 S E       |
| >APL         | APL DATA INTERFACE II FOR TSO            | 5796-PNJ     |     | 250     |          |          |          | G320-6415       | TSO                      | 1 S E       |
| APL          | APL DATA LANGUAGE                        | 5798-CHR     |     | 450     |          |          | 12       | GB21-1804       | OS/VS1-2,VM/CMS          | 1 S H       |
| APL          | APL DECISION TABLE PROCESSOR & CODE GEN. | 5796-PJB     |     | 500     |          |          | 12       | G320-5738       | APLSV,VSAPL              | 1 S H       |
| APL          | APL ECONOMETRIC PLANNING LANGUAGE        | 5796-PDM     |     | 224     |          |          | 12       | G320-5535       | APLSV                    | 1 I H       |

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #      | T | I | S |
|------------------|---|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|---|---|---|
|                  |   |              |     |         |          |          |          |            |                               | P | L | V |
| >APL             | APL FILE MANAGEMENT                     | 5798-DJK     |     | 1105    |          |          |          | 01         | GB21-2951 VM/CMS              | 1 | S | H |
| APL              | APL FORECASTING & TIME SERIES ANALYSIS  | 5796-PFX     |     | 382     |          |          |          | 12         | G320-5664 APLSV,APL/CMS,VSAPL | 1 | I | H |
| APL              | APL FUNCTION EDITOR FOR VS APL          | 5796-PGV     |     | 98      |          |          |          | 12         | G320-5689 VSAPL               | 1 | S | H |
| APL              | APL FUNCTION EDITOR FOR VS APL          | 5796-PGV     |     | 98      |          |          |          | 12         | G320-5689 VSAPL               | 1 | S | H |
| APL              | APL HANDBOOK OF TECHNIQUES WORKSPACE    | 5796-PLP     |     | 175     |          |          |          | 01         | G320-6153 VS APL(5748AP1)     | 0 | L | H |
| APL              | APL INTERACTIVE TRAINING COURSE         | 5796-PJW     |     | 40      |          |          |          | 24         | G320-5812 5748-AP1            | 1 | S | H |
| APL              | APL MULTIVARIATE TIME SERIES ANALYSIS   | 5796-PLX     |     | 400     |          |          |          | 12         | G320-6169 VSAPL               | 1 | I | H |
| >APL             | APL PERFORMANCE ANALYSIS TOOLS          | 5796-PPJ     |     | 90      |          |          |          | 12         | G320-6643 TSD,CMS,VSPC,CICS   | 1 | S | H |
| APL              | APL STATISTICAL LIBRARY                 | 5796-PHW     |     | 240     |          |          |          | 12         | G320-5688 VSAPL               | 1 | I | H |
| APL              | APL SYSTEM EXTENSIONS                   | 5796-AZT     |     | 240     |          |          |          | 12         | G320-6394 VM/CMS WITH VSAPL   | 1 | S | H |
| APL              | APL WORKSPACE STRUCTURE ANALYZER        | 5796-PNB     |     | 170     |          |          |          | 12         | G320-6170 VSAPL               | 1 | S | H |
| APL              | GRAPHS AND HISTOGRAMS IN APL            | 5798-AGL     |     | 83      |          |          |          | 12         | GB21-0414 APLSV,APL/CMS       | 1 | I | H |
| APL              | IMS APL DATA LINK FOR TSO               | 5796-PKW     |     | 442     |          |          |          |            | G320-6065 TSO WITH VSAPL      | 1 | S | E |
| APL              | IMS APL DATA LINK FOR VSPC              | 5796-PLA     |     | 356     |          |          |          |            | G320-6054 VSPC WITH VSAPL     | 1 | S | E |
| APL              | IMS APL DATA LINK FOR VM/CMS            | 5796-PLE     |     | 442     |          |          |          |            | G320-6098 VM/CMS WITH VSAPL   | 1 | S | E |
| >APL             | INTERFACING APL BASED PRODUCTS COURSE   | 5798-DHN     |     | 1190    |          |          |          | 01         | GB21-2914 IIS,IIPS            | 1 | L | H |
| >APL             | MATH - APL                              | 5721-XM2     |     | 603     |          |          |          | 01         | G580-0040 5100 SYSTEM         | 3 | L | C |
| >APL             | PRINT PLOT - APL                        | 5721-DC2     |     | 575     |          |          |          | 01         | SA21-9264 5100 SYSTEM         | 3 | L | C |
| >APL             | PRINT PLOT - APL PROBLEM SOLVER LIBRARY | 5721-DC4     |     | 575     |          |          |          | 01         | GC21-5190 5120 SYSTEM         | 3 | L | C |
| >APL             | STAT - APL                              | 5721-XA2     |     | 603     |          |          |          | 01         | GH30-0062 5100 SYSTEM         | 3 | L | C |
| APL              | VS APL FOR TSO                          | 5796-ALB     |     | 103     |          |          |          | 24         | G320-5708 OS/VS2 SVS,OS/M     | 1 | S | H |
| APL              | VS APL VARIABLE CONVERSION PROCESSOR    | 5798-DEH     |     | 140     |          |          |          | 12         | GB21-2739 VSAPL               | 1 | S | H |
| APL              | VSPC APL DL/I INTERFACE                 | 5785-FAL     |     | 340     |          |          |          | 12         | GB21-2776 VSAPL WITH VSPC     | 1 | S | H |
| APL              | ZEROS AND INTEGRALS IN APL              | 5798-AGJ     |     | 60      |          |          |          | 12         | GB21-0408 APLSV,APL/CMS       | 1 | I | H |
| APL              | 3277 APL GRAPHICS ATTACHMENT SUPPORT    | 5799-AXW     |     | 84      |          |          |          |            | GH20-2146 VSAPL:CMS,TSO,VSPC  | 1 | S | E |
| APL/CMS          | FINANCIAL PLANNING SYSTEM - APL/CMS     | 5798-CFX     |     | 395     |          |          |          | 12         | GB21-1705 VM/CMS WITH APL/CMS | 1 | I | H |
| APL/DI           | APL DATA INTERFACE UNDER VSPC           | 5796-PKB     |     | 240     |          |          |          | 24         | G320-5758 VSPC WITH VSAPL     | 1 | S | H |
| APL/DI           | APL/DI FILE CREATE USING PL/I           | 5796-PKP     |     | 85      |          |          |          | 12         | G320-6066 5796-PJ2,-PKA,-PKB  | 1 | S | H |
| APL/DI II        | APL DATA INTERFACE - VERSION II         | 5796-PNG     |     | 264     |          |          |          |            | G320-6348 VM/CMS WITH VSAPL   | 1 | S | E |
| >APL/DI II       | APL DATA INTERFACE II FOR TSO           | 5796-PNJ     |     | 250     |          |          |          |            | G320-6415 TSO                 | 1 | S | E |
| APLSV            | FINANCIAL PLANNING SYSTEM - APLSV       | 5798-BDE     |     | 345     |          |          |          | 12         | GB21-1339 APLSV,APL/CMS       | 1 | I | H |
| >APPAREL         | APPAREL BUSINESS CONTROL                | 5701-D12     |     | 94      |          |          |          |            | GH20-0822 SYSTEM/3            | 1 | I | C |
| APPAREL          | APPAREL BUSINESS SYSTEM                 | 5796-AJG     |     | 1300    |          |          |          | 24         | G320-8152 DOS/VS,CICS/VS      | 1 | S | H |
| >APPAREL         | S/34 APPAREL BUS SYS - OE & C           | 5796-RAC     |     | 862     |          |          |          | 12         | GB30-1457 SYSTEM/34           | 1 | S | H |
| >APPAREL A/R     | APPAREL ACCOUNTS RECEIVABLE             | 5796-NRZ     |     | 195     |          |          |          | 12         | GB30-1178 SYSTEM/32           | 1 | S | H |
| >APPAREL A/R     | S/34 APPAREL BUS SYS - A/R              | 5796-RAD     |     | 287     |          |          |          | 12         | GB30-1457 SYSTEM/34           | 1 | S | H |
| >APPAREL BUS SYS | APPAREL ORDER ENTRY & CONTROL           | 5796-NQP     |     | 575     |          |          |          | 12         | GB30-1178 SYSTEM/32           | 1 | S | H |
| >APPAREL BUS SYS | APPAREL ACCOUNTS RECEIVABLE             | 5796-NRZ     |     | 195     |          |          |          | 12         | GB30-1178 SYSTEM/32           | 1 | S | H |
| >APPAREL BUS SYS | APPAREL ORDER ALLOCATION                | 5796-NTA     |     | 195     |          |          |          | 12         | GB30-1178 SYSTEM/32           | 1 | S | H |
| >APPAREL ORD     | ALL APPAREL ORDER ALLOCATION            | 5796-NTA     |     | 195     |          |          |          | 12         | GB30-1178 SYSTEM/32           | 1 | S | H |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >APPAREL ORD ALL | S/34 APPAREL BUS SYS - OA                | 5796-RAE     |     | 258     |          |          |          | 12 GB30-1457 | SYSTEM/34                | 1 S H       |
| >APPAREL ORD ENT | APPAREL ORDER ENTRY & CONTROL            | 5796-NQP     |     | 575     |          |          |          | 12 GB30-1178 | SYSTEM/32                | 1 S H       |
| >APPAREL P/R     | S/34 APPAREL BUS SYS - G-T-N P/R         | 5796-RAK     |     | 299     |          |          |          | 12 GB30-1457 | SYSTEM/34                | 1 S H       |
| >APPAREL PAYROLL | S/34 APPAREL BUS SYS - P/R               | 5796-RAJ     |     | 299     |          |          |          | 12 GB30-1457 | SYSTEM/34                | 1 S H       |
| >APPL            | BASIC INTERACTIVE GRAPHIC APPL MONITOR   | 5785-DCJ     |     | 485     |          |          |          | 12 G320-6659 | BGSS 5785-DCK            | 1 S H       |
| >APPL            | PUBLIC BUDGETING & ACCOUNTING APPL GOVT  | 5726-G21     |     | 323     | 242      |          |          | GH30-0229    | SYSTEM/34                | 1 I D       |
| >APPL DEVELOPMEN | BUSINESS REPORT/APPL DEV SYS II          | 5798-NXT     |     | 98      |          |          |          | 12 GB30-1361 | 5120 SYSTEM              | 1 S H       |
| APPLES           | AUTOMATED PROJECT PLANNING & EVALUATION  | 5796-AZR     |     | 80      |          |          |          | 12 G320-6399 | MVS,DOS/VS,VM/CMS        | 1 S H       |
| APPLIC-WIDE      | COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   | 5798-CXW     |     | 110     |          |          |          | 12 GB21-2344 | OS/VS,COBOL, SORT        | 1 I H       |
| APPLIC-WIDE      | COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   | 5798-CY6     |     | 110     |          |          |          | 12 GB21-2344 | DOS/VS,COBOL, SORT       | 1 I H       |
| APPLICANT        | APPLICANT TRACKING SYSTEM                | 5796-PLT     |     | 1100    |          |          |          | 12 G320-6333 | VM/CMS                   | 1 S H       |
| >APPLICATION     | APPLICATION FLOWCHARTER                  | 5798-NDT     |     | 385     |          |          |          | 01 GB30-0743 | SYSTEM/3                 | 0 S H       |
| >APPLICATION DEV | BUSINESS REPORT/APPL DEV SYS             | 5798-NPL     |     | 58      |          |          |          | 12 GB30-1122 | 5120 SYSTEM              | 1 L H       |
| >APPLICATION FLO | APPLICATION FLOWCHARTER                  | 5798-NLW     |     | 345     |          |          |          | 01 GB30-1043 | SYSTEM/32                | 0 S H       |
| >APPLICATION LOA | S/1 NATIVE APPL LOAD FAC - VER 2         | 5798-RBR     |     | 172     |          |          |          | 12 GB30-1071 | SERIES/1                 | 1 S H       |
| >APPLICATIONS    | FINANCIAL APPLICATIONS BRIDGE RETAIL     | 5726-XA7     |     | 150     |          |          |          | 24 GH30-0136 | SYSTEM/34                | 1 S E       |
| APPLICATIONS     | NETWORK MONITOR FOR VTAM APPLICATIONS    | 5796-PPB     |     | 150     |          |          |          | 12 G320-6628 | OS/VS ACF/VTAM           | 1 S H       |
| APPLICATIONS     | VM/VTAM COMM NETWORK APPLICATIONS - VCNA | 5735-RC5     |     | 284     | 213      | 105      | 168      | GC27-0501    | VM/SP,DOS/VSE,VS1        | 2 S K       |
| APPLICATIONS     | 3600 4700 ADMINISTRATIVE APPLICATIONS    | 5748-F55     |     | 32      |          |          |          | GH20-2414    | IMS/VS CICS/VS           | 1 S B       |
| >APPOINTMENT SCH | S/34 CALENDAR MANAGEMENT SYSTEM          | 5798-NZB     |     | 316     |          |          |          | 12 GB30-1401 | SYSTEM/34                | 1 S H       |
| APPOINTMENTS     | HEALTH CARE: DL/I PATIENT APPOINTMENTS   | 5798-CCA     |     | 830     |          |          |          | 12 GB21-1468 | DOS/VS DL/I CICS/VS      | 1 I H       |
| >APPOINTMENTS    | S/34 ONLINE APPOINTMENT SYSTEM           | 5796-NZP     |     | 258     |          |          |          | 12 GB30-1440 | SYSTEM/34                | 1 S H       |
| >APPROPRIATION   | APPROPRIATION ACCOUNTING                 | 5701-G22     |     | 151     |          |          |          | GH20-1049    | SYSTEM/3                 | 1 I C       |
| APT              | APT ADVANCED CONTOURING                  | 5740-M53     |     | 802     |          |          |          | GH20-1423    | OS/VS                    | 1 I B       |
| APT              | APT INTERMEDIATE CONTOURING              | 5740-M52     |     | 480     |          |          |          | GH20-1424    | OS/VS                    | 1 I B       |
| APT              | APT INTERFACE MODULE                     | 5796-ATE     | R   | 402     | 230      |          |          | G320-6063    | OS/VS,VM/CMS             | 1 S E       |
| APT-AC           | APT ADVANCED CONTOURING                  | 5740-M53     |     | 802     |          |          |          | GH20-1423    | OS/VS                    | 1 I B       |
| APT-AC           | NUMERICAL GEOMETRY SYSTEM APT-AC BRIDGE  | 5785-EAN     |     | 300     |          |          |          | 24 GB21-2608 | 5785-EAH                 | 1 S H       |
| APT-IC           | APT INTERMEDIATE CONTOURING              | 5740-M52     |     | 480     |          |          |          | GH20-1424    | OS/VS                    | 1 I B       |
| >AQMS            | S/1 AIR QUALITY MONITORING SYS           | 5798-RDQ     |     | 560     |          |          |          | 12 GB30-1591 | SERIES/1                 | 1 S H       |
| >ARCHITECT       | EDX SYSTEM NETWORK ARCHITECT             | 5719-SX1     | R   | 51      |          |          |          | SC34-0402    | SERIES/1                 | 1 S E       |
| >ARCHITECT       | EDX SYSTEM NETWORK ARCHITECT RJE         | 5719-SX2     | R   | 25      |          |          |          | SC34-0402    | SERIES/1                 | 1 S E       |
| ARCHIVE          | ATMS ARCHIVE TAPE CONTENT LISTER         | 5796-AZQ     |     | 85      |          |          |          | 12 G320-6389 | OS/VS                    | 1 S H       |
| ARCHIVE          | CHECK PROCESSING ARCHIVE RETRIEVAL       | 5798-CHH     |     | 900     |          |          |          | 12 GB21-1789 | OS/VS1,OS/VS2            | 1 I H       |
| ARCHIVE          | CHECK PROCESSING ARCHIVE / RETRIEVAL     | 5798-GNM     |     | 325     |          |          |          | 12 GB21-2041 | OS/VS CICS/VS            | 1 S H       |
| >ARCHIVES        | S/38 SOURCE ARCHIVE                      | 5798-RFD     |     | 60      |          |          |          | 06 GB30-1630 | SYSTEM/38                | 1 S H       |
| ARCHIVING        | SPM II WITH AUDITING AND ARCHIVING       | 5798-CFT/02  |     | 53      |          |          |          | GB21-1619    | 6005-6006                | 1 S E       |
| AREA             | VSAM CONTROL AREA FREESPACE MAP UTILITY  | 5796-AYX     |     | 90      |          |          |          | 12 G320-6346 | OS/VS                    | 1 S H       |
| >ARITHMETIC      | ARITHMETIC GAMES SET 1                   | 6024-024     |     | 60      |          |          |          | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >ARITHMETIC      | ARITHMETIC GAMES SET 2                   | 6024-025     |     | 60      |          |          |          | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE # | T                    | I | S   |
|------------------|---|--------------|-----|---------|----------|----------|----------|------------|--------------------------|----------------------|---|-----|
|                  |   |              |     |         |          |          |          |            |                          | P                    | L | V   |
| >ARITHMETIC      | CPS COMMERCIAL ARITHMETIC               | 5799-TBD     | R   | 2       |          |          |          | 24         | SC34-1566                | SERIES/1             | 1 | S C |
| >ARNOT-OGDEN HOS | HOSPITAL INVENTORY-ARNOT-OGDEN          | 5796-AEL     |     | 93      |          |          |          | 12         | G320-8091                | SYSTEM/3             | 1 | I H |
| ART              | PANEL 2 LINE ART PROGRAM                | 5796-PPA     |     | 86      |          |          |          | 24         | G320-6420                | VM/370,OS/V5         | 1 | S H |
| >ASCII TERMINAL  | S/1 YALE ASCII TERM COMM SYSTEM         | 5796-RBT     | P   | 143     |          |          |          | 24         | GB30-1509                | SERIES/1             | 1 | S H |
| ASIS             | ALPHA SEARCH INQUIRY SYSTEM             | 5736-N16     |     | 231     |          |          |          |            | GH20-1188                | C1CS/OS/DOS/V5,CMS   | 1 | S C |
| ASIS             | ALPHA SEARCH INQUIRY - IMS INTERFACE    | 5798-AWB     |     | 670     |          |          |          | 12         | GB21-0987                | OS                   | 1 | I H |
| ASIS             | ALPHA SEARCH INQUIRY SYS ONLINE UPDATE  | 5798-CFJ     |     | 400     |          |          |          | 12         | GB21-1677                | C1CS/DOS/OS/V5,CMS   | 1 | S H |
| >ASSEM           | BASIC ASSEM LANG & MACRO PROCESSOR PROG | 5725-AS1     |     | 134     |          |          |          |            | GC21-7675                | SYSTEM/32            | 1 | S A |
| >ASSEMBLER       | ASSEMBLER LANGUAGE                      | 5708-AS1     |     | 38      | 29       |          |          |            | GC21-7795                | 5280 DATA SYSTEM     | 1 | S A |
| ASSEMBLER        | ASSEMBLER H CMS INTERFACE               | 5796-PEJ     |     | 136     |          |          |          | 12         | G320-5541                | VM/CMS               | 1 | S H |
| >ASSEMBLER       | BASIC ASSEMBLER MOD 8/10 DISK           | 5702-AS1     |     | 104     |          |          |          |            | SC21-7509                | SYSTEM/3             | 1 | S C |
| >ASSEMBLER       | BASIC ASSEMBLER - 15ABC                 | 5704-AS1     |     | 152     |          |          |          |            | SC21-7509                | SYSTEM/3             | 1 | S C |
| >ASSEMBLER       | BASIC ASSEMBLER - 15D                   | 5704-AS2     |     | 192     |          |          |          |            | GA21-9236                | SYSTEM/3             | 1 | S A |
| >ASSEMBLER       | BASIC ASSEMBLER MOD 12                  | 5705-AS1     |     | 102     |          |          |          |            | GC21-5079                | SYSTEM/3             | 1 | S C |
| >ASSEMBLER       | BASIC ASSEMBLER AND MACRO PROCESSOR     | 5726-AS1     |     | 134     | 101      |          |          |            | GC21-7840                | SYSTEM/34            | 1 | S A |
| ASSEMBLER        | DOS/V5 ASSEMBLER LABEL TRACE FACILITY   | 5798-AWJ     |     | 54      |          |          |          | 06         | GB21-1008                | DOS/V5               | 1 | S H |
| ASSEMBLER        | DPX ASSEMBLER                           | 5760-AS1     |     | 63      | 47       | 14       | 22       |            | GC27-0411                | DPX                  | 1 | S K |
| >ASSEMBLER       | EDX MACRO ASSEMBLER                     | 5719-ASA     | R   | 17      |          |          |          |            | GS34-0305                | SERIES/1             | 1 | S C |
| ASSEMBLER        | GENERAL CROSS ASSEMBLER GENERATOR       | 5796-PKD     |     | 550     |          |          |          | 12         | G320-5824                | APLSV, VSAPL         | 1 | S H |
| >ASSEMBLER       | MACRO ASSEMBLER                         | 6024-002     |     | 100     |          |          |          | 01         | GX20-2397                | IBM PERSONAL COMPUTR | 0 | S H |
| >ASSEMBLER       | OS ASSEMBLER H                          | 5668-962     | P   | 145     | 108      | 5        | 8        |            |                          | OS/V5,MV5/XA,VM/SP   | 1 | S K |
| ASSEMBLER        | OS ASSEMBLER H                          | 5734-AS1     |     | 247     |          |          |          |            | GC26-3758                | MFT/MVT/V51/MV5      | 1 | S C |
| ASSEMBLER        | TSO ASSEMBLER PROMPTER                  | 5734-CP2     |     | 29      |          |          |          |            | GC33-4038                | TSO                  | 1 | S C |
| ASSEMBLER        | 3770 SUPERVISOR ASSEMBLER               | 5798-CWH     |     | 115     |          |          |          | 12         | GB21-2278                | DOS/V5,OS/V5,VM/CMS  | 1 | I H |
| ASSEMBLER        | 3770 3790 ASSEMBLER LISTING POST EDITOR | 5798-CQZ     |     | 81      |          |          |          | 12         | GB21-2159                | DOS/V5,OS/V51        | 1 | I H |
| >ASSET           | FIXED ASSET ACCTG & CONTROL             | 5798-AGZ     |     | 158     |          |          |          | 12         | GB21-0447                | SYSTEM/3             | 1 | I H |
| >ASSET ACCOUNTIN | FIXED ASSET ACCTG & CONTROL SYS         | 5798-NWA     |     | 161     |          |          |          | 12         | GB30-1241                | 5120 SYSTEM          | 1 | S H |
| >ASSET ACCTG     | FIXED ASSET ACCTG & CTL SYS             | 5798-NLD     |     | 161     |          |          |          | 12         | GB30-1006                | SYSTEM/32            | 1 | S H |
| >ASSETS          | S/34 FIXED ASSET ACCTG/CTL II           | 5798-RJH     |     | 2100    |          |          |          | 01         | GB30-1787                | SYSTEM/34            | 1 | S H |
| ASSIGNMENT       | CASHIER ASSIGNMENT SYSTEM               | 5798-CXJ     |     | 250     |          |          |          | 12         | GB21-1921                | DOS/V5               | 1 | I H |
| >ASSOC.          | MEMBERSHIP AND MAILING LIST SYSTEM      | 5726-K11     |     | 123     |          |          |          |            | GH30-0454                | SYSTEM/34            | 1 | I C |
| >ASSOCIATIONS    | MEMBERSHIP AND MAILING ASSOCIATIONS     | 5725-K11     |     | 123     |          |          |          |            | GH30-0012                | SYSTEM/32            | 1 | I C |
| ASTAP            | ADVANCED STATISTICAL ANALYSIS           | 5796-PBH     |     | 1350    |          |          |          | 24         | G320-8063                | OS/MFT/MVT/V5        | 2 | I H |
| >ASYNCHRONOUS    | ASYNCHRONOUS COMMUNICATION              | 5608-SR1     | Q   | 120     |          |          |          |            | 6544-0851                | DISPLAYWRITER        | Y | S E |
| >ASYNCHRONOUS    | ASYNCHRONOUS COMMUNICATIONS             | 5715-AC1     |     | 600     |          |          |          | 01         | SA34-0111                | SYS/23 DATAMASTER    | 1 | I E |
| >ASYNCHRONOUS    | ASYNCHRONOUS COMMUNICATION SUPPORT      | 6024-032     |     | 40      |          |          |          | 01         | GX20-2397                | IBM PERSONAL COMPUTR | 0 | S H |
| >ASYNCHRONOUS    | SERIES/1 ESS/I WITH HOOKS               | 5796-RBB     | P   | 345     |          |          |          | 12         | GB30-1474                | SERIES/1             | 1 | S H |
| >ATM             | CREDIT UNION SYSTEM - ATM               | 5796-BBY     | P   | 220     |          |          |          | 24         | G320-6666                | 5796-BBW             | 1 | S H |
| ATMS             | ATMS ARCHIVE TAPE CONTENT LISTER        | 5796-AZQ     |     | 85      |          |          |          | 12         | G320-6389                | OS/V5                | 1 | S H |
| ATMS             | ATMS BATCH BACKUP                       | 5798-CJY     |     | 250     |          |          |          | 12         | GB21-1880                | OS/V51,OS/V52        | 1 | S H |

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| KEYWORD          | PROGRAM INFORMATION                      | ORDER       | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T                      | I | S   |
|------------------|--|-------------|---|------|------|------|------|---------|-------------|------------------------|---|-----|
|                  |  | NUMBER      | C | FREE | FREE | FREE | FREE | MO      | INFO        | OR FEATURE #           | P | L   |
| ATMS             | ATMS III FORMATTER                       | 5740-XYL/02 |   | 402  |      |      |      |         | GH20-2404   | 5122-5123              | 2 | S B |
| ATMS             | ATMS III FORMATTER                       | 5746-XXU/02 |   | 402  |      |      |      |         | GH20-2404   | 5040-5041              | 2 | S B |
| ATMS             | ATMS II MULTIPLE FONTS FOR THE 3800      | 5798-CRH    |   | 175  |      |      |      | 12      | GB21-2184   | OS/V5 CICS/V5          | 1 | S H |
| >ATMS            | ATMS III INSTALLATION AID                | 5798-DGX    |   | 825  |      |      |      | 01      | GB21-2879   | DOS/V5E                | 0 | S H |
| ATMS             | DCF FOREGROUND: CMS TSO ATMS III         | 5748-XX9/02 |   | 53   |      |      |      |         | GH20-9158   | 6043-4,6072-3,6076-7   | 1 | S L |
| ATMS             | STAIRS TO ATMS TRANSFER EXTENDED         | 5798-DEE    |   | 105  |      |      |      | 12      | GB21-2731   | CICS/OS-DOS/V5         | 1 | S H |
| ATMS III         | ADVANCED TEXT MANAGEMENT SYSTEM III      | 5740-XYL/01 |   | 778  |      |      |      |         | GH20-2404   | OS/V5                  | 2 | S B |
| ATMS III         | ADVANCED TEXT MANAGEMENT SYSTEM III      | 5746-XXU/01 |   | 417  |      |      |      |         | GH20-2404   | DOS/V5                 | 2 | S B |
| >ATTENDANCE REPO | STUDENT RECORD SYSTEM                    | 5796-AEN    |   | 204  |      |      |      | 12      | G320-8078   | SYSTEM/3               | 1 | I H |
| >ATTORNEY INFO   | 5120 ATTY INFO MGMT SYS                  | 5796-ZAG    |   | 8280 |      |      |      | 01      | GB30-1547   | 5120 SYSTEM            | 1 | S H |
| >AUDIO           | IBM AUDIO DISTRIBUTION SYSTEM            | 5719-U20    | R | 350  |      |      |      |         | GC34-0401   | SERIES/1               | 1 | S E |
| >AUDIO SUPPORT   | AUDIO SUPPORT FOR TOUCH-TONE             | 5798-NXX    |   | 201  |      |      |      | 12      | GB30-1350   | SERIES/1               | 1 | S H |
| AUDIT            | AUDIT SOURCE CODE COMPARE                | 5796-PDF    |   | 90   |      |      |      | 12      | G320-5532   | DOS/V5                 | 1 | I H |
| AUDIT            | AUDIT FILE COMPARE PROGRAM               | 5796-PNF    |   | 100  |      |      |      | 12      | G320-6339   | OS/V5                  | 1 | S H |
| AUDIT            | FERST/V5 RATING RATE AUDIT               | 5795-AAM    |   | 2025 |      |      |      |         | GH20-4394   | CICS/OS/V5             | 1 | I C |
| AUDIT            | FERST/V5 RATING RATE AUDIT               | 5795-AAN    |   | 2025 |      |      |      |         | GH20-4394   | CICS/DOS/V5            | 1 | I C |
| AUDIT            | FREIGHT BILL AUDIT AND RATING SYSTEM     | 5796-AEJ    |   | 1215 |      |      |      | 24      | G320-8071   | OS/MVT                 | 2 | I H |
| >AUDIT           | SALES AUDIT RETAIL                       | 5726-XA2    |   | 238  | 178  |      |      |         | GH30-0136   | SYSTEM/34              | 1 | I D |
| AUDIT            | SOURCE COMPARE AUDIT UTILITY             | 5796-PLZ    |   | 100  |      |      |      | 24      | G320-6163   | V51 VM/CMS MVS         | 1 | I H |
| AUDITING         | FREIGHT BILL AUDITING SYSTEM             | 5796-AJB    |   | 350  |      |      |      | 12      | G320-8147   | DOS/V5                 | 1 | I H |
| AUDITING         | SPM II WITH AUDITING AND ARCHIVING       | 5798-CFT/02 |   | 53   |      |      |      |         | GB21-1619   | 6005-6006              | 1 | S E |
| AUTHORING        | INTERACTIVE INSTRUCTIONAL AUTHORIZING    | 5668-011    |   | 373  |      |      |      |         | GH20-2446   | OS/V5, DOS/V5E, VM/CMS | 2 | S B |
| >AUTHORIZATION   | CREDIT AUTHORIZATION                     | 5798-DEW    | P | 2625 |      |      |      | 12      | GB21-2748   | OS/V5, CICS/V5         | 1 | S H |
| AUTHORIZATIONS   | CREDIT CARD SYSTEM - AUTHORIZATIONS      | 5796-AQQ    |   | 850  |      |      |      | 12      | G320-6162   | CICS/V5 DOS/V5E        | 1 | S H |
| >AUTO            | AUTO REPORT SUPPORT FEATURE MOD 8/10DISK | 5702-RG1/05 |   | 20   |      |      |      |         | GC21-7563   | 6028/29                | 1 | S C |
| >AUTO            | AUTO REPORT SUPPORT FEATURE MOD 6        | 5703-RG1/03 |   | 20   |      |      |      |         | GC21-7563   | 6008/9                 | 1 | S C |
| AUTO             | DOS RPG II AUTO REPORT FEATURE           | 5736-RG1/02 |   | 25   |      |      |      |         | GC21-5052   | 6017-6021, 6035-6037   | 1 | S C |
| AUTO             | DPPX SDLC AUTO ANSWER                    | 5799-BDE    |   | 23   | 17   |      |      |         |             | 8100/DPPX              | 1 | S B |
| >AUTO            | RELEA CTRL FOR SUPPLIERS TO THE AUTO IND | 5725-M45    |   | 84   |      |      |      |         | GH30-0014   | SYSTEM/32              | 1 | S C |
| >AUTO            | SHIP CTRL FOR SUPPLIERS TO THE AUTO IND  | 5725-M44    |   | 77   |      |      |      |         | GH30-0013   | SYSTEM/32              | 1 | S C |
| >AUTO DEALER     | DEALER ACCT SYS - WESTLAND AUTO          | 5796-ABV    |   | 527  |      |      |      | 12      | G320-1423   | SYSTEM/3               | 1 | I H |
| >AUTO DEALER     | S/1 AUTO DEALER SYSTEM                   | 5796-RFG    |   | 730  |      |      |      | 24      | GB30-1723   | SERIES/1               | 1 | S H |
| >AUTO-ANSWER     | S/1 3101 FULL SCREEN CPS                 | 5798-RFF    | P | 282  |      |      |      | 01      | GB30-1639   | SERIES/1               | 1 | S H |
| >AUTO-CALL       | CPS AUTO-CALL INTERFACE                  | 5799-TBC    | R | 6    |      |      |      | 24      | SC34-1552   | SERIES/1               | 1 | S C |
| AUTOCODER        | AUTOCODER TO COBOL CONVERSION WITH CMS   | 5798-CNH    |   | 1120 |      |      |      | 01      | GB21-2022   | VM/CMS                 | 0 | I H |
| >AUTOMATED FILE  | S/3 DBT TO S/38 CONVER AID               | 5798-NYN    |   | 247  |      |      |      | 01      | GB30-1389   | SYSTEM/3               | 0 | S H |
| AUTOMATIC        | AUTOMATIC PASSWORD GENERATION FOR TSO    | 5796-PFR    |   | 80   |      |      |      | 12      | G320-5653   | OS/V52 (TSO)           | 1 | S H |
| AUTOMATIC        | AUTOMATIC TCAM NETWORK DEFINITION        | 5798-CYH    |   | 175  |      |      |      | 12      | GB21-2375   | OS/V5                  | 1 | I H |
| >AUTOMATIC A/R   | S/34 APPAREL BUS SYS - OE & C            | 5796-RAC    |   | 862  |      |      |      | 12      | GB30-1457   | SYSTEM/34              | 1 | S H |
| >AUTOMATION      | AUTOMATED INSTRUMENT CONTROL             | 5798-NYJ    | P | 15   |      |      |      | 12      | GB30-1381   | SERIES/1               | 1 | S H |



| KEYWORD          | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L Y |
|------------------|---|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >AUTOMATION      | S/1 X-RAY SEARCH/MATCH                    | 5798-RCG     |     | 460     |          |          |          | 12 GB30-1381 | SERIES/1                 | 1 S H       |
| AUTOMATION       | TAPE AUTOMATION - PRODUCTION ENVIRONMENT  | 5798-DBG     |     | 200     |          |          |          | 12 GB21-2828 | DOS/VSE                  | 1 S H       |
| >AUTOMATION      | X-RAY FLUORESCENCE ANALYSIS               | 5798-NYK     |     | 150     |          |          |          | 12 GB30-1381 | SERIES/1                 | 1 S H       |
| >AUTOMATION      | X-RAY POLYCRYSTALLINE DIFFRACT            | 5798-NYL     |     | 120     |          |          |          | 12 GB30-1381 | SERIES/1                 | 1 S H       |
| >AUTOMATION EXEC | S/1 GENL PURP AUTO EXEC (GPAX)            | 5798-RCZ     | P   | 250     |          |          |          | 24 GB30-1565 | SERIES/1                 | 1 S H       |
| >AUTOMOTIVE      | RELEA CTRL FOR SUPPLIERS TO THE AUTO IND  | 5725-M45     |     | 84      |          |          |          | GH30-0014    | SYSTEM/32                | 1 S C       |
| >AUTOMOTIVE      | SHIP CTRL FOR SUPPLIERS TO THE AUTO IND   | 5725-M44     |     | 77      |          |          |          | GH30-0013    | SYSTEM/32                | 1 S C       |
| AVAILABILITY     | IMS AVAILABILITY REPORTS                  | 5798-CNN     |     | 225     |          |          |          | 12 GB21-2030 | OS/V5                    | 1 I H       |
| >B/M             | CARD B/M AND REQUIREMENTS PLANNING MFG    | 5701-M42     |     | 82      |          |          |          | GH20-0770    | SYSTEM/3                 | 1 I C       |
| BACIS            | FINANCIAL INFORMATION SYSTEM / BACIS      | 5798-CQF     |     | 1200    |          |          |          | 24 GB21-2123 | OS/V5 COBOL              | 1 I H       |
| BACIS/FIS        | FINANCIAL INFORMATION SYSTEM ONLINE FIS   | 5798-CVB     |     | 330     |          |          |          | GB21-2367    | DOS/V5/VSE 5798-CYC      | 1 S E       |
| BACIS/FIS        | FINANCIAL INFORMATION SYSTEM - FIS        | 5798-CVC     |     | 793     |          |          |          | GB21-2364    | DOS/V5/VSE COBOL         | 1 S E       |
| BACKUP           | ATMS BATCH BACKUP                         | 5798-CJY     |     | 250     |          |          |          | 12 GB21-1880 | OS/V51,OS/V52            | 1 S H       |
| BACKUP           | VSE VSAM FAST BACKUP RESTORE FEATURE      | 5746-AM2/03  |     | 24      | 18       | 5        | 8        | GC24-5190    | 6090-6091                | 1 S K       |
| >BALANCE         | FINANCIAL: STATUS - P&L BALANCE SHEET     | 5668-968     |     | 184     |          |          |          | GH20-2467    | OS/V5,IMS/CICS/V5        | 1 S B       |
| BALANCE          | FINANCIAL: STATUS - P&L BALANCE SHEET     | 5746-F53     |     | 158     |          |          |          | GH20-2467    | DOS/VSE,CICS,DL/1        | 1 S B       |
| >BALANCE SHEET   | S/23 JOB SHOP CONTROL - G/L               | 5796-ZAN     |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >BALANCE SHEET   | S/34 G/L & FINAN ACCTG SYS                | 5798-RFW     |     | 150     |          |          |          | 12 GB30-1673 | SYSTEM/34                | 1 S H       |
| >BALANCE SHEET   | 5120 JOB SHOP SYS - G/L                   | 5796-RCF     |     | 132     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| BANK             | BANK TELLER 3600 APPLICATION PROGRAM      | 5796-ARD     |     | 100     |          |          |          | 12 G320-5761 | 3600                     | 1 S H       |
| BANK             | BANK TELLER AP - COMMERCIAL EXTENSIONS    | 5796-AZX     |     | 120     |          |          |          | 12 G320-6396 |                          | 1 S H       |
| BANK             | COMMERCIAL BANK SYSTEM BASE SUPPORT       | 5746-F60     |     | 475     |          |          |          | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| BANK             | COMMERCIAL BANK DEMAND DEPOSIT ACCOUNTING | 5746-F61     |     | 365     |          |          |          | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| BANK             | COMMERCIAL BANK SAVINGS ACCOUNTING        | 5746-F62     |     | 330     |          |          |          | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| BANK             | COMMERCIAL BANK TIME DEPOSIT CERTIFICATS  | 5746-F63     |     | 255     |          |          |          | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| BANK             | COMMERCIAL BANK GENERAL LEDGER ACCOUNTING | 5746-F64     |     | 235     |          |          |          | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| BANK             | COMMERCIAL BANK SYSTEM REVOLVING CREDIT   | 5746-F65     |     | 185     |          |          |          | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| BANK             | COMMERCIAL BANK 3600 TELLER APPLICATION   | 5796-AXK     |     | 120     |          |          |          | 12 G320-6161 | V51                      | 1 S H       |
| >BANKING         | APPL SUPP - CONSUMER TRANS FACIL          | 5798-NNE     |     | 575     |          |          |          | 12 GB30-1295 | SYSTEM/3                 | 1 S H       |
| >BANKING         | CERTIFICATE OF DEPOSIT ACCTG              | 5798-AFR     |     | 220     |          |          |          | 12 GB21-0381 | SYSTEM/3                 | 1 I H       |
| >BANKING         | CUSTOMER INFORMATION FILE BANKING         | 5725-F11     |     | 101     |          |          |          | GH30-0358    | SYSTEM/32                | 1 I C       |
| >BANKING         | CUSTOMER INFORMATION FILE BANKING         | 5726-F11     |     | 167     |          |          |          | G360-0050    | SYSTEM/34                | 1 I D       |
| >BANKING         | DEMAND DEPOSIT ACCOUNTING BANKING         | 5725-F12     |     | 94      |          |          |          | GH30-0359    | SYSTEM/32                | 1 I C       |
| >BANKING         | DEMAND DEPOSIT ACCOUNTING BANKING         | 5726-F12     |     | 150     |          |          |          | G360-0050    | SYSTEM/34                | 1 I D       |
| >BANKING         | DPPX MORTGAGE BANKING SYSTEM              | 5798-DDN     |     | 515     |          |          |          | 12 GB21-2691 | DPPX/BASE                | 1 S H       |
| BANKING          | FUNDAMENTALS OF BANKING COURSE            | 5798-DDH     |     | 125     |          |          |          | 12 GB21-2652 | IIS,IIPS                 | 1 L H       |
| >BANKING         | INSTALLMENT LOAN ACCOUNTING BANKING       | 5725-F14     |     | 104     |          |          |          | GH30-0362    | SYSTEM/32                | 1 I C       |
| >BANKING         | INSTALLMENT LOAN ACCOUNTING BANKING       | 5726-F14     |     | 170     |          |          |          | G360-0050    | SYSTEM/34                | 1 I D       |
| >BANKING         | INTEGR CUST ACCT & PROF FOR FIN           | 5798-NED     |     | 373     |          |          |          | 12 GB30-0763 | SYSTEM/3                 | 1 I H       |
| >BANKING         | INTEGR CUST ACCT & PROF FOR FIN           | 5798-NEF     |     | 339     |          |          |          | 12 GB30-0763 | SYSTEM/3                 | 1 I H       |

KEYWORDS - ALPHABETIC SEQUENCE

1-012

CODES EXPLAINED ON PAGE XI

| KEYWORD      | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|--------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >BANKING     | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEJ     |     | 264     |          |          |          | 12 GB30-0763 | SYSTEM/3                 | 1 I H       |
| >BANKING     | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEN     |     | 276     |          |          |          | 12 GB30-0763 | SYSTEM/3                 | 1 I H       |
| >BANKING     | ONLINE TERMINAL SUPPORT II               | 5798-NYZ     |     | 345     |          |          |          | 12 GB30-1409 | SYSTEM/3                 | 1 S H       |
| >BANKING     | PROOF OF DEPOSIT TRANSIT                 | 5798-AFD     |     | 164     |          |          |          | 12 GB21-0286 | SYSTEM/3                 | 1 I H       |
| >BANKING     | PROOF OF DEPOSIT TRANSIT W/SUBRS         | 5798-NKC     |     | 138     |          |          |          | 12 GB30-0949 | SYSTEM/3                 | 1 S H       |
| >BANKING     | PROOF OF DEPOSIT TRANSIT SYS             | 5798-NKQ     |     | 138     |          |          |          | 12 GB30-0986 | SYSTEM/32                | 1 S H       |
| >BANKING     | PROOF OF DEPOSIT TRANSIT SYSTEM          | 5798-NMW     |     | 172     |          |          |          | 12 GB30-1141 | SYSTEM/34                | 1 S H       |
| >BANKING     | S/34 NEGOTIABLE ORDER OF WITHDRA         | 5798-RDE     |     | 65      |          |          |          | 12 GB30-1583 | SYSTEM/34                | 1 S H       |
| >BANKING     | S/34 ONLINE REJECT RE-ENTRY              | 5798-NZY     |     | 46      |          |          |          | 12 GB30-1445 | SYSTEM/34                | 1 S H       |
| >BANKING     | SAVINGS ACCOUNTING BANKING               | 5725-F13     |     | 90      |          |          |          | GH30-0360    | SYSTEM/32                | 1 I C       |
| >BANKING     | SAVINGS ACCOUNTING BANKING               | 5726-F13     |     | 147     |          |          |          | G360-0050    | SYSTEM/34                | 1 I D       |
| >BANKING     | TELLER CONTROL PROGRAM                   | 5798-NKZ     |     | 287     |          |          |          | 12 GB30-0992 | SYSTEM/3                 | 1 S H       |
| >BANKING     | TELLER CONTROL PROG ENHANCEMENTS         | 5798-NXL     |     | 155     |          |          |          | 12 GB30-1331 | SYSTEM/3                 | 1 S H       |
| >BANKING     | 3600 O/L TERMINAL SUPPORT - S/34         | 5798-RAA     |     | 253     |          |          |          | 12 GB30-1454 | SYSTEM/34                | 1 S H       |
| >BANKS       | S/34 APPLIC SUPPORT FOR 3624 CTF         | 5798-RDP     |     | 800     |          |          |          | 12 GB30-1626 | SYSTEM/34                | 1 S H       |
| >BAR CODE    | S/1 DATA CAPTURE/INTER EDIT B/C          | 5798-RHP     |     | 150     |          |          |          | 12 GB30-1708 | SERIES/1                 | 1 S H       |
| >BAR CODE    | S/34 BAR CODE PRINT FOR MAPICS           | 5798-RHN     |     | 150     |          |          |          | 06 GB30-1706 | SYSTEM/34                | 1 S H       |
| >BAR CUTTING | S/34 STRIP & BAR CUTTING OPTIMIZ         | 5798-NZC     |     | 75      |          |          |          | 12 GB30-1406 | SYSTEM/34                | 1 S H       |
| >BASED       | INTERFACING APL BASED PRODUCTS COURSE    | 5798-DHN     |     | 1190    |          |          |          | 01 GB21-2914 | IIS,IIPS                 | 1 L H       |
| >BASIC       | BASIC ASSEMBLER MOD 8/10 DISK            | 5702-AS1     |     | 104     |          |          |          | SC21-7509    | SYSTEM/3                 | 1 S C       |
| >BASIC       | BASIC MOD 6                              | 5703-XM1     |     | 146     |          |          |          | GC34-0001    | SYSTEM/3                 | 1 S C       |
| >BASIC       | BASIC ASSEMBLER - 15ABC                  | 5704-AS1     |     | 152     |          |          |          | SC21-7509    | SYSTEM/3                 | 1 S C       |
| >BASIC       | BASIC ASSEMBLER - 15D                    | 5704-AS2     |     | 192     |          |          |          | GA21-9236    | SYSTEM/3                 | 1 S A       |
| >BASIC       | BASIC ASSEMBLER MOD 12                   | 5705-AS1     |     | 102     |          |          |          | GC21-5079    | SYSTEM/3                 | 1 S C       |
| >BASIC       | BASIC ASSEM LANG & MACRO PROCESSOR PROG  | 5725-AS1     |     | 134     |          |          |          | GC21-7675    | SYSTEM/32                | 1 S A       |
| >BASIC       | BASIC ASSEMBLER AND MACRO PROCESSOR      | 5726-AS1     |     | 134     | 101      |          |          | GC21-7840    | SYSTEM/34                | 1 S A       |
| >BASIC       | BASIC ANS X3.60-1978                     | 5726-BA1     |     | 63      | 47       |          |          | GC21-7841    | SYSTEM/34                | 1 S A       |
| >BASIC       | BASIC SUBSET                             | 5726-BA2     |     | 780     |          |          |          | 01 GC21-9035 | SYSTEM/34                | 1 S A       |
| >BASIC       | BASIC INTERACTIVE GRAPHIC APPL MONITOR   | 5785-DCJ     |     | 485     |          |          |          | 12 G320-6659 | BG55 5785-DCK            | 1 S H       |
| >BASIC       | BASIC GRAPHIC SUPPORT SYSTEM             | 5785-DCK     |     | 310     |          |          |          | 12 G320-6659 | VM,VSAPL                 | 1 S H       |
| >BASIC       | BASIC TEXT EDITOR                        | 5798-NPT     |     | 58      |          |          |          | 12 GB30-1153 | 5120 SYSTEM              | 1 S H       |
| >BASIC       | BUSINESS ANALYSIS -BASIC PROB SOLVER LIB | 5721-DC5     |     | 603     |          |          |          | 01 GH30-0394 | 5120 SYSTEM              | 3 L C       |
| BASIC        | BUSINESS ANALYSIS / BASIC                | 5734-XMB     |     | 60      |          |          |          | GH20-1175    | VSPC,CMS                 | 1 S C       |
| BASIC        | DL/I BASIC PROGRAMMING COURSE            | 5798-CBA     |     | 160     |          |          |          | 12 GB21-1416 | IIS,IIPS                 | 1 L H       |
| >BASIC       | EDX BASIC SUPERVISOR AND EMULATOR VER 3  | 5719-XS3     | R   | 37      |          |          |          | GC34-1694    | SERIES/1                 | 1 S E       |
| >BASIC       | MATH - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC6     |     | 603     |          |          |          | 01 GH30-0395 | 5120 SYSTEM              | 3 L C       |
| >BASIC       | MATH - BASIC                             | 5721-XM1     |     | 603     |          |          |          | 01 G580-0040 | 5100 SYSTEM              | 3 L C       |
| BASIC        | MATH / BASIC                             | 5734-XM8     |     | 55      |          |          |          | GH20-1128    | CMS,VSPC                 | 1 S C       |
| BASIC        | NUMERICAL GEOMETRY SYSTEM - BASIC        | 5785-EAH     |     | 1400    |          |          |          | 24 GB21-2608 | MVS                      | 1 S H       |
| >BASIC       | OPTICAL MARK READER SUPPORT              | 5798-NRC     |     | 575     |          |          |          | 01 GB30-1202 | 5120 SYSTEM              | 1 S H       |

| KEYWORD | PROGRAM INFORMATION                        | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|---------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| BASIC   | OS/VS1 BASIC PROGRAMMING EXTENSIONS        | 5662-257     |     | 189     | 141      | 35       | 56       | GC24-5218    | OS/VS1 REL 7             | 1 S K       |
| BASIC   | OS/VS1 BASIC PROGRAMMING EXTENSIONS        | 5662-257     |     | 189     | 141      | 35       | 56       | GC24-5218    | OS/VS1 REL 7             | 1 S K       |
| >BASIC  | PRINT PLOT - BASIC                         | 5721-DC1     |     | 575     |          |          |          | 01 SA21-9265 | 5100 SYSTEM              | 3 L C       |
| >BASIC  | PRINT PLOT - PROBLEM SOLVER LIB BASIC      | 5721-DC3     |     | 575     |          |          |          | 01 GC21-5191 | 5120 SYSTEM              | 3 L C       |
| BASIC   | PROGRAMMING IN VS BASIC                    | 5798-DBX     |     | 285     |          |          |          | 12 GB21-2574 | IIS, IIPS                | 1 L H       |
| >BASIC  | RM BASIC                                   | 5796-BCX     | P   | 75      |          |          |          | G320-6658    | VM/CMS                   | 1 S E       |
| >BASIC  | S/1 VIRTUAL BASIC SUPERVISOR               | 5798-RBY     | P   | 29      |          |          |          | 36 GB30-1466 | SERIES/1                 | 1 S H       |
| >BASIC  | S/1 WATERLOO VIRTUAL BASIC                 | 5796-RAL     | P   | 98      |          |          |          | 36 GB30-1466 | SERIES/1                 | 1 S H       |
| >BASIC  | STAT - BASIC PROBLEM SOLVER LIBRARY        | 5721-DC7     |     | 603     |          |          |          | 01 GH30-0396 | 5120 SYSTEM              | 3 L C       |
| >BASIC  | STAT - BASIC                               | 5721-XA1     |     | 603     |          |          |          | 01 GH30-0043 | 5100 SYSTEM              | 3 L C       |
| BASIC   | STAT / BASIC                               | 5734-XA3     |     | 55      |          |          |          | GH20-1027    | ITF(DOS/OS/TSO),VS       | 1 S C       |
| BASIC   | VM BASIC SYSTEM EXTENSIONS VM/BSE          | 5748-XX8     |     | 136     | 102      | 33       | 52       | GC20-1828    | VM                       | 2 S K       |
| BASIC   | VS/BASIC                                   | 5748-XX1     |     | 514     | 385      | 16       | 25       | GC28-8302    | TSO / CMS                | 1 S K       |
| >BASIC  | WATERLOO BASIC COMPILER AND RTM            | 5796-NNL     |     | 110     |          |          |          | 36 GB30-1310 | SERIES/1                 | 1 S H       |
| BASIC   | 3790 BASIC KEY TO DISK SYS                 | 5796-AHF     |     | 45      |          |          |          | 24 G320-6090 | DOS/VS, OS/VS1           | 1 S H       |
| >BASIC  | 5110/5120 BASIC TO SYS/23 CONVERSION AID   | 5715-CV1     |     | 875     |          |          |          | 01 GC34-1693 | SYS/23 DATAMASTER        | 1 I E       |
| >BASIC  | 5110/5120 TO S/34 BASIC CONV AID           | 5798-RFE     |     | 900     |          |          |          | 01 GB30-1632 | SYSTEM/34                | 1 S H       |
| >BASIC  | TRAINING 5110/5120 BASIC SELF-STUDY COURS  | 5796-ZAA     |     | 661     |          |          |          | 01 GB30-1492 | 5120 SYSTEM              | 0 S H       |
| BATCH   | ATMS BATCH BACKUP                          | 5798-CJY     |     | 250     |          |          |          | 12 GB21-1880 | OS/VS1,OS/VS2            | 1 S H       |
| BATCH   | BATCH TRANSFER PROGRAM                     | 5744-CG1     |     |         |          |          |          | GC33-5901    | OS/VS1                   | 0 S C       |
| BATCH   | BATCH TRANSFER PROGRAM                     | 5744-CG2     |     |         |          |          |          | GC33-5901    | MVS                      | 0 S C       |
| BATCH   | BATCH TRANSFER PROGRAM                     | 5744-CH1     |     |         |          |          |          | GC33-5901    | SVS                      | 0 S C       |
| BATCH   | BATCH TRANSFER PROGRAM                     | 5747-BW1     |     |         |          |          |          | GC33-5900    | DOS/VS                   | 0 S C       |
| BATCH   | BATCH TERMINAL SIMULATOR II                | 5796-PGT     |     | 230     |          |          |          | G320-5686    | IMS/VS VIR2              | 1 S E       |
| BATCH   | BATCH MONITOR FOR VM/CMS                   | 5796-PGZ     |     | 170     |          |          |          | 12 G320-5691 | VM/CMS                   | 1 S H       |
| BATCH   | BATCH QUERY FACILITY                       | 5798-CBY     |     | 85      |          |          |          | 12 GB21-1495 | DOS/VS                   | 0 I H       |
| BATCH   | BATCH TERMINAL - TP NETWORK SIMULATOR      | 5798-CXJ     |     | 110     |          |          |          | 12 GB21-2328 | TPNS BTS IMS/VS          | 1 I H       |
| BATCH   | COPICS BILL MATERIAL BATCH UTILITIES II    | 5785-GBC     |     | 50      |          |          |          | GB21-2640    | DOS/VSE OS/VS DL/I       | 1 S E       |
| BATCH   | DOS/VSE SYSTEM IPO/E - BATCH INTERACTIVE   | 5750-AAC     |     | *       | *        | *        | *        | GC20-1935    | DOS/VSE                  | ** *        |
| BATCH   | LEUVEN LIBRARY SYSTEM BATCH                | 5787-FAH     |     | 575     |          |          |          | 24 G320-6662 | 5787-DAA                 | 1 S H       |
| >BATCH  | LEUVEN LIBRARY SYSTEM BATCH                | 5787-FAL     |     | 365     |          |          |          | 24 G320-6662 | 5787-DAB                 | 1 S H       |
| >BATCH  | S/38-S/3 BATCH CONVERSION UTILITIES        | 5714-CV1     |     | 872     |          |          |          | 01 GC21-7758 | SYSTEM/38                | 0 S D       |
| BATCH   | SAVINGS SYSTEM - BATCH                     | 5796-AZJ     |     | 1165    |          |          |          | 12 G320-6386 | DL/I DOS/VS              | 1 S H       |
| BATCH   | TSO / JES2 BATCH DISPLAY FACILITY          | 5798-CYE     |     | 60      |          |          |          | 12 GB21-2373 | TSO JES2                 | 1 S H       |
| BATCH   | 3760 BATCH DATA TRANSFER UNDER CICS/VS     | 5798-CGB     |     | 175     |          |          |          | 12 GB21-2112 | EXTM,TCAM,VTAM           | 1 S H       |
| BATCH   | 3760 BATCH TRANSFER INSTALLATION AID       | 5798-CVN     |     | 215     |          |          |          | 12 GB21-2383 | DOS/VS                   | 1 S H       |
| BATCH   | 3770-P BATCH TRANSMISSION SERVICES         | 5798-CNX     |     | 130     |          |          |          | 12 GB21-2044 | DOS/VS OS/VS             | 1 S H       |
| >BATCH  | CONVERSIO S/3 TO S/38 BATCH CONVERSION AID | 5798-RBC     |     | 690     |          |          |          | 01 GB30-1504 | SYSTEM/38                | 0 S H       |
| >BATCH  | CONVERSIO S/3-S/38 BATCH CONVERSION AID    | 5798-RDK     |     | 650     |          |          |          | 01 GB30-1585 | SYSTEM/38                | 0 S H       |
| >BATCH  | DATA CONT PIPICS -- BATCH PRODUCT DATA CTL | 5798-NJW     |     | 184     |          |          |          | 24 GB30-0929 | SYSTEM/3                 | 1 I H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >BATCH INTERFACE | S/34 DATA COLLEC HOST                    | 5798-RDX     |     | 69      |          |          |          | 01 GB30-1552 | SYSTEM/34                | 1 S H       |
| >BATCH TRANSFER  | S/1 COMMUNICATING JOB STREAM             | 5798-RFC     |     | 650     |          |          |          | 01 GB30-1628 | SERIES/1                 | 1 S H       |
| >BATCH TRANSFER  | S/34 TO 5280 REPORT TRANSFER             | 5798-RDB     |     | 300     |          |          |          | 01 GB30-1581 | SYSTEM/34                | 1 S H       |
| BDAM             | FORTRAN BDAM PERFORMANCE ENHANCEMENT     | 5798-DGA     |     | 50      |          |          |          | 12 GB21-2853 | 5734-LC3 OS/V5           | 1 S H       |
| >BENEFIT         | COST / BENEFIT MODELING AID              | 5798-DHF     |     | 355     |          |          |          | 12 GB21-2898 | OS/V5, DOS/VSE, VM       | 1 S H       |
| BENEFITS         | GOVERNMENT REPORTING & BENEFITS TRACKING | 5746-AM1/02  |     | 208     |          |          |          | 6H20-2151    | 6080-6081                | 2 S B       |
| >BGSS            | BASIC GRAPHIC SUPPORT SYSTEM             | 5785-DCK     |     | 310     |          |          |          | 12 G320-6659 | VM, VSAPL                | 1 S H       |
| >BICARSA         | ONLINE BICARSA                           | 5798-NHF     |     | 454     |          |          |          | 12 GB30-0842 | SYSTEM/3                 | 1 I H       |
| >BICARSA         | S/34 ONLINE BICARSA                      | 5798-RFR     |     | 450     |          |          |          | 12 GB30-1667 | SYSTEM/34                | 1 S H       |
| >BID SYSTEM      | CONSTRUCTION ESTIMATING & BID            | 5796-NPQ     |     | 172     |          |          |          | 12 GB30-1146 | SYSTEM/32                | 1 S H       |
| BILL             | AUTOMATED BILL PAYMENT SYSTEM - HOST     | 5796-ANX     |     | 1425    |          |          |          | 12 G320-5752 | DOS/V5, CICS/V5          | 1 S H       |
| BILL             | COPICS BILL OF MATERIAL ON LINE II       | 5785-GBA     |     | 95      |          |          |          | GB21-2638    | DOS/VSE OS/V5 DL/I       | 1 S E       |
| BILL             | COPICS BILL MATERIAL BATCH UTILITIES II  | 5785-GBC     |     | 50      |          |          |          | GB21-2640    | DOS/VSE OS/V5 DL/I       | 1 S E       |
| BILL             | FREIGHT BILL AUDIT AND RATING SYSTEM     | 5796-AEJ     |     | 1215    |          |          |          | 24 G320-8071 | OS/MVT                   | 2 I H       |
| BILL             | FREIGHT BILL AUDITING SYSTEM             | 5796-AJB     |     | 350     |          |          |          | 12 G320-8147 | DOS/V5                   | 1 I H       |
| >BILL-OF-MATERIA | BILL-OF-MATERIAL PROCESSOR MFG.          | 5702-M41     |     | 81      |          |          |          | GC20-0965    | SYSTEM/3                 | 1 I B       |
| >BILLING         | BILLING MGMT INFO MULTI IND              | 5715-XX7     |     | 1025    |          |          |          | 01 GB30-2700 | SYS/23 DATAMASTER        | 1 I E       |
| >BILLING         | BILLING                                  | 5721-XB1     |     | 76      |          |          |          | 24 G280-0184 | 5120 SYSTEM              | 1 S C       |
| >BILLING         | BILLING LUMBER DEALERS                   | 5725-D4F     |     | 98      |          |          |          | GH30-0166    | SYSTEM/32                | 1 I D       |
| >BILLING         | BILLING INVOICING ORDER ENTRY            | 5725-D41     |     | 98      |          |          |          | GH30-0093    | SYSTEM/32                | 1 I D       |
| >BILLING         | BILLING FOOD DISTRIBUTORS                | 5725-D6A     |     | 98      |          |          |          | GH30-0156    | SYSTEM/32                | 1 I D       |
| >BILLING         | BILLING DISTRIBUTORS                     | 5726-D4A     |     | 98      |          |          |          | GH30-0093    | SYSTEM/34                | 1 I D       |
| >BILLING         | BILLING LUMBER DEALERS                   | 5726-D4E     |     | 100     |          |          |          | GH30-0166    | SYSTEM/34                | 1 I D       |
| >BILLING         | BILLING DISTRIBUTORS                     | 5726-D41     |     | 103     | 77       |          |          | GH30-0185    | SYSTEM/34                | 1 I D       |
| >BILLING         | BILLING FOOD DISTRIBUTORS                | 5726-D65     |     | 100     |          |          |          | GH30-0156    | SYSTEM/34                | 1 I D       |
| >BILLING         | CUSTOMER SERVICE BILLING DISTRIBUTION    | 5714-D41     |     | 113     | 85       |          |          | GH30-0130    | SYSTEM/38                | 1 I D       |
| BILLING          | DPCX OUTPATIENT BILLING SYSTEM           | 5798-DCP     |     | 265     |          |          |          | 12 GB21-2626 | 8100/DPCX                | 1 S H       |
| BILLING          | FERST/V5 FREIGHT BILLING                 | 5795-AAK     |     | 1775    |          |          |          | GH20-4384    | OS/V51                   | 1 I C       |
| BILLING          | FERST/V5 FREIGHT BILLING                 | 5795-AAL     |     | 1775    |          |          |          | GH20-4384    | DOS/V5                   | 1 I C       |
| >BILLING         | ONLINE BICARSA                           | 5798-NHF     |     | 454     |          |          |          | 12 GB30-0842 | SYSTEM/3                 | 1 I H       |
| >BILLING         | ORDER ENTRY AND INVOICING BILLING        | 5725-M39     |     | 77      |          |          |          | GH30-0038    | SYSTEM/32                | 1 I C       |
| >BILLING         | PATIENT BILLING HOSPITAL                 | 5725-H11     |     | 37      |          |          |          | GH30-0449    | SYSTEM/32                | 1 I C       |
| >BILLING         | PATIENT BILLING HOSPITAL                 | 5726-H11     |     | 60      |          |          |          | GH30-0404    | SYSTEM/34                | 1 I D       |
| >BILLING         | S/34 DISTRIB & SERVICE MGMT SYS          | 5796-RBK     |     | 747     |          |          |          | 12 GB30-1501 | SYSTEM/34                | 1 S H       |
| >BILLING         | S/34 ONLINE FREIGHT BILL/RATE            | 5796-NXZ     |     | 345     |          |          |          | 12 GB30-1461 | SYSTEM/34                | 1 S H       |
| >BILLING         | UTILITY BILLING AND RECEIVABLES          | 5701-G24     |     | 100     |          |          |          | GH20-0882    | SYSTEM/3                 | 1 I C       |
| >BILLING ENHANCE | DMAS II BILLING ENH - FOOD DISTR         | 5798-NXY     |     | 207     |          |          |          | 12 GB30-1340 | SYSTEM/34                | 1 S H       |
| >BINARY          | BINARY SYNCHRONOUS COMMUNICATION         | 5608-SR2     | Q   | 120     |          |          |          | G544-0851    | DISPLAYWRITER            | Y S E       |
| >BINARY          | BINARY SYNCHRONOUS COMMUNICATIONS        | 5715-BC1     |     | 850     |          |          |          | 01 SA34-0111 | SYS/23 DATAMASTER        | 1 I E       |
| BISYNC           | VSE 3270 BISYNC PASS THROUGH             | 5746-AM5     |     | 159     |          |          |          | GH20-2403    | DOS/VSE CICS/V5          | 1 S B       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >BLENDING        | OPTIMUM BLENDING PROCESS                 | 5701-D51     |     | 113     |          |          |          |    | GH20-0933    | SYSTEM/3                 | 1 I C       |
| >BLENDING        | OPTIMUM BLENDING                         | 5798-NRF     |     | 195     |          |          |          |    | 12 GB30-0697 | SYSTEM/32                | 1 S H       |
| >BLUEPRINT       | 5110/5120 BLDR/REMOD ESTIM SYS           | 5793-AAB     |     | 5520    |          |          |          |    | 01 GB30-1520 | 5120 SYSTEM              | 1 S H       |
| BOARD            | CIRCUIT BOARD DESIGN SYSTEM - BASE       | 5796-BBL     |     | 2415    |          |          |          |    | G320-6431    | VM/CMS                   | 1 S E       |
| BOARD            | CIRCUIT BOARD DESIGN VERIFICATION SYSTEM | 5796-BBN     |     | 598     |          |          |          |    | G320-6431    | VM/CMS 5796-BBL          | 1 S E       |
| BOARD            | CIRCUIT BOARD DESIGN DATA STORAGE SYSTEM | 5796-DBP     |     | 598     |          |          |          |    | G320-6431    | VM/CMS 5796-BBL          | 1 S E       |
| BOLDFACE         | BOLDFACE PRINT PROGRAM FOR THE 3800      | 5798-CBR     |     | 145     |          |          |          |    | 12 GB21-1942 | OS/V52, OS/V52           | 1 S H       |
| BOND             | BOND QUOTE SYSTEM                        | 5796-AXY     |     | 185     |          |          |          |    | 12 G320-6172 | MVS/T50                  | 1 S H       |
| >BONE & JOINT    | S/34 ONLINE APPOINTMENT SYSTEM           | 5796-NZP     |     | 258     |          |          |          |    | 12 GB30-1440 | SYSTEM/34                | 1 S H       |
| >BOYCE MACHINERY | HVY EQUIP DLR PARTS OE/INV STAT          | 5796-NWZ     |     | 575     |          |          |          |    | 12 GB30-1322 | SERIES/1                 | 1 S H       |
| >BPI             | GENERAL ACCOUNTING BY BPI SYSTEMS INC    | 6024-026     |     | 425     |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >BRADS           | BRADS II GRAPH GENERATOR                 | 5721-DC8     |     | 632     |          |          |          |    | 01 GH30-2521 | 5120 SYSTEM              | 1 S C       |
| >BRADS           | BRADS II SPREAD SHEET GENERATOR          | 5721-XB7     |     | 58      |          |          |          |    | 12 GB30-1412 | 5120 SYSTEM              | 1 S C       |
| >BRADS           | BUSINESS REPORT/APPL DEV SYS             | 5798-NPL     |     | 58      |          |          |          |    | 12 GB30-1122 | 5120 SYSTEM              | 1 L H       |
| >BRADS II        | BUSINESS REPORT/APPL DEV SYS II          | 5798-NXT     |     | 98      |          |          |          |    | 12 GB30-1341 | 5120 SYSTEM              | 1 S H       |
| >BRADS II SCREEN | 5110/5120 BRADS II SCREEN DESIGN         | 5798-NZQ     |     | 345     |          |          |          |    | 01 GB30-1464 | 5120 SYSTEM              | 1 S H       |
| >BRADS III       | BUSINESS REPORT APPLICATION DEV SYST     | 5715-RG2     |     | 1145    |          |          |          |    | 01 SB30-2536 | SYS/23 DATAMASTER        | 1 I E       |
| >BRADS SPRD      | BRADS II SPREAD SHEET GENERATOR          | 5721-XB7     |     | 58      |          |          |          |    | 12 GB30-1412 | 5120 SYSTEM              | 1 S C       |
| >BRADSGRAPH      | BRADS II GRAPH GENERATOR                 | 5721-DC8     |     | 632     |          |          |          |    | 01 GH30-2521 | 5120 SYSTEM              | 1 S C       |
| BRAILLE          | BRAILLE UTILITIES                        | 5798-CRZ     |     | 130     |          |          |          |    | 12 GB21-2215 | DOS/VS, OS/VS, VM        | 1 I H       |
| BRIDGE           | CHAINED FILE DL/I BRIDGE                 | 5748-XX3     |     | 437     |          |          |          |    | GH12-5116    | DOS/VS, OS/VS            | 1 S B       |
| BRIDGE           | CICS/VS ISAM - DL/I BRIDGE               | 5798-DBH     |     | 160     |          |          |          |    | 12 GB21-2549 | DOS/VSE, OS/VS, DOS/VS   | 1 S H       |
| >BRIDGE          | FINANCIAL APPLICATIONS BRIDGE RETAIL     | 5726-XA7     |     | 150     |          |          |          |    | 24 GH30-0136 | SYSTEM/34                | 1 S E       |
| BRIDGE           | ISAM - DL/I BRIDGE                       | 5798-CYT     |     | 165     |          |          |          |    | 12 GB21-2396 | DOS/VS, DL/I             | 1 S H       |
| BRIDGE           | ISAM - IMS/DB BRIDGE                     | 5798-DBG     |     | 150     |          |          |          |    | 12 GB21-2547 | OS/VS                    | 1 S H       |
| BRIDGE           | QBE TO ADRS II BRIDGE FEATURE            | 5796-PLN/02  |     | 52      |          |          |          |    | G320-6097    | 6027-6028                | 1 I E       |
| >BROADCASTERS    | S/1 TEXT ENTRY & EDIT FACILITY           | 5798-RAR     | P   | 276     |          |          |          |    | 12 GB30-1470 | SERIES/1                 | 1 S H       |
| >BROKER          | FOX REAL ESTATE MANAGEMENT               | 5793-AAA     |     | 5520    |          |          |          |    | 01 GB30-1415 | 5120 SYSTEM              | 1 S H       |
| >BROKERS ACCTG   | INDEPENDENT AGENTS/BROKERS ACCTG         | 5796-NRJ     |     | 333     |          |          |          |    | 24 GB30-1209 | SYSTEM/32                | 1 S H       |
| BROWSE           | DPCX EMPLOYMENT SERVICE JOB BROWSE       | 5798-DCY     |     | 90      |          |          |          |    | 12 GB21-2659 | 8100/DPCX                | 1 S H       |
| >BSC             | S/1 COMM CONTROLLER FOR S/38             | 5798-ZZF     |     | 250     |          |          |          |    | 12 GB30-1579 | SERIES/1                 | 1 S H       |
| >BSC             | S/38 - S/1 COMMUNICATION UTILITY         | 5798-RDY     |     | 50      |          |          |          |    | 12 GB30-1579 | SYSTEM/38                | 1 S H       |
| BSC              | SWIFT BSC EP SUPPORT                     | 5799-AQT     |     | 86      |          |          |          |    | SC19-5017    | TCAM                     | 1 S A       |
| >BSC-CONTROL     | BSC-CONTROL PROGRAM SUPPORT              | 5799-TAF     | R   | 5       |          |          |          |    | 24 SC34-1553 | SERIES/1                 | 1 S C       |
| >BSCA            | BSCA SUPPORT FEATURE MOD 10 CARD         | 5701-RG1/02  |     | 44      |          |          |          |    | 01 SC21-7507 | 6000                     | 1 I C       |
| >BSCA            | BSCA SUPPORT FEATURE MOD 8/10 DISK       | 5702-RG1/02  |     | 53      |          |          |          |    | SC21-7507    | 6000/2                   | 1 S C       |
| >BSCA            | BSCA SUPPORT FEATURE MOD 6               | 5703-RG1/02  |     | 53      |          |          |          |    | 01 GC21-7507 | 6000/2                   | 1 S C       |
| BSEPP            | VM BASIC SYSTEM EXTENSIONS VM/BSE        | 5748-XX8     |     | 136     | 102      | 33       | 52       |    | GC20-1828    | VM                       | 2 S K       |
| BTAM             | BTAM SCP FOR BTAM-ES                     | 5747-CG1     |     |         |          |          |          |    |              | DOS/VSE                  | 0 S N       |
| BTAM-ES          | BTAM SCP FOR BTAM-ES                     | 5747-CG1     |     |         |          |          |          |    |              | DOS/VSE                  | 0 S N       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #    | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-----------------------------|-------------|
| BTAM-ES          | BTAM-ES FOR DOS/VSE                      | 5746-RC5     |     | 32      | 24       | 5        | 8        |            | GC38-0292 DOS/VSE , BTAM-ES | 1 S K       |
| >BTAM/SP         | BTAM/SYSTEM PRODUCT                      | 5665-279     |     | 4920    | 3690     | 10       | 16       | 01         | GC27-0599 MVS,MVS/XA        | 2 S K       |
| >BTAM/SYSTEM     | BTAM/SYSTEM PRODUCT                      | 5665-279     |     | 4920    | 3690     | 10       | 16       | 01         | GC27-0599 MVS,MVS/XA        | 2 S K       |
| BTAP             | BANK TELLER 3600 APPLICATION PROGRAM     | 5796-ARD     |     | 100     |          |          |          | 12         | G320-5761 3600              | 1 S H       |
| BTAP-CE          | BANK TELLER AP - COMMERCIAL EXTENSIONS   | 5796-AZX     |     | 120     |          |          |          | 12         | G320-6396                   | 1 S H       |
| BTP              | BATCH TRANSFER PROGRAM                   | 5744-CG1     |     |         |          |          |          |            | GC33-5901 OS/VS1            | 0 S C       |
| BTP              | BATCH TRANSFER PROGRAM                   | 5744-CG2     |     |         |          |          |          |            | GC33-5901 MVS               | 0 S C       |
| BTP              | BATCH TRANSFER PROGRAM                   | 5744-CH1     |     |         |          |          |          |            | GC33-5901 SVS               | 0 S C       |
| BTP              | BATCH TRANSFER PROGRAM                   | 5747-BW1     |     |         |          |          |          |            | GC33-5900 DOS/VS            | 0 S C       |
| BTP              | 3760 DYNAMIC BTP GENERATOR SYSTEM        | 5796-ANF     |     | 65      |          |          |          | 12         | G320-5724 OS/VS1,SVS,MVS    | 1 S H       |
| BTS II           | BATCH TERMINAL SIMULATOR II              | 5796-PGT     |     | 230     |          |          |          |            | G320-5686 IMS/VS V1R2       | 1 S E       |
| BTS TPNS         | BATCH TERMINAL - TP NETWORK SIMULATOR    | 5798-CXJ     |     | 110     |          |          |          | 12         | GB21-2328 TPNS BTS IMS/VS   | 1 I H       |
| >BUDGET          | APPROPRIATION ACCOUNTING                 | 5701-G22     |     | 151     |          |          |          |            | GH20-1049 SYSTEM/3          | 1 I C       |
| BUDGET           | EPIC BUDGET / FINANCE                    | 5735-E93     |     | 133     |          |          |          |            | GH20-1132 DOS/OS            | 1 I C       |
| >BUDGET          | MUNICIPAL BUDGETING & ACCTG SYS          | 5798-AEN     |     | 379     |          |          |          | 12         | GB21-0280 SYSTEM/3          | 1 S H       |
| BUDGET           | ONLINE BUDGET ACCOUNTING                 | 5796-ANC     |     | 325     |          |          |          | 12         | G320-5723 DOS/VS            | 1 I H       |
| >BUDGET & FORECA | S/34 G/L & FINAN ACCTG SYS               | 5798-RFW     |     | 150     |          |          |          | 12         | GB30-1673 SYSTEM/34         | 1 S H       |
| >BUDGET TRACKING | S/23 ESTIM & COST TRACKING SYS           | 5793-AAC     |     | 2995    |          |          |          | 01         | GB30-1758 SYS/23 DATAMASTER | 1 I H       |
| >BUDGET/FINANCE  | EPIC - BUDGET/FINANCE EDUCATION          | 5735-E93     |     | 152     |          |          |          |            | GH20-1132 SYSTEM/3          | 1 I B       |
| >BUDGETING       | ENHANCEMENTS TO PUB BUDG/FIN REP         | 5798-NKF     |     | 81      |          |          |          | 12         | GB30-0956 SYSTEM/3          | 1 S H       |
| >BUDGETING       | PUBLIC BUDGETING & ACCOUNTING APPL GOVT  | 5726-G21     |     | 323     | 242      |          |          |            | GH30-0229 SYSTEM/34         | 1 I D       |
| >BUDGETING       | PUBLIC BUDGETING & FINANCIAL REP         | 5798-NFC     |     | 379     |          |          |          | 12         | GB30-0956 SYSTEM/3          | 1 S H       |
| >BUFFER          | ACF/VTAM BUFFER SELECTION AID            | 5798-DHF     |     | 675     |          |          |          | 01         | GB21-2900                   | 1 S H       |
| >BUILDER         | 5110/5120 BLDR/REMOD ESTIM SYS           | 5793-AAB     |     | 5520    |          |          |          | 01         | GB30-1520 5120 SYSTEM       | 1 S H       |
| >BUILDERS        | 5110 HOME BLDRS MGMT SYS                 | 5796-ZAB     |     | 6900    |          |          |          | 01         | GB30-1521 5120 SYSTEM       | 1 S H       |
| >BUILDING        | S/34 WHOLESALE/RETAIL LUMBER             | 5796-RW      |     | 500     |          |          |          | 12         | GB30-1615 SYSTEM/34         | 1 S H       |
| BULK             | BULK DATA TRANSFER                       | 5796-PKK     |     | 60      |          |          |          | 24         | G320-6060 OS/V52            | 1 S H       |
| BURROUGHS        | BURROUGHS 2500 TO ANS COBOL CONVERSION   | 5798-APH     |     | 2215    |          |          |          | 01         | GB21-0836 DOS/OS            | 0 I H       |
| >BUS ASSIGNMENT  | STUDENT RECORD SYSTEM                    | 5796-AEN     |     | 204     |          |          |          | 12         | G320-8078 SYSTEM/3          | 1 I H       |
| >BUS MGMT        | ACCOUNTS PAYABLE MGMT INFO MULTI IND     | 5715-XX3     |     | 1025    |          |          |          | 01         | GB30-2744 SYS/23 DATAMASTER | 1 I E       |
| >BUS MGMT        | ACCOUNTS RECEIVABLE MGMT INFO MULTI IND  | 5715-XX4     |     | 1025    |          |          |          | 01         | GB30-2722 SYS/23 DATAMASTER | 1 I E       |
| >BUS MGMT        | BILLING MGMT INFO MULTI IND              | 5715-XX7     |     | 1025    |          |          |          | 01         | GB30-2700 SYS/23 DATAMASTER | 1 I E       |
| >BUS MGMT        | GENERAL LEDGER MGMT INFO MULTI IND       | 5715-XX2     |     | 1025    |          |          |          | 01         | GB30-2733 SYS/23 DATAMASTER | 1 I E       |
| >BUS MGMT        | INVENTORY ACCOUNTING MGMT INFO MULTI IND | 5715-XX6     |     | 1025    |          |          |          | 01         | GB30-2711 SYS/23 DATAMASTER | 1 I E       |
| >BUS MGMT        | PAYROLL MGMT INFO MULTI IND              | 5715-XX5     |     | 1025    |          |          |          | 01         | GB30-2755 SYS/23 DATAMASTER | 1 I E       |
| >BUSINESS        | ADRS II BUSINESS GRAPHICS FEATURE        | 5796-PLN/03  |     | 85      |          |          |          |            | G320-6668 VSAPL             | 1 I E       |
| >BUSINESS        | APPAREL BUSINESS CONTROL                 | 5701-D12     |     | 94      |          |          |          |            | GH20-0822 SYSTEM/3          | 1 I C       |
| BUSINESS         | APPAREL BUSINESS SYSTEM                  | 5796-AJG     |     | 1300    |          |          |          | 24         | G320-8152 DOS/VS,CICS/VS    | 1 S H       |
| >BUSINESS        | BUSINESS ANALYSIS/BASIC MOD 6            | 5703-XM3     |     | 70      |          |          |          |            | GH20-1175 SYSTEM/3          | 1 S C       |
| >BUSINESS        | BUSINESS REPORT APPLICATION DEV SYST     | 5715-RG2     |     | 1145    |          |          |          | 01         | SB30-2536 SYS/23 DATAMASTER | 1 I E       |

KEYWORDS - ALPHABETIC SEQUENCE

1-017

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| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >BUSINESS        | BUSINESS ANALYSIS -BASIC PROB SOLVER LIB | 5721-DC5     |     | 603     |          |          |          | 01         | GH30-0394 5120 SYSTEM          | 3 L C       |
| >BUSINESS        | BUSINESS ANAL/PROB SOLVER LIBRARY        | 5721-XM3     |     | 603     |          |          |          | 01         | G580-0042 5100 SYSTEM          | 3 L C       |
| BUSINESS         | BUSINESS ANALYSIS / BASIC                | 5734-XMB     |     | 60      |          |          |          |            | GH20-1175 VSPC,CMS             | 1 S C       |
| BUSINESS         | BUSINESS GRAPHING ON THE IBM 3800        | 5798-CRB     |     | 191     |          |          |          | 12         | GB21-2167 OS/V5                | 1 S H       |
| >BUSINESS DECISI | S/34 STRATEGIC PROFIT MODEL              | 5798-NZR     |     | 287     |          |          |          | 01         | GB30-1424 SYSTEM/34            | 1 S H       |
| >BUSINESS PLANNI | BUSINESS PLANNING SYSTEM                 | 5798-NPG     |     | 230     |          |          |          | 12         | GB30-1110 5120 SYSTEM          | 1 S H       |
| >BUSINESS REPORT | BUSINESS REPORT/APPL DEV SYS             | 5798-NPL     |     | 58      |          |          |          | 12         | GB30-1122 5120 SYSTEM          | 1 L H       |
| >BUSINESS REPORT | BUSINESS REPORT/APPL DEV SYS II          | 5798-NXT     |     | 98      |          |          |          | 12         | GB30-1341 5120 SYSTEM          | 1 S H       |
| CABINET          | FILE CABINET OPTION                      | 5798-CPY/01  |     | 600     |          |          |          | 24         | GB21-2103 OS/V52, JES2,TCAM    | 1 S H       |
| CABINET          | FILE CABINET OPTION WIDE SCREEN FEATURE  | 5798-CPY/02  |     | 250     |          |          |          | 24         | GB21-2103 6013-6014            | 1 S H       |
| CABINET          | FILE CABINET OPTION / VTAM               | 5798-DCG     |     | 637     |          |          |          | 24         | GB21-2604 MVS JES2, JES3       | 1 S H       |
| >CABLE SYSTEM    | S/34 CABLE TV O/L CUSTOMER SERV          | 5796-NZW     |     | 356     |          |          |          | 24         | GB30-1426 SYSTEM/34            | 1 S H       |
| CAD-ONLY         | CAD-ONLY INTERACTIVE MODULE              | 5796-ATA     | R   | 1310    | 747      |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CAD/CAM          | CAD/CAM INTERACTIVE MODULE               | 5796-ATB     | R   | 1510    | 862      |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| >CADAM           | CADAM (R) INSTALLATION PRODUCTIVITY AID  | 5798-DEX     |     | 1150    |          |          |          | 01         | GB21-2753 OS/V5,VM/CMS         | 1 S H       |
| CADAM            | SOFTCOPY - A CADAM (R) DRAWING VIEWER    | 5796-PNP     |     | 293     |          |          |          |            | G320-6388 MVS-TSO,VM/CMS,32776 | 1 S E       |
| CADAM (R)        | ACCOUNTING INFORMATION MODULE            | 5796-ATH     | R   | 59      | 33       |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CADAM (R)        | APT INTERFACE MODULE                     | 5796-ATE     | R   | 402     | 230      |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CADAM (R)        | CAD-ONLY INTERACTIVE MODULE              | 5796-ATA     | R   | 1310    | 747      |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CADAM (R)        | CAD/CAM INTERACTIVE MODULE               | 5796-ATB     | R   | 1510    | 862      |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CADAM (R)        | DATA MANAGEMENT MODULE                   | 5796-ATC     | R   | 584     | 333      |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CADAM (R)        | GEOMETRY INTERFACE MODULE                | 5796-ATJ     | R   | 342     | 195      |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CADAM (R)        | HARDCOPY MODULE                          | 5796-ATD     | R   | 493     | 281      |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CADAM (R)        | STATISTICAL DATA MODULE                  | 5796-ATG     | R   | 32      | 18       |          |          |            | G320-6063 OS/V5,VM/CMS         | 1 S E       |
| CADAM (R)        | TELECOMMUNICATIONS MODULE                | 5796-ATF     | R   | 351     | 201      |          |          |            | G320-6063 OS/V5                | 1 S E       |
| CADAM (R)        | 3D MESH GEOMETRY MODULE                  | 5796-AWR     | R   | 428     | 244      |          |          |            | G320-6063 OS/V5,VM/CMS         | 0 S H       |
| CADAM (R)        | 3D SURFACE GEOMETRY MODULE               | 5796-AWT     | R   | 201     | 115      |          |          |            | G320-6063 OS/V5,VM/CMS         | 0 S H       |
| >CAEDS (R)       | COMPUTER AIDED ENGINEERING DESIGN SYSTEM | 5796-BBZ     | T   | 865     |          |          |          |            | G320-6439 MVS/TSO,VM/CMS       | 1 S E       |
| >CAEDS (R)       | FINITE ELEMENT ANALYSIS                  | 5796-AZB     | T   | 1810    |          |          |          |            | G320-6439 MVS/TSO,VM/CMS       | 1 S E       |
| >CAEDS (R)       | FRAME ANALYSIS                           | 5796-AZA     | T   | 950     |          |          |          |            | G320-6439 MVS/TSO,VM/CMS       | 1 S E       |
| >CAFRS           | CLIENT ACCOUNT & FINANCIAL REPORTING SYS | 5726-C21     |     | 170     |          |          |          |            | GH30-0230 SYSTEM/34            | 1 I C       |
| >CAFRS CPA       | CLIENT ACCOUNTING & FINANCIAL REPORTING  | 5725-C21     | R   | 170     |          |          |          |            | GH30-0306 SYSTEM/32            | 1 I C       |
| >CAFRS II        | CLIENT ACCOUNT & FINANCIAL REPORT SYS II | 5726-C22     |     | 195     | 146      |          |          |            | GH30-0230 SYSTEM/34            | 1 I D       |
| CALCULATIONS     | COPICS PRODUCT COST CALCULATIONS II      | 5785-GBD     |     | 115     |          |          |          |            | GB21-2642 DOS/V5E OS/V5 DL/I   | 1 S E       |
| CALCULATOR       | INSTALLMENT LOAN CALCULATOR              | 5796-AGQ     |     | 265     |          |          |          | 12         | G320-8121 DOS/V5               | 1 S H       |
| CALCULATOR       | INSTALLMENT LOAN CALCULATOR              | 5796-AGR     |     | 265     |          |          |          | 12         | G320-8121 OS/V5                | 1 S H       |
| >CALENDAR MGMT   | S/34 CALENDAR MANAGEMENT SYSTEM          | 5798-NZB     |     | 316     |          |          |          | 12         | GB30-1401 SYSTEM/34            | 1 S H       |
| CALL/OS          | CALL/OS TO VSPC TRANSITION PROGRAM       | 5798-CQR     |     | 8300    |          |          |          | 01         | GB21-2151 OS/V5                | 0 I H       |
| >CAPACITY        | CAPACITY REQUIREMENTS PLANNING CRP MFG   | 5714-M4G     |     | 149     | 112      |          |          |            | GH30-0482 SYSTEM/38            | 1 I D       |
| >CAPACITY        | CAPACITY REQUIREMENTS PLANNING MFG CRP   | 5726-M4G     |     | 149     | 112      |          |          |            | GH30-0221 SYSTEM/34            | 1 I D       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MD   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| CAPACITY         | CAPACITY PLANNING AND OPERATIONS         | 5740-M41     |     | 625     |          |          |          |              | GH12-5119 OS/VS1,MVS     | 2 I B       |
| CAPACITY         | CAPACITY PLANNING AND OPERATIONS         | 5746-M41     |     | 625     |          |          |          |              | GH12-5119 DOS/VS         | 2 I B       |
| CAPACITY         | CAPACITY PLANNING EXTENDED               | 5798-CYM     |     | 143     |          |          |          |              | GB21-2391 OS/VS,5798-CPR | 1 I E       |
| CAPACITY         | DS/VS CAPACITY MANAGEMENT AID            | 5798-CJB     |     | 157     |          |          |          | 12 GB21-1834 | OS/VS1,VS2               | 1 S H       |
| >CAPACITY PLANNI | IPICS--CAPACITY PLANNING                 | 5798-NCY     |     | 172     |          |          |          | 12 GB30-0691 | SYSTEM/3                 | 1 I H       |
| CAPOSS-E         | CAPACITY PLANNING AND OPERATIONS         | 5740-M41     |     | 625     |          |          |          |              | GH12-5119 OS/VS1,MVS     | 2 I B       |
| CAPOSS-E         | CAPACITY PLANNING AND OPERATIONS         | 5746-M41     |     | 625     |          |          |          |              | GH12-5119 DOS/VS         | 2 I B       |
| CAPTURE          | DPPX DATA CAPTURE AND MANAGEMENT SYSTEM  | 5760-XR6     |     | 95      | 71       | 23       | 37       |              | GH20-2421 DPPX           | 1 S K       |
| CAPTURE          | 1419 PROOF OF DEPOSIT MICR CAPTURE       | 5798-DDC     |     | 300     |          |          |          | 12 GB21-2668 | DOS/VSE                  | 1 S H       |
| >CARD            | BSCA SUPPORT FEATURE MOD 10 CARD         | 5701-RG1/02  |     | 44      |          |          |          | 01 SC21-7507 | 6000                     | 1 I C       |
| >CARD            | CARD B/M AND REQUIREMENTS PLANNING MFG   | 5701-M42     |     | 82      |          |          |          |              | GH20-0770 SYSTEM/3       | 1 I C       |
| >CARD            | CARD RPG II MODEL 10 CARD                | 5701-RG1/01  |     | 43      |          |          |          |              | SC21-7518 SYSTEM/3       | 1 I C       |
| >CARD            | CARD RPG II MODEL 10 CARD                | 5701-RG1/01  |     | 43      |          |          |          |              | SC21-7518 SYSTEM/3       | 1 I C       |
| >CARD            | CARD UTILITIES - 15ABC                   | 5704-UT1     |     | 20      |          |          |          |              | SC21-7529 SYSTEM/3       | 1 S C       |
| >CARD            | CARD UTILITIES - 15D                     | 5704-UT3     |     | 29      |          |          |          |              | SC21-7529 SYSTEM/3       | 1 S A       |
| CARD             | CREDIT CARD SYSTEM - AUTHORIZATIONS      | 5796-AQQ     |     | 850     |          |          |          | 12 G320-6162 | CICS/VS DOS/VSE          | 1 S H       |
| >CARD            | DISK RESIDENT CARD UTILITIES MOD 8/10 D  | 5702-UT1     |     | 12      |          |          |          |              | SC21-7529 SYSTEM/3       | 1 S C       |
| >CARD            | DISK RESIDENT CARD UTILITIES MOD 12      | 5705-UT1     |     | 18      |          |          |          |              | GC21-7535 SYSTEM/3       | 1 S C       |
| >CARD            | MAGNETIC CARD CONVERSION                 | 5608-SR3     | Q   | 180     |          |          |          |              | G544-0851 DISPLAYWRITER  | Y S E       |
| >CARD            | SYSTEM CONTROL PROGRAM MOD 10 CARD       | 5701-SC1     |     |         |          |          |          |              | SY21-0513 SYSTEM/3       | 0 S C       |
| >CARD            | TAPE SUPPORT FEATURE MOD 10 CARD         | 5701-RG1/03  |     | 38      |          |          |          |              | GC21-5040 6004           | 1 I C       |
| >CARD            | TAPE SORT PROGRAM MOD 10 CARD            | 5701-SM1     |     | 87      |          |          |          |              | GC21-5040 SYSTEM/3       | 1 S C       |
| >CARD            | UTILITIES MOD 10 CARD                    | 5701-UT1     |     | 12      |          |          |          |              | SC21-7518 SYSTEM/3       | 1 S C       |
| >CARDFILE        | CARDFILE FACILITY                        | 5798-DJG     | P   | 100     |          |          |          | 12 GB21-2942 | DPCX                     | 1 S H       |
| >CARDLESS        | A/P FOR DIRECTLY ATTACHED 3741           | 5798-NDE     |     | 178     |          |          |          | 12 GB30-0706 | SYSTEM/3                 | 1 S H       |
| >CARDLESS        | DITTO FOR S3-8,10 W/DIR ATT 3741         | 5798-NCJ     |     | 81      |          |          |          | 12 GB30-0809 | SYSTEM/3                 | 1 I H       |
| >CARDLESS        | FIXED ASSET ACCTG/DIR ATT 3741           | 5798-NDH     |     | 161     |          |          |          | 12 GB30-0725 | SYSTEM/3                 | 1 S H       |
| >CARDLESS        | G/L FOR DIRECTLY ATTACHED 3741           | 5798-NDF     |     | 98      |          |          |          | 12 GB30-0719 | SYSTEM/3                 | 1 S H       |
| >CARDLESS        | INVENTORY FOR DIRECT ATT 3741            | 5798-NDP     |     | 75      |          |          |          | 12 GB30-0791 | SYSTEM/3                 | 1 S H       |
| >CARDLESS        | OPEN ITEM A/R FOR DIR ATT 3741           | 5798-NDL     |     | 120     |          |          |          | 12 GB30-0791 | SYSTEM/3                 | 1 S H       |
| >CARDLESS        | PAYROLL FOR DIRECTLY ATTACH 3741         | 5798-NDG     |     | 172     |          |          |          | 12 GB30-0722 | SYSTEM/3                 | 1 S H       |
| >CARDLESS        | POSTBILLING FOR DIR ATTACH 3741          | 5798-NDK     |     | 120     |          |          |          | 12 GB30-0791 | SYSTEM/3                 | 1 S H       |
| >CARDLESS        | QUERY FOR DIRECTLY ATTACH 3741           | 5798-NDJ     |     | 58      |          |          |          | 12 GB21-0770 | SYSTEM/3                 | 1 I H       |
| >CARDLESS        | S/A FOR DIRECTLY ATTACHED 3741           | 5798-NDN     |     | 69      |          |          |          | 12 GB30-0791 | SYSTEM/3                 | 1 S H       |
| >CARDLESS        | S/3 TO 3741 DATA TRANSFER                | 5798-AZZ     |     | 42      |          |          |          | 06 GB21-1207 | SYSTEM/3                 | 1 I H       |
| CAREER           | CAREER GUIDANCE SYSTEM: SECONDARY SCHOOL | 5796-AYB     |     | 250     |          |          |          | 24 G320-6176 | 5796-AYA                 | 1 S H       |
| CAREER           | CAREER GUIDANCE SYSTEM: ADULTS / COLLEGE | 5796-AYC     |     | 250     |          |          |          | 24 G320-6176 | 5796-AYA                 | 1 S H       |
| CAREER           | DISCOVER: CAREER GUIDANCE SYSTEM - BASE  | 5796-AYA     |     | 750     |          |          |          | 24 G320-6176 | DOS/VSE VS1              | 1 S H       |
| CARTRIDGE        | 3850 CARTRIDGE OFF-SITE STORAGE SYSTEM   | 5796-AWZ     |     | 180     |          |          |          | 12 G320-6166 | VS1                      | 1 S H       |
| >CAS             | CONTROLLED ACCESS SYSTEM - 1             | 5798-NQJ     | P   | 166     |          |          |          | 12 GB30-1175 | SERIES/1                 | 1 S H       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >CASH APPLICATIO | S/34 APPAREL BUS SYS - A/R               | 5796-RAD     |     | 287     |          |          |          | 12 GB30-1457 | SYSTEM/34                | 1 S H       |
| >CASH FLOW       | 5120 JOB SHOP SYS - A/R                  | 5796-RCE     |     | 132     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >CASH LETTERS    | PROOF OF DEPOSIT TRANSIT SYSTEM          | 5798-NMW     |     | 172     |          |          |          | 12 GB30-1141 | SYSTEM/34                | 1 S H       |
| CASHIER          | CASHIER ASSIGNMENT SYSTEM                | 5798-CKQ     |     | 250     |          |          |          | 12 GB21-1921 | DOS/V5                   | 1 I H       |
| CASHIER          | SUPERMARKET CASHIER PERFORMANCE SYSTEM   | 5796-BAE     |     | 180     |          |          |          | 12 G320-6407 | DOS/V5E                  | 1 S H       |
| >CASINO          | COMPLIMENTARY FOLIO ACCOUNTING           | 5798-NMC     |     | 517     |          |          |          | 12 GB30-1281 | SYSTEM/3                 | 1 S H       |
| >CASSETTE        | TYPING TUTOR (CASSETTE VER)              | 6024-018     |     | 25      |          |          |          | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| CATALOG          | MAINT ENGR: CATALOG INQUIRY PARTS ORDERS | 5796-ARQ     |     | 870     |          |          |          | 24 G320-6055 | OS/V52                   | 1 S H       |
| CATALOG          | VSAM CATALOG LIST DOS/V5                 | 5796-ALQ     |     | 70      |          |          |          | 12 G320-5716 | DOS/V5                   | 1 I H       |
| CATALOG          | VSAM CATALOG LIST OS                     | 5796-ALR     |     | 70      |          |          |          | 12 G320-5716 | OS/V51,SV5,MV5           | 1 I H       |
| >CATCH WEIGHT    | DMAS II BILLING ENH - FOOD DISTR         | 5798-NXY     |     | 207     |          |          |          | 12 GB30-1340 | SYSTEM/34                | 1 S H       |
| >CATIA (R)       | KINEMATICS                               | 5796-PQL     |     | 420     | 300      |          |          | G320-6650    | OS/V5                    | 1 S E       |
| >CATIA (R)       | POLYHEDRAL SOLID GEOMETRY                | 5796-PQJ     |     | 420     | 300      |          |          | G320-6650    | OS/V5                    | 1 S E       |
| >CATIA (R)       | SURFACE AND NC                           | 5796-PQH     |     | 840     | 500      |          |          | G320-6650    | OS/V5                    | 1 S E       |
| >CATIA (R)       | WIRE FRAME GEOMETRY                      | 5796-PQG     |     | 1420    | 1000     |          |          | G320-6650    | OS/V5                    | 1 S E       |
| CBAS BASE        | COMMERCIAL BANK SYSTEM BASE SUPPORT      | 5746-F60     |     | 475     |          |          |          | GH20-2497    | DOS/V5E AND CIF/V5       | 1 S B       |
| CBAS DDA         | COMMERCIAL BANK DEMAND DEPOSIT ACCOUNTNG | 5746-F61     |     | 365     |          |          |          | GH20-2497    | DOS/V5E AND CIF/V5       | 1 S B       |
| CBAS GNL         | COMMERCIAL BANK GENERAL LEDGER ACCOUNTNG | 5746-F64     |     | 235     |          |          |          | GH20-2497    | DOS/V5E AND CIF/V5       | 1 S B       |
| CBAS RVC         | COMMERCIAL BANK SYSTEM REVOLVING CREDIT  | 5746-F65     |     | 185     |          |          |          | GH20-2497    | DOS/V5E AND CIF/V5       | 1 S B       |
| CBAS SAV         | COMMERCIAL BANK SAVINGS ACCOUNTING       | 5746-F62     |     | 330     |          |          |          | GH20-2497    | DOS/V5E AND CIF/V5       | 1 S B       |
| CBAS TCD         | COMMERCIAL BANK TIME DEPOSIT CERTIFICATS | 5746-F63     |     | 255     |          |          |          | GH20-2497    | DOS/V5E AND CIF/V5       | 1 S B       |
| CCF              | VSE / CENTRAL CONTROL FACILITY           | 5798-DCZ     |     | 207     |          |          |          | GB21-2663    | DOS/V5E                  | 1 S E       |
| >CCP             | CCP DISK SORT MODEL 12                   | 5799-ATG     |     | 43      |          |          |          | SC21-7522    | SYSTEM/3                 | 1 S C       |
| >CCP             | CCP DISK SORT MODEL 15ABC                | 5799-ATH     |     | 43      |          |          |          | SC21-7522    | SYSTEM/3                 | 1 S C       |
| >CCP             | MODEL 15D TERMINAL PRINTING SYS          | 5798-NTZ     |     | 230     |          |          | 06       | GB30-1002    | SYSTEM/3                 | 1 S H       |
| >CCP             | O/L MED RECORDS SYS - 12/15/15D          | 5796-NRB     |     | 288     |          |          |          | 12 GB30-1198 | SYSTEM/3                 | 1 S H       |
| >CCP             | S/3 CCP TO S/38 CONVERSION               | 5714-CV7     |     | 2810    |          |          |          | 01 GC21-7772 | SYSTEM/38                | 0 S D       |
| CCP              | S/3 CCP TO CICS/V5 SCREEN CONVERSION AID | 5798-CQH     |     | 414     |          |          |          | 01 GB21-2128 | DOS/V5 DOS/V5E           | 0 I H       |
| >CCP SOURCE LIBR | CCP SOURCE LIBRARY MAINT SYS             | 5798-NDR     |     | 98      |          |          | 06       | GB30-0715    | SYSTEM/3                 | 1 S H       |
| >CCP/DISK        | CCP/DISK SORT MOD 6                      | 5703-SM2     |     | 17      |          |          |          | GC21-7522    | SYSTEM/3                 | 1 S C       |
| >CCP/DISK        | CCP/DISK SORT - 15D                      | 5704-SM7     |     | 29      |          |          |          | SC21-7522    | SYSTEM/3                 | 1 S A       |
| >CCP/DISK        | CCP/DISK SORT MODEL 8 & 10               | 5799-ATF     |     | 43      |          |          |          | SC21-7522    | SYSTEM/3                 | 1 S C       |
| CCW              | DOS/V5 CHAINED CCW PRINT SUBROUTINE      | 5796-ARH     |     | 350     |          |          | 01       | G320-5828    | DOS/V5                   | 1 S H       |
| CENTER           | ACTION CENTER SUPPORT SYSTEM DOS/V5      | 5796-ALY     |     | 175     |          |          | 24       | G320-5717    | DOS/V5,DOS/CICS/V5       | 1 I H       |
| CENTER           | ACTION CENTER SUPPORT SYSTEM OS/V5       | 5796-ALZ     |     | 175     |          |          | 24       | G320-5717    | OS/V5,OS/CICS/V5         | 1 I H       |
| CENTRAL          | VSE / CENTRAL CONTROL FACILITY           | 5798-DCZ     |     | 207     |          |          |          | GB21-2663    | DOS/V5E                  | 1 S E       |
| >CENTRAL CAROLIN | PUBLIC WHSE INVY CONTROL                 | 5796-NTN     |     | 276     |          |          |          | 12 GB30-1250 | SYSTEM/32                | 1 S H       |
| >CENTRAL RATE    | S/34 ONLINE FREIGHT BILL/RATE            | 5796-NZX     |     | 345     |          |          |          | 12 GB30-1461 | SYSTEM/34                | 1 S H       |
| >CENTRAL SITE    | S/34 CENTRAL SITE MAINTENANCE            | 5798-RBD     |     | 92      |          |          | 06       | GB30-1494    | SYSTEM/34                | 1 S H       |
| >CENTRAL TOLL    | S/1 CENTRAL TOLL DATA COLLEC             | 5798-NYG     |     | 185     |          |          |          | 12 GB30-1651 | SERIES/1                 | 1 S H       |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #      | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| CENTURY          | NCR CENTURY TO ANS COBOL CONVERSION AID  | 5798-APG     |     | 2105    |          |          |          | 01         | GB21-0839 DOS/OS              | 0 I H       |
| >CERTIFICATE     | CERTIFICATE OF DEPOSIT ACCTG             | 5798-AFR     |     | 220     |          |          |          | 12         | GB21-0381 SYSTEM/3            | 1 I H       |
| CFD II           | CONSOLIDATED FUNCTIONS ORDINARY VERS 2   | 5736-N13     |     | 380     |          |          |          |            | GH20-5006 OS/DOS              | 1 I C       |
| >CHAIN PHARMACY  | S/1 EDX CHAIN PHARMACY SYS               | 5798-RGD     | P   | 2200    |          |          |          | 01         | GB30-1699 SERIES/1            | 1 S H       |
| CHAINED          | CHAINED FILE DL/I BRIDGE                 | 5748-XX3     |     | 437     |          |          |          |            | GH12-5116 DOS/VS,OS/VS        | 1 S B       |
| >CHAINED         | CHAINED JOBS SCHEDULING                  | 5785-GAK     |     | 858     |          |          |          | 12         | GB21-2869 OS/VS1,OS/MVS JES2  | 1 S H       |
| CHAINED          | DOS/VS CHAINED CCW PRINT SUBROUTINE      | 5796-ARH     |     | 350     |          |          |          | 01         | G320-5828 DOS/VS              | 1 S H       |
| >CHAMPION        | CHAMPION DISTRIBUTED PROC SYSTEM         | 5796-NRD     | P   | 195     |          |          |          | 12         | GB30-1207 SERIES/1            | 1 S H       |
| CHANGE           | CHANGE MANAGEMENT TRACKING               | 5740-DC1     |     | 440     |          |          |          |            | GH19-6028 OS/VS               | 1 S C       |
| CHANGE           | CHANGE TRACKER                           | 5740-DC4     |     | 165     |          |          |          |            | GH19-6028 OS/VS               | 1 S C       |
| >CHANNEL         | CHANNEL CONNECTED SYSTEMS                | 5799-WNK     |     |         |          |          |          |            | GC21-5199 SYSTEM/3            | 0 S B       |
| CHANNEL          | EDX SYSTEM/370 CHANNEL ATTACHMENT        | 5719-CX1     | R   | 76      |          |          |          |            | SC34-1701 SERIES/1            | 1 S E       |
| >CHANNEL         | SYSTEM/370 CHANNEL ATTACHMENT            | 5719-CA1     | R   | 26      |          |          |          |            | GC34-0217 SERIES/1            | 1 S C       |
| CHARACTER        | 3800 CHARACTER EXTENSIONS                | 5798-CZG     |     | 300     |          |          |          | 01         | GB21-2429 OS/VS DOS/VS        | 0 S H       |
| CHARACTER        | 3800 INTERACTIVE CHARACTER DESIGN: ATMS  | 5798-CRK     |     | 165     |          |          |          | 12         | GB21-2191 OS/VS, ATMS-II      | 1 I H       |
| CHARACTER        | 3800 INTERACTIVE CHARACTER DESIGN: VM/CM | 5798-CTH     |     | 165     |          |          |          | 12         | GB21-2191                     | 1 I H       |
| CHARACTER        | 3800 INTERACTIVE CHARACTER DESIGN: TSO   | 5798-CTJ     |     | 165     |          |          |          | 12         | GB21-2191                     | 1 I H       |
| CHARGE-BACK      | POWER/VS CHARGE-BACK SYSTEM              | 5796-AQJ     |     | 100     |          |          |          | 12         | G320-5809 DOS/VS              | 1 S H       |
| CHECK            | CHECK PROCESSING CONTROL SYSTEM          | 5734-F11/01  |     | 1265    |          |          |          |            | GH20-1008 OS/MFT/MVT/VS       | 2 I B       |
| CHECK            | CHECK REPORTS                            | 5748-F13     |     | 402     |          |          |          |            | GH20-2136 OS/VS, DOS/VS       | 1 I B       |
| CHECK            | CHECK PROCESSING EXECUTIVE / 3694        | 5748-F53     |     | 52      |          |          |          |            | GH20-2444 5748-F54            | 1 S B       |
| >CHECK           | CHECK PROCESSING EXECUTIVE (CHX/3694)    | 5748-F53     |     | 45      |          |          |          |            | GH20-2444 36/4700             | 1 S B       |
| CHECK            | CHECK PROCESSING EXECUTIVE / VS          | 5748-F54     |     | 276     |          |          |          |            | GH20-2444 OS/VS, DOS/VSE VTAM | 1 S B       |
| CHECK            | CHECK PROCESSING ARCHIVE RETRIEVAL       | 5798-CHH     |     | 900     |          |          |          | 12         | GB21-1789 OS/VS1, OS/VS2      | 1 I H       |
| CHECK            | CHECK PROCESSING ARCHIVE / RETRIEVAL     | 5798-CNW     |     | 325     |          |          |          | 12         | GB21-2041 OS/VS CICS/VS       | 1 S H       |
| CHECK            | ROUTING - TRANSIT CHECK DIGIT            | 5798-CXD     |     | 300     |          |          |          | 01         | GB21-2317 DOS/VS OS/VS        | 0 S H       |
| >CHECK PROCESSIN | S/34 ONLINE REJECT RE-ENTRY              | 5798-NZY     |     | 46      |          |          |          | 12         | GB30-1445 SYSTEM/34           | 1 S H       |
| >CHECK PROCESSIN | S/34 ONLINE ACCTS PAYABLE                | 5798-RFT     |     | 175     |          |          |          | 12         | GB30-1670 SYSTEM/34           | 1 S H       |
| >CHECK PROCESSIN | 3694 TABLE PREP FACILITY                 | 5798-RFK     |     | 100     |          |          |          | 12         | GB30-1645 SYSTEM/34           | 1 S H       |
| >CHECK RECONCILI | S/23 CONSTR INFO - ACCTS PAYABLE         | 5796-ZAR     |     | 1650    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER   | 1 I H       |
| >CHECK RECONCILI | 5120 CONSTRUCT INFO SYS - A/P            | 5796-ZAD     |     | 2365    |          |          |          | 01         | GB30-1534 5120 SYSTEM         | 1 S H       |
| >CHECK WRITING   | S/23 JOB SHOP CONTROL - A/P              | 5796-ZAJ     |     | 1200    |          |          |          | 01         | GB30-1714 SYS/23 DATAMASTER   | 1 I H       |
| >CHECKING        | S/34 APPLIC SUPPORT FOR 3624 CTF         | 5798-RDP     |     | 800     |          |          |          | 12         | GB30-1626 SYSTEM/34           | 1 S H       |
| CHECKOUT         | 05 PL/I CHECKOUT COMPILER                | 5734-PL2     |     | 538     | 403      | 5        | 8        |            | GC33-0003 OS/MFT/MVT/VS/CMS   | 1 S K       |
| >CHILDRENS HOSPI | PATIENT ORDER MGMT/COMM SYS              | 5796-NRA     |     | 805     |          |          |          | 12         | GB30-1165 SYSTEM/3            | 1 S H       |
| CHX/GS           | 3694 ALLTIMES FILE TRANS FACIL           | 5798-RFJ     |     | 100     |          |          |          | 12         | GB30-1645 SYSTEM/34           | 1 S H       |
| CHX/GS           | 3694 DOCUMENT CTL SECTION EDIT           | 5798-RFL     |     | 100     |          |          |          | 12         | GB30-1645 SYSTEM/34           | 1 S H       |
| >CHX/GS          | 3694 TABLE PREP FACILITY                 | 5798-RFK     |     | 100     |          |          |          | 12         | GB30-1645 SYSTEM/34           | 1 S H       |
| >CHX/3694        | CHECK PROCESSING EXECUTIVE (CHX/3694)    | 5748-F53     |     | 45      |          |          |          |            | GH20-2444 36/4700             | 1 S B       |
| CICS             | CICS PERFORMANCE ANALYZER II             | 5798-CFP     |     | 68      |          |          |          |            | GB21-1862 DOS/VS, OS/VS       | 1 S E       |

KEYWORDS - ALPHABETIC SEQUENCE

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CODES EXPLAINED ON PAGE XI

| KEYWORD     | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| CICS        | CICS PERFORMANCE ANALYSIS REPORTING       | 5798-DAB     |     | 69      |          |          |          |    | GB21-2494    | OS/VS, DOS/VSE           | 1 S E       |
| CICS        | CICS 3270 SIMULATOR                       | 5798-AXC     |     | 65      |          |          |          | 12 | GB21-1035    | CICS/OS/DOS/VS           | 1 S H       |
| CICS        | CPU CONSOLE AS CICS MASTER TERMINAL       | 5798-ANK     |     | 60      |          |          |          | 12 | GB21-0800    | OS/DDS CICS              | 1 S H       |
| CICS        | CUSTOMER INFORMATION CONTROL SYSTEM       | 5734-XX7     |     | 823     |          |          |          |    | GH20-1028    | OS                       | 2 S C       |
| CICS        | DBOMP CICS FEATURE                        | 5736-XX4/02  |     | 85      |          |          |          |    | GH20-4446    | 6024-6028                | 2 S C       |
| CICS        | DBOMP CICS / DASF FEATURE                 | 5736-XX4/03  |     | 105     |          |          |          |    | GH20-4621    | 6041-6046                | 2 S C       |
| CICS        | DEVELOPMENT MANAGEMENT SYSTEM / CICS      | 5740-XC5/01  |     | 269     | 201      | 40       | 64       |    | GH20-2195    | CICS/VS/OS               | 1 S K       |
| CICS        | DEVELOPMENT MANAGEMENT SYSTEM / CICS      | 5746-XC4/01  |     | 139     | 104      | 40       | 64       |    | GH20-2195    | CICS/VS DOS              | 1 S K       |
| CICS        | FINANCIAL PLANNING SYSTEM - CICS / VSPC   | 5798-DBA     |     | 300     |          |          |          | 12 | GB21-2538    | VSAFL W/ CICS, VSPC      | 1 S H       |
| CICS        | ONLINE LIST MAINTENANCE SYS. CICS         | 5796-AJH     |     | 450     |          |          |          | 12 | G320-8117    | DOS/VS                   | 1 S H       |
| >CICS       | PRINT SPOOLING SYSTEM FOR CICS            | 5785-DCW     |     | 255     |          |          |          | 12 | GB21-2970    | VSE, OS/VS, CICS/VS      | 1 S H       |
| CICS        | SCREEN DEFINITION FACILITY / CICS         | 5740-XYF     |     | 278     | 208      | 44       | 70       |    | GH19-6087    | OS/VS                    | 1 S K       |
| CICS        | SCREEN DEFINITION FACILITY / CICS         | 5746-XYT     |     | 221     | 165      | 44       | 70       |    | GH19-6087    | DOS/VSE                  | 1 S K       |
| CICS        | VIDEO/370 CICS FEATURE OS                 | 5734-RC5/02  |     | 81      |          |          |          |    | GC28-8313    | 6085-6087                | 1 S C       |
| CICS        | VIDEO/370 CICS FEATURE DDS                | 5736-RC3/02  |     | 61      | 45       | 19       | 31       |    | GC28-8313    | 6038-6040                | 0 S C       |
| CICS        | VSE SYSTEM IPD/E CICS INSTALLATION AID    | 5798-DFB     |     | 615     |          |          |          | 01 | GB21-2778    | DOS/VSE CICS ICCF        | 0 S H       |
| CICS ENTRY  | CUSTOMER INFORMATION CONTROL SYSTEM       | 5736-XX6     |     | 235     |          |          |          |    | GH20-1028    | DOS                      | 2 S C       |
| CICS STAND  | CUSTOMER INFORMATION CONTROL SYSTEM       | 5736-XX7     |     | 588     |          |          |          |    | GH20-1028    | DOS                      | 2 S C       |
| CICS/DDS/VS | CICS/DDS/VS FASTER LANGUAGE FACILITY      | 5746-XX3/02  |     | 113     |          |          |          |    | GH20-1502    | 6019-6024                | 2 S C       |
| CICS/DDS/VS | IIS CICS/DDS/VS FEATURE                   | 5748-XX6/02  |     |         |          |          |          |    | GH20-1895    | 6016-6017                | 2 S B       |
| CICS/OS/VS  | CICS/OS/VS FASTER LANGUAGE FACILITY FEAT  | 5740-XX1/02  |     | 113     |          |          |          |    | GH20-1502    | 6021-6023                | 0 S C       |
| CICS/VS     | CICS/VS ONLINE TEST DEBUG II              | 5796-AHJ     |     | 86      |          |          |          |    | G320-5710    | DOS/VS, OS/VS            | 1 S E       |
| CICS/VS     | CICS/VS ONLINE PROMPTING FACILITY         | 5796-AHQ     |     | 170     |          |          |          | 12 | G320-6158    | CICS/VS                  | 1 S H       |
| >CICS/VS    | CICS/VS APPLICATION DEVELOPMENT STRUCTUR  | 5796-BAJ     |     | 725     |          |          |          | 12 | G320-6409    | CICS/OS/VS               | 1 S H       |
| CICS/VS     | CICS/VS DATA-SET RECOVERY FACILITY        | 5798-CJF     |     | 56      |          |          |          | 12 | GB21-1837    | OS/VS, DOS/VS            | 1 S H       |
| CICS/VS     | CICS/VS DUMP READING PROGRAM              | 5798-CJX     |     | 100     |          |          |          | 12 | GB21-1874    | OS/VS                    | 1 S H       |
| CICS/VS     | CICS/VS FORMATTED TRANSACTION DUMP ONLINE | 5798-CQY     |     | 180     |          |          |          | 12 | GB21-2156    | V51, DOS/VS, CICS/VS     | 1 S H       |
| CICS/VS     | CICS/VS ISAM - DL/I BRIDGE                | 5798-DBH     |     | 160     |          |          |          | 12 | GB21-2549    | DOS/VSE, OS/VS, DOS/VS   | 1 S H       |
| CICS/VS     | CICS/VS OPERATIONS SUPPORT PACKAGE        | 5798-DBJ     |     | 40      |          |          |          | 12 | GB21-2554    | DOS/VSE, DOS, VS, OS/VS  | 1 S H       |
| CICS/VS     | CICS/VS AUTOMATED EVENT CONTROL           | 5798-DBQ     |     | 55      |          |          |          | 12 | GB21-2561    | CICS/VS                  | 1 S H       |
| >CICS/VS    | CICS/VS COMMAND LEVEL PROGRAMMING COURSE  | 5798-DCX     |     | 1290    |          |          |          | 01 | GB21-2628    | IIS, IIPS                | 1 L H       |
| >CICS/VS    | CICS/VS ONLINE DATASET RECOVERY FACILITY  | 5798-DHL     |     | 670     |          |          |          | 01 | GB21-2911    | CICS/DOS NON-DL/I        | 1 S H       |
| CICS/VS     | CUSTOMER INFORMATION CONTROL SYSTEM       | 5740-XX1     |     | 1425    | 1065     | 116      | 186      |    | GC33-0066    | OS/VS                    | 2 S K       |
| CICS/VS     | CUSTOMER INFORMATION CONTROL SYSTEM       | 5746-XX3/01  |     | 450     | 337      | 116      | 186      |    | GC33-0066    | DOS/VSE                  | 2 S K       |
| CICS/VS     | DL/I - CICS/VS TEST PROG. STATE INDUST.   | 5796-ARN     |     | 85      |          |          |          | 12 | G320-6053    | DOS/VS                   | 1 S H       |
| CICS/VS     | GRAPHICAL DISPLAYS - CICS/VS              | 5798-CPJ     |     | 115     |          |          |          | 12 | GB21-2076    | DOS/VS OS/VS             | 1 S H       |
| CICS/VS     | S/3 CCP TO CICS/VS SCREEN CONVERSION AID  | 5798-CQH     |     | 414     |          |          |          | 01 | GB21-2128    | DOS/VS DOS/VSE           | 0 I H       |
| >CICS/VS    | 3640 CICS/VS EXTENSIONS - 4331 LOOPS      | 5799-BEH     |     | 61      | 45       | 6        | 10       |    |              | DOS/VSE, OS/VS1          | 1 S K       |
| CICS/VS     | 3760 BATCH DATA TRANSFER UNDER CICS/VS    | 5798-CQB     |     | 175     |          |          |          | 12 | GB21-2112    | EXTM, TCAM, VTAM         | 1 S H       |
| CICSPARS    | CICS PERFORMANCE ANALYSIS REPORTING       | 5798-DAB     |     | 69      |          |          |          |    | GB21-2494    | OS/VS, DOS/VSE           | 1 S E       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| CID              | COBOL INTERACTIVE DEBUG TRAINING         | 5798-CKX     |     | 160     |          |          |          |    | 12 GB21-1930 | IIS,IIPS                 | 1 L H       |
| >CIF             | CUSTOMER INFORMATION FILE BANKING        | 5725-F11     |     | 101     |          |          |          |    | GH30-0358    | SYSTEM/32                | 1 I C       |
| >CIF             | CUSTOMER INFORMATION FILE BANKING        | 5726-F11     |     | 167     |          |          |          |    | G360-0050    | SYSTEM/34                | 1 I D       |
| >CIF             | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NED     |     | 373     |          |          |          |    | 12 GB30-0763 | SYSTEM/3                 | 1 I H       |
| CIF/VS           | CUSTOMER INFORMATION FACILITY            | 5740-XYB     |     | 2150    |          |          |          |    | GH20-2018    | IMS/VS                   | 2 S B       |
| CIF/VS           | CUSTOMER INFORMATION FACILITY            | 5740-XYC     |     | 1910    |          |          |          |    | GH20-2018    | CICS/DS/VS               | 2 S B       |
| CIF/VS           | CUSTOMER INFORMATION FACILITY            | 5746-XXS     |     | 974     |          |          |          |    | GH20-2018    | CICS/DS/VS               | 2 S B       |
| CIM              | DMS/3790 INTERFACE MONITOR               | 5748-XC2/02  |     | 242     |          |          |          |    | GH20-2002    | 6032-6034                | 1 S C       |
| >CIPREC          | CIPREC EXTENDED FUNCTION PACKAGE         | 5740-XC3/02  |     | 371     |          |          |          |    | GH19-1150    |                          | 2 S B       |
| >CIPREC          | CIPREC EXTENDED FUNCTION PACKAGE         | 5740-XC3/02  |     | 371     |          |          |          |    | GH19-1150    |                          | 2 S B       |
| >CIPREC          | CIPREC EXTENDED FUNCTION PACKAGE         | 5746-XC3/02  |     | 316     |          |          |          |    | GH19-1150    |                          | 2 S B       |
| >CIPREC          | CONVERSATIONAL PROJECT EVAL & CONTROL    | 5740-XC3/01  |     | 710     |          |          |          |    | GH19-1150    | DS/VS,VM/CMS             | 2 S B       |
| >CIPREC          | CONVERSATIONAL PROJECT EVAL & CONTROL    | 5746-XC3/01  |     | 604     |          |          |          |    | GH19-1150    | DOS/VSE                  | 2 S B       |
| CIRCUIT          | CIRCUIT BOARD DESIGN SYSTEM - BASE       | 5796-BBL     |     | 2415    |          |          |          |    | G320-6431    | VM/CMS                   | 1 S E       |
| CIRCUIT          | CIRCUIT BOARD DESIGN VERIFICATION SYSTEM | 5796-BBN     |     | 598     |          |          |          |    | G320-6431    | VM/CMS 5796-BBL          | 1 S E       |
| CIRCUIT          | CIRCUIT BOARD DESIGN DATA STORAGE SYSTEM | 5796-BBP     |     | 598     |          |          |          |    | G320-6431    | VM/CMS 5796-BBL          | 1 S E       |
| CIRCUIT          | INTERACTIVE CIRCUIT DESIGN               | 5796-PLR     |     | 862     |          |          |          | 24 | G320-6164    | VSAPL, APLSV             | 1 S H       |
| CIRCULATION      | ONLINE NEWSPAPER CIRCULATION SYSTEM      | 5796-ANP     |     | 1500    |          |          |          |    | 12 G320-5726 | CICS/DS/VS               | 1 S H       |
| CIRCULATION      | ONLINE NEWSPAPER CIRCULATION SYSTEM      | 5796-ANQ     |     | 1500    |          |          |          |    | 12 G320-5726 | CICS/DS/VS               | 1 S H       |
| CIRCULATION      | ONLINE LIBRARY CIRCULATION SYSTEM        | 5796-APA     |     | 200     |          |          |          | 24 | G320-5760    | DOS/VS,CICS/VS           | 1 S H       |
| >CIRCULATION     | S/32 ADVERT A/R & CIRCULATION            | 5796-NWG     |     | 603     |          |          |          |    | 12 GB30-1297 | SYSTEM/32                | 1 S H       |
| >CIRCULATION     | S/34 ADVERT A/R & CIRCULATION            | 5796-NXN     |     | 603     |          |          |          |    | 12 GB30-1297 | SYSTEM/34                | 1 S H       |
| CIS ADS          | CUSTOMER INFORMATION SYSTEM DESIGN SVC   | 5712-AAA/01  |     | 2055    |          |          |          |    | 12 GE20-0441 |                          | 0 S         |
| CIS ADS          | CUSTOMER INFORMATION SYSTEM DESIGN SVC   | 5712-AAA/02  |     | 363     |          |          |          |    | 12 GE20-0441 | 9096                     | 0 S         |
| >CITATION        | MOVING AND PARKING CITATION ACCOUNTING   | 5701-G23     |     | 151     |          |          |          |    | GH20-1084    | SYSTEM/3                 | 1 I C       |
| >CJSP            | S/1 COMMUNICATING JOB STREAM             | 5798-RFC     |     | 650     |          |          |          | 01 | GB30-1628    | SERIES/1                 | 1 S H       |
| >CLARKES GOOD    | RETAIL MERCHANDISING SYSTEM              | 5796-NPA     |     | 391     |          |          |          |    | 12 GB30-1081 | SYSTEM/32                | 1 S H       |
| >CLARKES GOOD    | RETAIL CREDIT SYSTEM                     | 5796-NQY     |     | 460     |          |          |          |    | 12 GB30-1194 | SYSTEM/32                | 1 S H       |
| >CLARKES GOOD    | RETAIL VENDOR ACCTS PAY SYSTEM           | 5796-NTD     |     | 115     |          |          |          |    | 12 GB30-0771 | SYSTEM/32                | 1 S H       |
| >CLASSES         | S/34 INTERACTIVE STUDENT RECORDS         | 5798-NWF     |     | 172     |          |          |          |    | 12 GB30-1300 | SYSTEM/34                | 1 I H       |
| >CLEAN AIR ACT   | S/1 AIR QUALITY MONITORING SYS           | 5798-RDQ     |     | 560     |          |          |          |    | 12 GB30-1591 | SERIES/1                 | 1 S H       |
| >CLIENT          | CLIENT ACCOUNTING & FINANCIAL REPORTING  | 5725-C21     | R   | 170     |          |          |          |    | GH30-0306    | SYSTEM/32                | 1 I C       |
| >CLIENT          | CLIENT ACCOUNT & FINANCIAL REPORTING SYS | 5726-C21     |     | 170     |          |          |          |    | GH30-0230    | SYSTEM/34                | 1 I C       |
| >CLIENT          | CLIENT ACCOUNT & FINANCIAL REPORT SYS II | 5726-C22     |     | 195     | 146      |          |          |    | GH30-0230    | SYSTEM/34                | 1 I D       |
| >CLIENT          | SYSTEM/23 CLIENT ACCOUNTING CPA          | 5715-CA1     |     | 2050    |          |          |          | 01 | GB30-2796    | SYS/23 DATAMASTER        | 1 I E       |
| >CLIENT ACCOUNTI | COMPUTING FOR AN ACCTG PRACTICE          | 5798-NRE     |     | 166     |          |          |          |    | 12 GB30-1205 | 5120 SYSTEM              | 1 S H       |
| >CLIENTS         | S/1 CLIENT/PROSPECT FILE INSUR           | 5798-RGE     |     | 1100    |          |          |          | 01 | GB30-1745    | SERIES/1                 | 1 S H       |
| >CLINICS         | MEDICAL GROUP MGMT SYSTEM II CLINICS     | 5726-H16     |     | 260     | 195      |          |          |    | GH30-0228    | SYSTEM/34                | 1 I D       |
| >CMAS            | ACCOUNTS PAYABLE CONSTRUCTION            | 5725-M62     |     | 64      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >CMAS            | ACCOUNTS PAYABLE CONSTRUCTION            | 5726-M62     |     | 64      |          |          |          |    | GH30-0707    | SYSTEM/34                | 1 I C       |

| KEYWORD  | PROGRAM INFORMATION                      | ORDER NUMBER  | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|----------|--|---------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >CMAS    | GENERAL LEDGER CONSTRUCTION              | 5725-M64      |     | 51      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >CMAS    | GENERAL LEDGER CONSTRUCTION              | 5726-M64      |     | 51      |          |          |          |    | GH30-0707    | SYSTEM/34                | 1 I C       |
| >CMAS    | JOB COSTING CONSTRUCTION                 | 5725-M61      |     | 51      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >CMAS    | JOB COSTING CONSTRUCTION                 | 5726-M61      |     | 51      |          |          |          |    | GH30-0707    | SYSTEM/34                | 1 I C       |
| >CMAS    | PAYROLL CONSTRUCTION                     | 5725-M63      |     | 89      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >CMAS    | PAYROLL CONSTRUCTION                     | 5726-M63      |     | 89      |          |          |          |    | GH30-0707    | SYSTEM/34                | 1 I C       |
| >CMAS/34 | ACCOUNTS PAYABLE CONSTRUCTION            | 5726-M68/01   |     | 85      | 64       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D       |
| >CMAS/34 | COMMITTED COST/COST HISTORY FEATURE CONS | 5726-M68/02   |     | 45      | 34       |          |          |    | GH30-0707    | SYS/34,6021              | 1 I D       |
| >CMAS/34 | GENERAL LEDGER CONSTRUCTION              | 5726-M67      |     | 63      | 47       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D       |
| >CMAS/34 | JOB COSTING CONSTRUCTION                 | 5726-M66      |     | 63      | 47       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D       |
| >CMAS/34 | PAYROLL AND LABOR COSTING CONSTRUCTION   | 5726-M69      |     | 113     | 85       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D       |
| >CMAS/34 | REVENUE ACCOUNTING CONSTRUCTION A/R      | 5726-M6A      |     | 99      | 74       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D       |
| >CMAS/34 | 5280 CONSTR DATA ENTRY/EDIT              | 5798-RBZ      |     | 50      |          |          |          | 12 | GB30-1516    | 5280 DATA SYSTEM         | 1 S H       |
| >CMD     | RPS VER 4 (WITH CMD LANGUAGE FACILITY)   | 5719-PC4/01 R |     | 62      |          |          |          |    | GC34-0202    | SERIES/1                 | 1 S C       |
| >CMD     | RPS VER 4 (WITHOUT CMD LANG FACILITY)    | 5719-PC4/02 R |     | 48      |          |          |          |    | GC34-0202    | SERIES/1                 | 1 S C       |
| >CMD     | RPS VER 5 (WITH CMD LANGUAGE FACILITY)   | 5719-PC5/01 R |     | 126     |          |          |          |    | GC34-0351    | SERIES/1                 | 1 S E       |
| >CMD     | RPS VER 5 (WITHOUT CMD LANG FACILITY)    | 5719-PC5/02 R |     | 108     |          |          |          |    | GC34-0351    | SERIES/1                 | 1 S E       |
| CMS      | ASSEMBLER H CMS INTERFACE                | 5796-PEJ      |     | 136     |          |          |          | 12 | G320-5541    | VM/CMS                   | 1 S H       |
| CMS      | AUTOCODER TO COBOL CONVERSION WITH CMS   | 5798-CHH      |     | 1120    |          |          |          | 01 | GB21-2022    | VM/CMS                   | 0 I H       |
| CMS      | CMS EXEC ENHANCEMENTS                    | 5796-PJA      |     | 140     |          |          |          | 12 | G320-5728    | VM/CMS                   | 1 I H       |
| CMS      | CMS FUNDAMENTALS                         | 5798-DBB      |     | 200     |          |          |          | 12 | GB21-2532    | IIS,IIPS                 | 1 L H       |
| >CMS     | CMS FUNDAMENTALS II                      | 5798-DGJ      | P   | 120     |          |          |          | 12 | GB21-2855    | IIS,IIPS                 | 1 L H       |
| CMS      | CMS HOST DEVELOPMENT, TESTING 8100 COBOL | 5785-DCG      |     | 3500    |          |          |          | 01 | GB21-2572    | VM/CMS                   | 1 S H       |
| CMS      | CMS SORT FOR VM/CMS                      | 5798-BDW/01   |     | 78      |          |          |          | 12 | GB21-1376    | VM/CMS                   | 1 S H       |
| CMS      | CMS SORT EXTENSIONS                      | 5798-BDW/02   |     | 30      |          |          |          | 12 | GB21-1376    | 9564-9565                | 1 S H       |
| CMS      | DCF FOREGROUND: CMS TSO ATMS III         | 5748-XX9/02   |     | 53      |          |          |          |    | GH20-9158    | 6043-4,6072-3,6076-7     | 1 S L       |
| CMS      | DISPLAY MANAGEMENT SYSTEM / CMS          | 5748-XXB      |     | 30      | 22       | 7        | 1        |    | GC24-5197    | VM/BSE/SE/SP             | 1 S K       |
| CMS      | DISPLAY EDITING SYSTEM FOR CMS - DES     | 5796-PJP      |     | 60      |          |          |          |    | G320-5762    | VM/CMS                   | 1 S E       |
| CMS      | IIS CMS FEATURE                          | 5748-XX6/05   |     |         |          |          |          |    | GH20-1895    | 6022-6023                | 2 S B       |
| CMS1     | CMS FUNDAMENTALS                         | 5798-DBB      |     | 200     |          |          |          | 12 | GB21-2532    | IIS,IIPS                 | 1 L H       |
| CMT      | CHANGE MANAGEMENT TRACKING               | 5740-DC1      |     | 440     |          |          |          |    | GH19-6028    | DS/V5                    | 1 S C       |
| >COBOL   | ANS COBOL - 15ABC                        | 5704-CB1      |     | 121     |          |          |          |    | GC28-6452    | SYSTEM/3                 | 1 S C       |
| >COBOL   | ANS COBOL - 15D                          | 5704-CB2      |     | 192     |          |          |          |    | GC21-7571    | SYSTEM/3                 | 1 S A       |
| >COBOL   | ANS COBOL MOD 12                         | 5705-CB1      |     | 102     |          |          |          |    | GC28-6462    | SYSTEM/3                 | 1 S C       |
| COBOL    | AUTOCODER TO COBOL CONVERSION WITH CMS   | 5798-CHH      |     | 1120    |          |          |          | 01 | GB21-2022    | VM/CMS                   | 0 I H       |
| COBOL    | BURROUGHS 2500 TO ANS COBOL CONVERSION   | 5798-APH      |     | 2215    |          |          |          | 01 | GB21-0836    | DOS/05                   | 0 I H       |
| >COBOL   | COBOL                                    | 5714-CB1      |     | 202     | 151      |          |          |    | GC21-7766    | SYSTEM/38                | 1 S A       |
| >COBOL   | COBOL COMPILER & RESIDENT LIBRARY        | 5719-CB1      | R   | 90      |          |          |          |    | GC34-0236    | SERIES/1                 | 1 S C       |
| >COBOL   | COBOL TRANSIENT LIBRARY                  | 5719-CB2      | R   | 8       |          |          |          |    | GC34-0237    | SERIES/1                 | 1 S C       |
| >COBOL   | COBOL ANS74 X3,23-1974                   | 5726-CB1      |     | 131     | 98       |          |          |    | GC21-7737    | SYSTEM/34                | 1 S A       |

| KEYWORD | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I L | S V |
|---------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| COBOL   | COBOL INTERACTIVE DEBUG                  | 5734-CB4     |     | 351     |          |          |          |    | GC28-6454    | T50/CMS                  | 1   | S   | B   |
| COBOL   | COBOL COMPILER & LIBRARY                 | 5746-CB1     |     | 157     | 117      | 12       | 19       |    | GC28-6473    | DOS/V5                   | 1   | S   | K   |
| COBOL   | COBOL LIBRARY ONLY                       | 5746-LM4     |     | 29      | 21       | 5        | 8        |    | GC28-6473    | DOS/V5                   | 1   | S   | K   |
| COBOL   | COBOL MAINTENANCE AID DOS                | 5796-AHV     |     | 500     |          |          |          | 01 | G320-8146    | DOS/V5                   | 1   | I   | H   |
| COBOL   | COBOL MAINTENANCE AID OS                 | 5796-AHZ     |     | 500     |          |          |          | 01 | G320-8146    | OS/V5                    | 1   | I   | H   |
| COBOL   | COBOL INTERACTIVE DEBUG TRAINING         | 5798-CXK     |     | 160     |          |          |          | 12 | GB21-1930    | IIS, IIPS                | 1   | L   | H   |
| COBOL   | COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   | 5798-CXW     |     | 110     |          |          |          | 12 | GB21-2344    | OS/V5, COBOL, SORT       | 1   | I   | H   |
| COBOL   | COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   | 5798-CYG     |     | 110     |          |          |          | 12 | GB21-2344    | DOS/V5, COBOL, SORT      | 1   | I   | H   |
| COBOL   | COBOL PAYROLL MANAGEMENT SYSTEM          | 5798-CYP     |     | 425     |          |          |          | 12 | GB21-2399    | DOS/V5/VSE, COBOL        | 1   | S   | H   |
| >COBOL  | COBOL INTERACTIVE DEBUG TRAINING II      | 5798-DFZ     |     | 995     |          |          |          | 01 | GB21-2825    | IIS, IIPS                | 1   | L   | H   |
| >COBOL  | COBOL SOURCE ANALYZER                    | 5798-ALX     |     | 18      |          |          |          | 12 | GB21-0737    | SYSTEM/3                 | 1   | I   | H   |
| COBOL   | DOS/V5 TO MVS COBOL, PL/I CONVERSION AID | 5785-EBG     |     | 3940    |          |          |          | 01 | GB21-2792    | DOS/VSE, MVS, VM/CMS     | 0   | I   | H   |
| COBOL   | DPPX COBOL COMPILER                      | 5760-CB1     |     | 121     | 90       | 20       | 32       |    | GC26-3914    | DPPX                     | 1   | S   | K   |
| COBOL   | DPPX COBOL RUN TIME LIBRARY              | 5760-LB1     |     | 21      | 15       | 4        | 6        |    | GC26-3914    | DPPX                     | 1   | S   | K   |
| COBOL   | DPPX COBOL APPLICATION CROSS REFERENCE   | 5798-DDJ     |     | 20      |          |          |          | 12 | GB21-2672    | DPPX                     | 1   | S   | H   |
| >COBOL  | EDX COBOL COMPILER & RESIDENT LIBRARY    | 5719-CB3     | R   | 90      |          |          |          |    | GL23-0012    | SERIES/1                 | 1   | S   | C   |
| >COBOL  | EDX COBOL TRANSIENT LIBRARY              | 5719-CB4     | R   | 8       |          |          |          |    | GL23-0013    | SERIES/1                 | 1   | S   | C   |
| >COBOL  | EDX COBOL COMPILER & RESIDENT LIBR V 2   | 5719-CB5     | R   | 118     |          |          |          |    | GC34-0388    | SERIES/1                 | 1   | S   | E   |
| >COBOL  | EDX COBOL TRANSIENT LIBRARY VERSION 2    | 5719-CB6     | R   | 15      |          |          |          |    | GC34-0389    | SERIES/1                 | 1   | S   | E   |
| COBOL   | GE 415 COBOL TO ANS COBOL CONVERSION AID | 5798-ASY     |     | 275     |          |          |          | 12 | GB21-0914    | DOS                      | 0   | S   | H   |
| COBOL   | GE 415 COBOL TO ANS COBOL CONVERSION AID | 5798-ASY     |     | 275     |          |          |          | 12 | GB21-0914    | DOS                      | 0   | S   | H   |
| >COBOL  | HONEYWELL COBOL TO IBM COBOL CONVERSION  | 5785-JAA     |     | 3000    |          |          |          | 01 | GB21-2858    | OS/V5, DOS/VSE, VM/370   | 0   | S   | H   |
| >COBOL  | HONEYWELL COBOL TO IBM COBOL CONVERSION  | 5785-JAA     |     | 3000    |          |          |          | 01 | GB21-2858    | OS/V5, DOS/VSE, VM/370   | 0   | S   | H   |
| COBOL   | HONEYWELL 200 COBOL TO IBM ANS COBOL     | 5798-AGC     |     | 330     |          |          |          | 12 | GB21-0387    | DOS                      | 0   | I   | H   |
| COBOL   | HONEYWELL 200 COBOL TO IBM ANS COBOL     | 5798-AGC     |     | 330     |          |          |          | 12 | GB21-0387    | DOS                      | 0   | I   | H   |
| COBOL   | NCR CENTURY TO ANS COBOL CONVERSION AID  | 5798-APG     |     | 2105    |          |          |          | 01 | GB21-0839    | DOS/OS                   | 0   | I   | H   |
| COBOL   | NCR NEAT/3 TO COBOL CONVERSION AID       | 5798-CZC     |     | 995     |          |          |          | 01 | GB21-2420    | DOS/V5                   | 0   | I   | H   |
| COBOL   | OS/V5 COBOL COMPILER & LIBRARY           | 5740-CB1     |     | 311     | 233      | 12       | 19       |    | GC28-6470    | OS/V5                    | 1   | S   | K   |
| COBOL   | OS/V5 COBOL LIBRARY                      | 5740-LM1     |     | 101     | 75       | 5        | 8        |    | GC28-6470    | OS/V5                    | 1   | S   | K   |
| COBOL   | RCA COBOL TO IBM ANS COBOL               | 5798-AHT     |     | 517     |          |          |          | 12 | GB21-0493    | DOS/OS                   | 0   | I   | H   |
| COBOL   | RCA COBOL TO IBM ANS COBOL               | 5798-AHT     |     | 517     |          |          |          | 12 | GB21-0493    | DOS/OS                   | 0   | I   | H   |
| >COBOL  | RPS COBOL COMPILER & RESIDENT LIBR V 2   | 5719-CB7     | R   | 118     |          |          |          |    | GC34-0390    | SERIES/1                 | 1   | S   | E   |
| >COBOL  | RPS COBOL TRANSIENT LIBRARY VERSION 2    | 5719-CB8     | R   | 15      |          |          |          |    | GC34-0391    | SERIES/1                 | 1   | S   | E   |
| >COBOL  | S/3 COBOL DATA BASE TECHNIQUES           | 5798-NXC     |     | 190     |          |          |          | 06 | GB30-1472    | SYSTEM/3                 | 1   | S   | H   |
| >COBOL  | S/3 TO S/38 COBOL CONVERSION             | 5798-NXW     |     | 575     |          |          |          | 01 | GB30-1362    | SYSTEM/3                 | 0   | S   | H   |
| >COBOL  | S/34 COBOL CONVERS AID-FROM NCR          | 5798-NYR     |     | 900     |          |          |          | 01 | GB30-1433    | SYSTEM/34                | 0   | S   | H   |
| >COBOL  | S/38 COBOL CONVERSION AID                | 5798-RGT     |     | 1300    |          |          |          | 01 | GB30-1764    | SYSTEM/38                | 0   | S   | H   |
| >COBOL  | SUBSET ANS COBOL MOD 8/10 DISK           | 5702-CB1     |     | 108     |          |          |          |    | GC28-6452    | SYSTEM/3                 | 1   | S   | C   |
| >COBOL  | SYSTEM/32 ANS/68 COBOL                   | 5799-AWQ     |     | 120     |          |          |          |    | GB0F-4764    | SYSTEM/32                | 1   | S   | A   |
| >COBOL  | SYSTEM/34 ANS/68 COBOL                   | 5799-AWR     |     | 105     | 69       |          |          |    | GC21-7784    | SYSTEM/34                | 1   | S   | A   |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| COBOL            | TSO COBOL PROMPTER                       | 5734-CP1     |     | 38      | 28       | 5        | 8        |    | GC28-6454    | TSO                      | 1 S K       |
| COBOL            | UNIVAC TO IBM COBOL CONVERSION AID       | 5785-JAC     |     | 3000    |          |          |          |    | 01 GB21-2763 | DOS/VSE OS/V5            | 0 S H       |
| >COBOL           | VIRTUAL COBOL SUBSYSTEM COMPILER         | 5796-NPW     |     | 356     |          |          |          |    | 12 GB30-1100 | SERIES/1                 | 1 S H       |
| >COBOL           | VIRTUAL COBOL SUBSYSTEM RTM              | 5798-NTF     |     | 46      |          |          |          |    | 12 GB30-1100 | SERIES/1                 | 1 S H       |
| >COBOL           | VIRTUAL COBOL CPS                        | 5798-ZZB     |     | 58      |          |          |          |    | 12           | SERIES/1                 | 1 S H       |
| COBOL            | 3270 FULL SCREEN TSO COBOL SUPPORT       | 5796-ATK     |     | 130     |          |          |          |    | 12 G320-6067 | OS/V52 (MVS)             | 1 S H       |
| COBOL            | 3650 PROGRAMMABLE STORE SYSTEM COBOL     | 5740-CB2     |     | 254     | 190      | 8        | 13       |    | GC30-3059    | OS/V5                    | 1 S K       |
| COBOL            | 3650 PROGRAMMABLE STORE SYSTEM COBOL     | 5746-CB2     |     | 186     | 139      | 8        | 13       |    | GC30-3059    | DOS/V5                   | 1 S K       |
| >COBOL           | 370 HOST COBOL FOR SERIES/1 EDX          | 5799-TEL     |     | 1435    |          |          |          |    | 24 GC34-1720 | SERIES/1                 | 1 S E       |
| >COBOL           | 370 HOST COBOL FOR SERIES/1 RPS          | 5799-TEP     |     | 1435    |          |          |          |    | 24 GC34-1721 | SERIES/1                 | 1 S E       |
| >COBOL           | 4700 FINANCE SYSTEM COBOL                | 5666-266     |     | 325     | 243      | 56       | 90       |    | GL23-0078    | DOS/VSE                  | 1 S K       |
| >COBOL           | 4700 FINANCE SYSTEM - COBOL              | 5668-987     |     | 450     | 337      | 69       | 110      |    | GL23-0078    | OS/V5                    | 1 S K       |
| >COBOL           | 8100 COBOL APPLICATION INTEGRITY MONITOR | 5798-DGZ     |     | 1000    |          |          |          |    | 01 GB21-2885 | DPPX                     | 1 S H       |
| >COBOL COMPILER  | VIRTUAL COBOL SUBSYSTEM COMPILER         | 5796-NPW     |     | 356     |          |          |          |    | 12 GB30-1100 | SERIES/1                 | 1 S H       |
| >COBOL CPS       | VIRTUAL COBOL CPS                        | 5798-ZZB     |     | 58      |          |          |          |    | 12           | SERIES/1                 | 1 S H       |
| >COBOL RUNTIME   | VIRTUAL COBOL SUBSYSTEM RTM              | 5798-NTF     |     | 46      |          |          |          |    | 12 GB30-1100 | SERIES/1                 | 1 S H       |
| >COBOL SUBSYSTEM | VIRTUAL COBOL SUBSYSTEM COMPILER         | 5796-NPW     |     | 356     |          |          |          |    | 12 GB30-1100 | SERIES/1                 | 1 S H       |
| >COBOL SUBSYSTEM | VIRTUAL COBOL SUBSYSTEM RTM              | 5798-NTF     |     | 46      |          |          |          |    | 12 GB30-1100 | SERIES/1                 | 1 S H       |
| >COBOL-DOS/VSE   | COBOL-DOS/VSE HOST COMPILER & LIBRARY    | 5708-CB2     |     | 144     |          |          |          |    | GL23-0028    | 5280 DATA SYSTEM         | 1 S E       |
| >COBOL-OS/V5     | COBOL-OS/V5 HOST COMPILER & LIBRARY      | 5708-CB1     |     | 144     |          |          |          |    | GL23-0027    | 5280 DATA SYSTEM         | 1 S E       |
| >COBOL/RPS       | COBOL COMPILER & RESIDENT LIBRARY        | 5719-CB1     | R   | 90      |          |          |          |    | GC34-0236    | SERIES/1                 | 1 S C       |
| >COBOL/RPS       | COBOL TRANSIENT LIBRARY                  | 5719-CB2     | R   | 8       |          |          |          |    | GC34-0237    | SERIES/1                 | 1 S C       |
| >COBOL/RPS       | RPS COBOL COMPILER & RESIDENT LIBR V 2   | 5719-CB7     | R   | 118     |          |          |          |    | GC34-0390    | SERIES/1                 | 1 S E       |
| >COBOL/RPS       | RPS COBOL TRANSIENT LIBRARY VERSION 2    | 5719-CB8     | R   | 15      |          |          |          |    | GC34-0391    | SERIES/1                 | 1 S E       |
| CODE             | APL DECISION TABLE PROCESSOR & CODE GEN. | 5796-PJB     |     | 500     |          |          |          |    | 12 G320-5738 | APLSV,VSAPL              | 1 S H       |
| CODE             | AUDIT SOURCE CODE COMPARE                | 5796-PDF     |     | 90      |          |          |          |    | 12 G320-5532 | DOS/V5                   | 1 I H       |
| CODE             | CODE AND GO FORTRAN                      | 5734-F01     |     | 302     |          |          |          |    | GC28-6884    | OS/TSO/CMS               | 1 S C       |
| >CODE            | LEARNING TO CODE OS/V5 JCL               | 5798-DAJ     |     | 95      |          |          |          |    | 12 GB21-2508 | IIS, IIPS                | 1 L H       |
| CODE             | 3800 UNIVERSAL PRODUCT CODE PRINTING     | 5798-CTA     |     | 235     |          |          |          |    | 12 GB21-2219 | OS/V5                    | 1 S H       |
| CODES            | RACF CODES UPDATE SYSTEM                 | 5796-PLK     |     | 90      |          |          |          |    | 12 G320-6093 | MVS AND RACF             | 1 S H       |
| COGS             | CONSUMER GOODS SYSTEM - ALLOCATION       | 5734-D32     |     | 165     |          |          |          |    | GH20-4410    | OS/MFT/MVT/VS1/VS2       | 1 I C       |
| COGS             | CONSUMER GOODS SYSTEM - FORECASTING      | 5734-D33     |     | 220     |          |          |          |    | GH20-4409    | OS/MFT/MVT/VS1/VS2       | 1 I C       |
| COGS             | CONSUMER GOODS SYSTEM - ALLOCATION DOS   | 5736-D31     |     | 165     |          |          |          |    | GH20-0721    | DOS, DOS/V5              | 1 I C       |
| COGS             | CONSUMER GOODS SYSTEM - FORECASTING DOS  | 5736-D32     |     | 220     |          |          |          |    | GH20-0722    | DOS, DOS/V5              | 1 I C       |
| >COLL            | DATA COLL SYS SUPPORT 5230 MFG DCSS      | 5714-M4A     |     | 100     | 75       |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D       |
| >COLLECT         | DATA COLLECT INTERACTIVE EDX             | 5799-TDE     | R   | 39      |          |          |          |    | GC34-1652    | SERIES/1                 | 1 S C       |
| >COLLECT         | 5230 DATA COLLECT SYS SUPPORT FOR S/32   | 5725-M3A     |     | 63      |          |          |          |    | GH30-0016    | SYSTEM/32                | 1 I C       |
| >COLLECTION      | DATA COLLECTION SYSTEM SUPPORT MOD 12    | 5705-M31     |     | 44      |          |          |          |    | GH30-0204    | SYSTEM/3                 | 1 S C       |
| >COLLECTION      | DATA COLLECTION SYSTEM SUPPORT MFG 5230  | 5726-M4A     |     | 109     | 82       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| >COLLECTION      | PLANT FLOOR COLLECTION & LOT TRACKING    | 5798-DFG     |     | 310     |          |          |          |    | 12 GB21-2881 | DPPX+3640                | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT DR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >COLLECTION      | 5230 DATA COLLECTION SUPPORT FOR S/34     | 5726-M3A     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C       |
| >COLLEGES        | ONLINE STUDENT REG. SYSTEM                | 5798-NWP     |     | 333     |          |          |          | 12 | GB30-1312    | SYSTEM/34                | 1 S H       |
| COLTS            | 3614 3624 CONSUMER ONLINE TRANSACTIONS    | 5740-F51     |     | 695     |          |          |          |    | GH20-2019    | OS/V5                    | 1 I B       |
| COLTS            | 3614 3624 CONSUMER ONLINE TRANSACTIONS    | 5746-F57     |     | 589     |          |          |          |    | GH20-2019    | DOS/V5                   | 1 I B       |
| >COLTS           | 4700 FIN SYS COM ONLINE TER SUP COLTS     | 5799-BGB     |     | 50      |          |          |          |    |              | 36/4700                  | 1 S B       |
| >COM             | 4700 FIN SYS COM ONLINE TER SUP COLTS     | 5799-BGB     |     | 50      |          |          |          |    |              | 36/4700                  | 1 S B       |
| >COMBINED        | COMBINED DEPOSIT SYSTEM                   | 5796-AZY     | P   | 1660    |          |          |          | 24 | G320-6400    | DOS/VSE,DL/I             | 1 S H       |
| >COMM            | PROG COMM SUBSYSTEM PREPARATION FACILITY  | 5719-CS0     | R   | 10      |          |          |          |    | GC34-0183    | SERIES/1                 | 1 S C       |
| >COMM            | PROG COMM SUBSYSTEM EXECUTION SUPPORT     | 5719-CS1     | R   | 8       |          |          |          |    | GC34-0186    | SERIES/1                 | 1 S C       |
| >COMM            | PROG COMM SUBSYS EXTEND EXECU SUPPORT     | 5719-CS2     | R   | 25      |          |          |          |    | GC34-0186    | SERIES/1                 | 1 S C       |
| COMM             | VM/VTAM COMM NETWORK APPLICATIONS - VCNA  | 5735-RC5     |     | 284     | 213      | 105      | 168      |    | GC27-0501    | VM/SP,DOS/VSE,VS1        | 2 S K       |
| >COMM CONTROLLER | S/1 COMM CONTROLLER FOR S/38              | 5798-ZZF     |     | 250     |          |          |          | 12 | GB30-1579    | SERIES/1                 | 1 S H       |
| >COMMAND         | CICS/VS COMMAND LEVEL PROGRAMMING COURSE  | 5798-DCX     |     | 1290    |          |          |          | 01 | GB21-2628    | IIS,IIPS                 | 1 L H       |
| COMMAND          | DPPX DPCX HOST COMMAND FACILITY           | 5735-XR1     |     | 97      | 72       | 27       | 43       |    | GC27-0453    | OS/V5,DOS/V5             | 1 S K       |
| COMMAND          | DPPX/BASE COMMAND FACILITY EXTENSIONS     | 5760-010/02  |     | 18      | 13       | 8        | 12       |    | GC27-0400    | 6006                     | 1 S K       |
| >COMMAND         | HOST COMMAND FACILITY DPPX DPCX           | 5668-985     |     | 150     | 112      | 30       | 48       |    | GC27-0453    | DOS/VSE,OS/V5            | 1 S K       |
| COMMAND          | TSO COMMAND PACKAGE                       | 5740-XT6     |     | 129     | 96       | 7        | 11       |    | GC28-0746    | MVS                      | 1 S K       |
| COMMAND          | TSO COMMAND PROCESSOR                     | 5798-AYF     |     | 90      |          |          |          | 12 | GB21-1122    | OS/V52                   | 1 I H       |
| COMMERCIAL       | BANK TELLER AP - COMMERCIAL EXTENSIONS    | 5796-AZX     |     | 120     |          |          |          | 12 | G320-6396    |                          | 1 S H       |
| COMMERCIAL       | COMMERCIAL BANK SYSTEM BASE SUPPORT       | 5746-F60     |     | 475     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| COMMERCIAL       | COMMERCIAL BANK DEMAND DEPOSIT ACCOUNTING | 5746-F61     |     | 365     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| COMMERCIAL       | COMMERCIAL BANK SAVINGS ACCOUNTING        | 5746-F62     |     | 330     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| COMMERCIAL       | COMMERCIAL BANK TIME DEPOSIT CERTIFICATS  | 5746-F63     |     | 255     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| COMMERCIAL       | COMMERCIAL BANK GENERAL LEDGER ACCOUNTING | 5746-F64     |     | 235     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| COMMERCIAL       | COMMERCIAL BANK SYSTEM REVOLVING CREDIT   | 5746-F65     |     | 185     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| COMMERCIAL       | COMMERCIAL BANK 3600 TELLER APPLICATION   | 5796-AXX     |     | 120     |          |          |          | 12 | G320-6161    | VS1                      | 1 S H       |
| >COMMERCIAL      | CPS COMMERCIAL ARITHMETIC                 | 5799-TBD     | R   | 2       |          |          |          | 24 | SC34-1566    | SERIES/1                 | 1 S C       |
| COMMERCIAL       | 1130 FORTRAN COMMERCIAL SUBROUTINES       | 5798-BCT     |     | 73      |          |          |          | 12 | GB21-1318    | DOS/V5                   | 1 S H       |
| >COMMISSION ACCT | APPAREL ORDER ENTRY & CONTROL             | 5796-NQP     |     | 575     |          |          |          | 12 | GB30-1178    | SYSTEM/32                | 1 S H       |
| >COMMISSION ACCT | S/34 APPAREL BUS SYS - OE & C             | 5796-RAC     |     | 862     |          |          |          | 12 | GB30-1457    | SYSTEM/34                | 1 S H       |
| >COMMITTED       | COMMITTED COST/COST HISTORY FEATURE CONS  | 5726-M68/02  |     | 45      | 34       |          |          |    | GH30-0707    | SVS/34,6021              | 1 I D       |
| >COMMUNICATING   | S/1 COMMUNICATING JOB STREAM              | 5798-RFC     |     | 650     |          |          |          | 01 | GB30-1628    | SERIES/1                 | 1 S H       |
| COMMUNICATION    | ADVANCED DATA COMMUNICATION FOR STORES    | 5735-XR2     |     | 208     |          |          |          |    | GH20-2188    |                          | 1 S E       |
| >COMMUNICATION   | ASYNCHRONOUS COMMUNICATION                | 5608-SR1     | Q   | 120     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >COMMUNICATION   | ASYNCHRONOUS COMMUNICATION SUPPORT        | 6024-032     |     | 40      |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0 S H       |
| >COMMUNICATION   | BINARY SYNCHRONOUS COMMUNICATION          | 5608-SR2     | Q   | 120     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| COMMUNICATION    | COMMUNICATION ORIENTED MESSAGE SYSTEM     | 5668-007     |     | 417     |          |          |          |    | GH12-5127    | OS/V5 CICS DL/I          | 1 S E       |
| COMMUNICATION    | COMMUNICATION ORIENTED MESSAGE SYSTEM     | 5746-XXM     |     | 417     |          |          |          |    | GH12-5127    | DOS/V5                   | 2 S B       |
| >COMMUNICATION   | COMMUNICATION MONITOR FOR SERIES/1 RPS    | 5799-TCX     |     | 5220    |          |          |          | 01 | GL23-0002    | SERIES/1                 | 1 S C       |
| COMMUNICATION    | DATA COMMUNICATION FEATURE                | 5734-XX6/02  |     | 700     |          |          |          |    | GH20-0765    | 6022-6024                | 2 S C       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO      | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|-------------------|--------------------------|-------------|
| >COMMUNICATION   | OPERATOR COMMUNICATION FACILITY          | 5665-288     | P   | 300     | 225      | 7        | 11       |    | GC24-5225         | MVS,NCCF,ACF/VTAM        | 1 S K       |
| >COMMUNICATION   | PATIENT ORDER MGMT/COMM SYS              | 5796-NRA     |     | 805     |          |          |          | 12 | GB30-1165         | SYSTEM/3                 | 1 S H       |
| COMMUNICATION    | REMOTE SPooling COMMUNICATION SUBSYSTEM  | 5748-XP1     |     | 84      | 63       | 28       | 45       |    | GH24-5004         | VM/SP                    | 1 S K       |
| >COMMUNICATION   | S/1 COMM CONTROLLER FOR S/38             | 5798-ZZF     |     | 250     |          |          |          | 12 | GB30-1579         | SERIES/1                 | 1 S H       |
| >COMMUNICATION   | S/34 DATA COLLEC HOST                    | 5798-RDX     |     | 69      |          |          |          | 01 | GB30-1552         | SYSTEM/34                | 1 S H       |
| >COMMUNICATION   | S/34 FILE EXTRACT/COMMUNICATION          | 5798-RDD     |     | 75      |          |          |          | 06 | GB30-1576         | SYSTEM/34                | 1 S H       |
| >COMMUNICATION   | S/38 - S/1 COMMUNICATION UTILITY         | 5798-RDY     |     | 50      |          |          |          | 12 | GB30-1579         | SYSTEM/38                | 1 S H       |
| COMMUNICATION    | WIDEBAND COMMUNICATION PROGRAM           | 5796-PDJ     |     | 600     |          |          |          | 12 | G320-5540         | OS/VS1,OS/VS2            | 1 S H       |
| COMMUNICATION    | 3630 PLANT COMMUNICATION HOST SERVICES   | 5744-CR1     |     |         |          |          |          |    | GA24-3721         | OS/VS                    | 0 S N       |
| COMMUNICATION    | 3630 PLANT COMMUNICATION SYSTEM HOST     | 5747-CJ1     |     |         |          |          |          |    | GA24-3721         | DOS/VS                   | 0 S N       |
| >COMMUNICATIONS  | ASYNCHRONOUS COMMUNICATIONS              | 5715-AC1     |     | 600     |          |          |          | 01 | SA34-0111         | SYS/23 DATAMASTER        | 1 I E       |
| >COMMUNICATIONS  | BINARY SYNCHRONOUS COMMUNICATIONS        | 5715-BC1     |     | 850     |          |          |          | 01 | SA34-0111         | SYS/23 DATAMASTER        | 1 I E       |
| >COMMUNICATIONS  | COMMUNICATIONS UTILITIES                 | 5708-DC1     |     | 23      | 15       |          |          |    | GC34-0248         | 5280 DATA SYSTEM         | 1 S A       |
| >COMMUNICATIONS  | COMMUNICATIONS MONITOR FOR SERIES/1      | 5719-CM1     | R   | 139     |          |          |          |    | GL23-0049         | SERIES/1                 | 1 S E       |
| COMMUNICATIONS   | COMMUNICATIONS DESIGN & DEVELOPMENT AID  | 5796-PNL     |     | 150     |          |          |          | 12 | G320-6349         | DPPX/8100                | 1 S H       |
| >COMMUNICATIONS  | EDX COMMUNICATIONS FACILITY              | 5719-CF1     | R   | 55      |          |          |          |    | GL23-0070         | SERIES/1                 | 1 S E       |
| >COMMUNICATIONS  | EDX COMMUNICATIONS FACILITY              | 5798-ZZC     | P   | 40      |          |          |          | 36 | GB30-1307         | SERIES/1                 | 1 S H       |
| COMMUNICATIONS   | ENGLISH COMMUNICATIONS SKILLS II         | 5796-BBT     |     | 385     |          |          |          | 12 | G320-6433         | IIS,IIPS                 | 1 L H       |
| COMMUNICATIONS   | IMS/VS DATA COMMUNICATIONS FEATURE       | 5740-XX2/02  |     | 1630    | 1220     | 140      | 224      |    | GH20-1260         | 6151-6152                | 0 S K       |
| >COMMUNICATIONS  | INTELLIGENT TERMINAL SUBSYSTEM           | 5798-NLG     |     | 126     |          |          |          | 12 | GB30-1032         | SERIES/1                 | 1 S H       |
| >COMMUNICATIONS  | INTERACTIVE COMMUNICATIONS FEATURE       | 5726-SS1/02  |     | 108     | 93       |          |          |    | SC21-7703         | SYS/34,6000/1            | 1 S A       |
| COMMUNICATIONS   | NETWORK COMMUNICATIONS CONTROL FACILITY  | 5735-XX6/01  |     | 111     | 83       | 38       | 61       |    | GC27-0429         | ACF/VTAM/VTAME/TCAM      | 2 S K       |
| COMMUNICATIONS   | OPERATOR COMMUNICATIONS CONTROL FACILITY | 5746-XC5     |     | 116     | 87       | 10       | 16       |    | GC33-6113         | DOS/VSE                  | 1 S K       |
| >COMMUNICATIONS  | OS 6 COMM & FILE CONVERSION SYS          | 5798-NZH     |     | 143     |          |          |          | 06 | GB30-1431         | SYSTEM/34                | 1 S H       |
| >COMMUNICATIONS  | S/1 EDX CF II                            | 5798-RDT     | P   | 55      |          |          |          | 36 | GB30-1593         | SERIES/1                 | 1 S H       |
| >COMMUNICATIONS  | S/1 EDX CF AIRLINE SUPPORT               | 5798-ZZE     | P   | 50      |          |          |          | 24 | GB30-1550         | SERIES/1                 | 1 S H       |
| >COMMUNICATIONS  | S/1 NATIVE APPL LOAD FAC - VER 2         | 5798-RBR     |     | 172     |          |          |          | 12 | GB30-1071         | SERIES/1                 | 1 S H       |
| >COMMUNICATIONS  | S/1 TEXT ROUTING SYSTEM                  | 5798-NZG     |     | 373     |          |          |          | 24 | GB30-1435         | SERIES/1                 | 1 S H       |
| >COMMUNICATIONS  | S/1 YALE ASCII TERM COMM SYSTEM          | 5796-RBT     | P   | 143     |          |          |          | 24 | GB30-1509         | SERIES/1                 | 1 S H       |
| >COMMUNICATIONS  | S/3 TO 3741 DATA TRANSFER                | 5798-AZZ     |     | 62      |          |          |          | 06 | GB21-1207         | SYSTEM/3                 | 1 I H       |
| >COMMUNICATIONS  | S/34 CENTRAL SITE MAINTENANCE            | 5798-RBD     |     | 92      |          |          |          | 06 | GB30-1494         | SYSTEM/34                | 1 S H       |
| >COMMUNICATIONS  | SERIES/1 COMMUNICATIONS FACILITY/HOST    | 5668-979     | P   | 175     |          |          |          |    | EDX,OS/VS,DOS/VSE |                          | 1 S B       |
| COMMUNICATIONS   | 3770 COMMUNICATIONS UTILITY              | 5798-CZK     |     | 100     |          |          |          | 12 | GB21-1936         | DOS/VS,OS/VS             | 1 I H       |
| >COMP ASSIST TRN | 5110/5120 BASIC SELF-STUDY COURS         | 5796-ZAA     |     | 661     |          |          |          | 01 | GB30-1492         | 5120 SYSTEM              | 0 S H       |
| >COMP. ASST. TRN | S/34 COMPUTER ASSISTED TRAINING          | 5798-NPE     |     | 115     |          |          |          | 06 | GB30-1104         | SYSTEM/34                | 1 S H       |
| COMPARE          | AUDIT SOURCE CODE COMPARE                | 5796-PDF     |     | 90      |          |          |          | 12 | G320-5532         | DOS/VS                   | 1 I H       |
| COMPARE          | AUDIT FILE COMPARE PROGRAM               | 5796-PNF     |     | 100     |          |          |          | 12 | G320-6339         | OS/VS                    | 1 S H       |
| COMPARE          | SOURCE COMPARE AUDIT UTILITY             | 5796-PLZ     |     | 100     |          |          |          | 24 | G320-6163         | VS1 VM/CMS MVS           | 1 I H       |
| >COMPATABILITY   | 1018/1442 COMPATABILITY                  | 5799-WFD     |     |         |          |          |          |    | GC21-5060         | SYSTEM/3                 | 0 S C       |
| COMPATABILITY    | DPPX 3270 DATA STREAM COMPATABILITY      | 5760-RC1     |     | 21      | 15       | 28       | 45       |    | GC27-0400         | DPPX                     | 1 S K       |

KEYWORDS - ALPHABETIC SEQUENCE

1-028

CODES EXPLAINED ON PAGE XI

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #         | T I S P L V |
|----------------|--|--------------|-----|---------|----------|----------|----------|------------|----------------------------------|-------------|
| COMPATIBILITY  | 1400 COMPATIBILITY ACCESS ROUTINE        | 5798-CDB     |     | 500     |          |          |          | 01         | GB21-1546 DOS/VS                 | 1 I H       |
| COMPATIBILITY  | 2260 2741 COMPATIBILITY USING VTAM/TCAM  | 5796-ATW     |     | 275     |          |          |          | 12         | G320-6079 OS/VS1, OS/VS2         | 1 S H       |
| >COMPATIBILITY | 3270 COMPATIBILITY                       | 5608-SR6     |     | 300     |          |          |          |            | G544-0851 DISPLAYWRITER          | Y S E       |
| >COMPENSATION  | S/23 CONSTR INFO - PAYROLL               | 5796-ZAQ     |     | 1750    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER      | 1 I H       |
| >COMPILE       | FORT IV COMPILE & OBJ SUP LIB VER 2      | 5719-FO2     | R   | 17      |          |          |          |            | GC34-0306 SERIES/1               | 1 S C       |
| >COMPILE       | FORTRAN IV COMPILE & OBJ SUPPORT LIBRARY | 5719-FO1     | R   | 17      |          |          |          |            | GC34-0131 SERIES/1               | 1 S C       |
| >COMPILE       | PL/I COMPILE & RESIDENT LIBRARY VER 2    | 5719-PL2     | R   | 148     |          |          |          |            | GC34-0281 SERIES/1               | 1 S C       |
| >COMPILATION   | S/1 HOST PL/1 - RPS                      | 5798-NZJ     |     | 960     |          |          |          | 24         | GB30-1483 SERIES/1               | 1 S H       |
| >COMPILATION   | S/1 HOST PL/1 - EDX                      | 5798-NZK     |     | 960     |          |          |          | 24         | GB30-1486 SERIES/1               | 1 S H       |
| >COMPILER      | COBOL COMPILER & RESIDENT LIBRARY        | 5719-CB1     | R   | 90      |          |          |          |            | GC34-0236 SERIES/1               | 1 S C       |
| COMPILER       | COBOL COMPILER & LIBRARY                 | 5746-CB1     |     | 157     | 117      | 12       | 19       |            | GC28-6473 DOS/VS                 | 1 S K       |
| >COMPILER      | COBOL-OS/VS HOST COMPILER & LIBRARY      | 5708-CB1     |     | 144     |          |          |          |            | GL23-0027 5280 DATA SYSTEM       | 1 S E       |
| >COMPILER      | COBOL-DOS/VSE HOST COMPILER & LIBRARY    | 5708-CB2     |     | 144     |          |          |          |            | GL23-0028 5280 DATA SYSTEM       | 1 S E       |
| COMPILER       | DOS PL/I OPTIMIZING COMPILER             | 5736-PL1     |     | 235     | 176      | 31       | 50       |            | GC33-0004 DOS, DOS/VS/VSE, CMS   | 1 S K       |
| COMPILER       | DOS PL/I OPTIMIZING COMPILER & LIBRARY   | 5736-PL3     |     | 322     | 241      | 41       | 66       |            | GC33-0004 DOS, DOS/VS/VSE, CMS   | 1 S K       |
| COMPILER       | DPPX COBOL COMPILER                      | 5760-CB1     |     | 121     | 90       | 20       | 32       |            | GC26-3914 DPPX                   | 1 S K       |
| COMPILER       | DPPX FORTRAN COMPILER                    | 5760-FO1     |     | 97      | 72       | 20       | 32       |            | GC27-0417 DPPX                   | 1 S K       |
| COMPILER       | DPPX PL/I COMPILER                       | 5760-PL1     |     | 290     | 217      | 30       | 48       |            | GH19-6081 DPPX                   | 1 S K       |
| >COMPILER      | EDX COBOL COMPILER & RESIDENT LIBRARY    | 5719-CB3     | R   | 90      |          |          |          |            | GL23-0012 SERIES/1               | 1 S C       |
| >COMPILER      | FORTRAN COMPILER                         | 6024-O12     |     | 350     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR   | 0 S H       |
| >COMPILER      | FORTRAN-77 COMPILER                      | 6024-034     |     | 175     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR   | 0 S H       |
| COMPILER       | OS FORTRAN IV (H EXTENDED) COMPILER      | 5734-FO3     |     | 399     | 299      | 14       | 22       |            | GC28-6884 OS/MFT/HVT/VS/CMS      | 1 S K       |
| COMPILER       | OS PL/I OPTIMIZING COMPILER              | 5734-PL1     |     | 252     | 189      | 31       | 50       |            | GC33-0001 OS/VS, MFT/HVT, CMS    | 1 S K       |
| COMPILER       | OS PL/I CHECKOUT COMPILER                | 5734-PL2     |     | 538     | 403      | 5        | 8        |            | GC33-0003 OS/MFT/HVT/VS/CMS      | 1 S K       |
| COMPILER       | OS PL/I OPTIMIZING COMPILER & LIBRARY    | 5734-PL3     |     | 339     | 254      | 41       | 66       |            | GC33-0001 OS/VS, MFT/HVT, CMS    | 1 S K       |
| COMPILER       | OS/VS COBOL COMPILER & LIBRARY           | 5740-CB1     |     | 311     | 233      | 12       | 19       |            | GC28-6470 OS/VS                  | 1 S K       |
| >COMPILER      | OS/VS RPG II COMPILER                    | 5740-RG1     | P   | 180     | 135      | 10       | 16       |            | GC33-6120 OS/VS                  | 1 S K       |
| COMPILER       | PASCAL/VS COMPILER                       | 5796-PNQ     |     | 188     |          |          |          |            | G320-6387 VM/CMS OS/VS           | 1 S E       |
| >COMPILER      | PASCAL COMPILER                          | 6024-O10     |     | 300     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR   | 0 S H       |
| >COMPILER      | PL/I COMPILER AND RESIDENT LIBRARY       | 5719-PL1     | R   | 59      |          |          |          |            | GC34-0084 SERIES/1               | 1 S C       |
| >COMPILER      | PL/I EDX COMPILER & RESIDENT LIBRARY     | 5719-PL5     | R   | 148     |          |          |          |            | GC34-0145 SERIES/1               | 1 S C       |
| >COMPILER      | RPG III                                  | 5714-RG1     |     | 79      | 59       |          |          |            | GC21-7760 SYSTEM/38              | 1 S A       |
| COMPILER       | RPG II COMPILER                          | 5746-RG1     |     | 131     | 98       | 5        | 8        |            | GC33-6120 DOS/VS                 | 1 I K       |
| >COMPILER      | SSX/VSE RPG II COMPILER                  | 5666-274     |     | 131     | 98       | 5        | 8        |            | GC33-6143 SSX/VSE                | 1 S K       |
| >COMPILER      | UCSD PASCAL (R) COMPILER                 | 6024-033     |     | 175     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR   | 0 S H       |
| >COMPILER      | VIRTUAL COBOL SUBSYSTEM COMPILER         | 5796-NPW     |     | 356     |          |          |          | 12         | GB30-1100 SERIES/1               | 1 S H       |
| COMPILER       | VS FORTRAN COMPILER & LIBRARY            | 5748-FO3     |     | 212     | 159      | 15       | 24       |            | GC26-3983 OS/VS, DOS/VSE, VM/CMS | 1 S K       |
| >COMPILER      | WATERLOO BASIC COMPILER AND RTM          | 5796-NWL     |     | 110     |          |          |          | 36         | GB30-1310 SERIES/1               | 1 S H       |
| >COMPILING     | ONLINE FILE MAINT PROGRAM WRITER         | 5798-NWD     |     | 75      |          |          |          | 06         | GB30-1287 SYSTEM/34              | 1 S H       |
| >COMPLETE      | GDS IN INVTY ACCTG/MGMT REPORT SYSTEM    | 5798-NPD     |     | 100     |          |          |          | 24         | GB30-1095 SYSTEM/32              | 1 S H       |

| KEYWORD           | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-------------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| >COMPLIER         | EDX COBOL COMPLIER & RESIDENT LIBR V 2   | 5719-CB5     | R   | 118     |          |          |          | GC34-0388       | SERIES/1                 | 1 S E       |
| >COMPLIER         | RPS COBOL COMPLIER & RESIDENT LIBR V 2   | 5719-CB7     | R   | 118     |          |          |          | GC34-0390       | SERIES/1                 | 1 S E       |
| >COMPLMNT FOLIO   | COMPLIMENTARY FOLIO ACCOUNTING           | 5798-NWC     |     | 517     |          |          |          | 12 GB30-1281    | SYSTEM/3                 | 1 S H       |
| >COMPONENT REPAIR | S/34 EQUIP COSTING/MAINT                 | 5796-RBW     |     | 690     |          |          |          | 12 GB30-1511    | SYSTEM/34                | 1 I H       |
| >COMPONENT        | MAINT ENGR: COMPONENT MAINTENANCE        | 5796-ARR     |     | 1375    |          |          |          | 24 G320-6055    | OS/V52                   | 1 S H       |
| COMPOSITION       | DOCUMENT COMPOSITION FACILITY - DCF      | 5746-XX9/01  |     | 281     |          |          |          | GH20-9158       | OS/DOS/VM                | 1 S L       |
| COMPOSITION       | DOCUMENT COMPOSITION TRAINING            | 5796-PNE     |     | 100     |          |          |          | 12 G320-6331    | IIS,IIPS                 | 1 L H       |
| COMPOSITION       | DOCUMENT COMPOSITION FACILITY FOR 6670   | 5798-DBR     |     | 56      |          |          |          | 12 GB21-2563    | VM/CMS MVS               | 1 S H       |
| COMPREHENSIVE     | COMPREHENSIVE THRIFT APPLICATION - HOST  | 5796-AXW     |     | 4165    |          |          |          | 24 G320-6337    | DOS/VSE CICS DL/I        | 1 S H       |
| COMPREHENSIVE     | COMPREHENSIVE THRIFT APPLICATION - 3600  | 5796-AXX     |     | 40      |          |          |          | 24 G320-6337    | 5796-AXW                 | 1 S H       |
| >COMPREHENSIVE    | COMPREHENSIVE CONSTR PR/JOB COST         | 5796-NQB     |     | 184     |          |          |          | 12 GB30-1129    | 5120 SYSTEM              | 1 S H       |
| >COMPREHENSIVE    | COMPREHENSIVE PAYROLL MGMT SYS           | 5798-AXD     |     | 149     |          |          |          | 12 GB21-1056    | SYSTEM/3                 | 1 I H       |
| >COMPREHENSIVE    | ONLINE COMPREHENSIVE PAYROLL             | 5798-NHJ     |     | 201     |          |          |          | 12 GB30-0848    | SYSTEM/3                 | 1 S H       |
| COMPRESSION       | DATA COMPRESSION / EXPANSION             | 5798-ATB     |     | 97      |          |          |          | 01 GB21-0938    | DOS/OS                   | 0 S H       |
| COMPRESSION       | IMS/V5 DATA COMPRESSION FACILITY         | 5798-DCJ     |     | 85      |          |          |          | 12 GB21-2612    | OS/V5                    | 1 S H       |
| COMPRESSION       | SMF JOB DATA COMPRESSION AID             | 5796-PHN     |     | 132     |          |          |          | G320-5714       | OS, OS/V5                | 1 I E       |
| COMPRESSION       | SPM II FILE COMPRESSION REPORTING SYSTEM | 5796-AYG     |     | 65      |          |          |          | 12 G320-6332    | DOS/VSE                  | 1 S H       |
| >COMPUTER ASSIST  | INVEN/3 - COMPUTER ASSISTED INV          | 5798-NCX     |     | 345     |          |          |          | 12 GB30-0688    | SYSTEM/3                 | 1 I H       |
| >COMPUTER SOFTWA  | 5120 ATTY INFO MGMT SYS                  | 5796-ZAG     |     | 8280    |          |          |          | 01 GB30-1547    | 5120 SYSTEM              | 1 S H       |
| >COMPUTER TRAINI  | S/34 COMPUTER ASSISTED TRNG II           | 5798-NZA     |     | 130     |          |          |          | 06 GB30-1481    | SYSTEM/34                | 1 S H       |
| COMSKL/CAI        | ENGLISH COMMUNICATIONS SKILLS II         | 5796-BBT     |     | 385     |          |          |          | 12 G320-6433    | IIS,IIPS                 | 1 L H       |
| CONFIGURATION     | VTAM CONFIGURATION AND GENERATION AID    | 5798-CTL     |     | 250     |          |          |          | 06 GB21-2233    | DOS/V5                   | 0 I H       |
| >CONNECTED        | CHANNEL CONNECTED SYSTEMS                | 5799-WNK     |     |         |          |          |          | GC21-5199       | SYSTEM/3                 | 0 S B       |
| CONNECTION        | REQUIREMENTS PLANNING CONNECTION RECORDS | 5734-M51/02  |     | 33      |          |          |          | GH20-4618       | 6015                     | 1 I C       |
| >CONSERVATION     | S/1 EDX ENERGY CONSERVATION SYS          | 5798-RAB     | P   | 149     |          |          |          | 24 GB30-1450    | SERIES/1                 | 1 S H       |
| >CONSERVATION     | S/1 GENL PURP AUTO EXEC (GPAX)           | 5798-RCZ     | P   | 250     |          |          |          | 24 GB30-1565    | SERIES/1                 | 1 S H       |
| CONSOLE           | CONSOLE SPOOLING UNDER POWER/V5          | 5798-CPQ     |     | 80      |          |          |          | 12 GB21-2084    | DOS/V5                   | 1 S H       |
| CONSOLE           | CPU CONSOLE AS CICS MASTER TERMINAL      | 5798-ANK     |     | 60      |          |          |          | 12 GB21-0800    | OS/DOS CICS              | 1 S H       |
| CONSOLIDATED      | CONSOLIDATED FUNCTIONS ORDINARY VERS 2   | 5736-N13     |     | 380     |          |          |          | GH20-5006       | OS/DOS                   | 1 I C       |
| >CONSTRUCT ESTIM  | S/34 CONSTR ESTIM SYS - ELEC             | 5796-NXH     |     | 1060    |          |          |          | 12 GB30-1572    | SYSTEM/34                | 1 S H       |
| >CONSTRUCTION     | ACCOUNTS PAYABLE CONSTRUCTION            | 5725-M62     |     | 64      |          |          |          | GH30-0201       | SYSTEM/32                | 1 I C       |
| >CONSTRUCTION     | ACCOUNTS PAYABLE CONSTRUCTION            | 5726-M62     |     | 64      |          |          |          | GH30-0707       | SYSTEM/34                | 1 I C       |
| >CONSTRUCTION     | ACCOUNTS PAYABLE CONSTRUCTION            | 5726-M68/01  |     | 85      | 64       |          |          | GH30-0707       | SYSTEM/34                | 1 I D       |
| >CONSTRUCTION     | COMPREHENSIVE CONSTR PR/JOB COST         | 5796-NQB     |     | 184     |          |          |          | 12 GB30-1129    | 5120 SYSTEM              | 1 S H       |
| >CONSTRUCTION     | CONSTRUCTION ESTIMATING & BID            | 5796-NPQ     |     | 172     |          |          |          | 12 GB30-1146    | SYSTEM/32                | 1 S H       |
| >CONSTRUCTION     | CONSTRUCTION PAYROLL/JOB COST            | 5796-NQA     |     | 155     |          |          |          | 12 GB30-1126    | 5120 SYSTEM              | 1 S H       |
| >CONSTRUCTION     | CONTR/SUBCONTR ESTIMATING                | 5798-AJA     |     | 144     |          |          |          | 12 GB21-0514    | SYSTEM/3                 | 1 I H       |
| >CONSTRUCTION     | CONTR/SUBCONTR ACCTS RECEIVABLE          | 5798-AJB     |     | 126     |          |          |          | 12 GB21-0517    | SYSTEM/3                 | 1 I H       |
| >CONSTRUCTION     | CONTR/SUBCONTR JOB COSTING               | 5798-AJC     |     | 107     |          |          |          | 12 GB21-0520    | SYSTEM/3                 | 1 I H       |
| >CONSTRUCTION     | CONTR/SUBCONTR GENERAL LEDGER            | 5798-AJD     |     | 119     |          |          |          | 12 GB21-0523    | SYSTEM/3                 | 1 I H       |

KEYWORDS - ALPHABETIC SEQUENCE

1-030

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T P | I S |
|------------------|---|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-----|-----|
| >CONSTRUCTION    | CONTR/SUBCONTR ACCTS PAYABLE            | 5798-AJE     |     | 151     |          |          |          | 12 GB21-0526 | SYSTEM/3                 | 1   | I H |
| >CONSTRUCTION    | CONTR/SUBCONTR PAYROLL                  | 5798-AJF     |     | 151     |          |          |          | 12 GB21-0529 | SYSTEM/3                 | 1   | I H |
| >CONSTRUCTION    | DISTRIBUTION CONSTRUCTION INFORMATION   | 5712-AAB     |     | 5000    |          |          |          | 12 GE20-0613 | DOS/OS/IMS/CICS/V5       | 0   | S   |
| >CONSTRUCTION    | EARNING STATEMENT                       | 5796-ZAC     |     | 2850    |          |          |          | 01 GB30-1534 | 5120 SYSTEM              | 1   | S H |
| >CONSTRUCTION    | GENERAL LEDGER CONSTRUCTION             | 5725-M64     |     | 51      |          |          |          | GH30-0201    | SYSTEM/32                | 1   | I C |
| >CONSTRUCTION    | GENERAL LEDGER CONSTRUCTION             | 5726-M64     |     | 51      |          |          |          | GH30-0707    | SYSTEM/34                | 1   | I C |
| >CONSTRUCTION    | GENERAL LEDGER CONSTRUCTION             | 5726-M67     |     | 63      | 47       |          |          | GH30-0707    | SYSTEM/34                | 1   | I D |
| >CONSTRUCTION    | JOB COSTING CONSTRUCTION                | 5725-M61     |     | 51      |          |          |          | GH30-0201    | SYSTEM/32                | 1   | I C |
| >CONSTRUCTION    | JOB COSTING CONSTRUCTION                | 5726-M61     |     | 51      |          |          |          | GH30-0707    | SYSTEM/34                | 1   | I C |
| >CONSTRUCTION    | JOB COSTING CONSTRUCTION                | 5726-M66     |     | 63      | 47       |          |          | GH30-0707    | SYSTEM/34                | 1   | I D |
| >CONSTRUCTION    | PAYROLL CONSTRUCTION                    | 5725-M63     |     | 89      |          |          |          | GH30-0201    | SYSTEM/32                | 1   | I C |
| >CONSTRUCTION    | PAYROLL CONSTRUCTION                    | 5726-M63     |     | 89      |          |          |          | GH30-0707    | SYSTEM/34                | 1   | I C |
| >CONSTRUCTION    | PAYROLL AND LABOR COSTING CONSTRUCTION  | 5726-M69     |     | 113     | 85       |          |          | GH30-0707    | SYSTEM/34                | 1   | I D |
| >CONSTRUCTION    | PL/I LANGUAGE CONSTRUCTION PREPROCESSOR | 5796-PLL     |     | 140     |          |          |          | 12 G320-6096 | OS/V5, VM/CMS            | 1   | S H |
| >CONSTRUCTION    | REVENUE ACCOUNTING CONSTRUCTION A/R     | 5726-M6A     |     | 99      | 74       |          |          | GH30-0707    | SYSTEM/34                | 1   | I D |
| >CONSTRUCTION    | S/23 CONSTR INFO - JOB COST             | 5796-ZAP     |     | 1550    |          |          |          | 01 GB30-1728 | SYS/23 DATAMASTER        | 1   | I H |
| >CONSTRUCTION    | S/23 CONSTR INFO - PAYROLL              | 5796-ZAQ     |     | 1750    |          |          |          | 01 GB30-1728 | SYS/23 DATAMASTER        | 1   | I H |
| >CONSTRUCTION    | S/23 CONSTR INFO - ACCTS PAYABLE        | 5796-ZAR     |     | 1650    |          |          |          | 01 GB30-1728 | SYS/23 DATAMASTER        | 1   | I H |
| >CONSTRUCTION    | S/23 CONSTR INFO - GEN LEDG             | 5796-ZAT     |     | 1550    |          |          |          | 01 GB30-1728 | SYS/23 DATAMASTER        | 1   | I H |
| >CONSTRUCTION    | S/34 CONSTRUCTION EST - CONTROL         | 5796-NXE     |     | 391     |          |          |          | 12 GB30-1355 | SYSTEM/34                | 1   | S H |
| >CONSTRUCTION    | S/34 CONSTRUCTION EST - GEN CONT        | 5796-NXF     |     | 517     |          |          |          | 12 GB30-1355 | SYSTEM/34                | 1   | S H |
| >CONSTRUCTION    | S/34 CONSTR ESTIM SYS - ELEC            | 5796-NXH     |     | 1060    |          |          |          | 12 GB30-1572 | SYSTEM/34                | 1   | S H |
| >CONSTRUCTION    | S/34 CONSTRUCTION EST-MGR EXTENS        | 5796-NYE     |     | 460     |          |          |          | 12 GB30-1355 | SYSTEM/34                | 1   | S H |
| >CONSTRUCTION    | 5110/5120 BLDR/REMOD ESTIM SYS          | 5793-AAB     |     | 5520    |          |          |          | 01 GB30-1520 | 5120 SYSTEM              | 1   | S H |
| >CONSTRUCTION    | 5120 CONSTRUCT INFO SYS - A/P           | 5796-ZAD     |     | 2365    |          |          |          | 01 GB30-1534 | 5120 SYSTEM              | 1   | S H |
| >CONSTRUCTION    | 5120 CONSTRUCT INFO SYS - J/C           | 5796-ZAE     |     | 2035    |          |          |          | 01 GB30-1534 | 5120 SYSTEM              | 1   | S H |
| >CONSTRUCTION    | 5120 CONSTRUCT INFO SYS - G/L           | 5796-ZAF     |     | 2025    |          |          |          | 01 GB30-1534 | 5120 SYSTEM              | 1   | S H |
| >CONSTRUCTION    | 5280 CONSTR DATA ENTRY/EDIT             | 5798-RBZ     |     | 50      |          |          |          | 12 GB30-1516 | 5280 DATA SYSTEM         | 1   | S H |
| CONSUMER         | CONSUMER GOODS SYSTEM - ALLOCATION      | 5734-D32     |     | 165     |          |          |          | GH20-4410    | OS/MFT/MVT/V51/V52       | 1   | I C |
| CONSUMER         | CONSUMER GOODS SYSTEM - FORECASTING     | 5734-D33     |     | 220     |          |          |          | GH20-4409    | OS/MFT/MVT/V51/V52       | 1   | I C |
| CONSUMER         | CONSUMER GOODS SYSTEM - ALLOCATION DOS  | 5736-D31     |     | 165     |          |          |          | GH20-0721    | DOS.DOS/V5               | 1   | I C |
| CONSUMER         | CONSUMER GOODS SYSTEM - FORECASTING DOS | 5736-D32     |     | 220     |          |          |          | GH20-0722    | DOS.DOS/V5               | 1   | I C |
| CONSUMER         | CONSUMER TERMINAL ACCESS METHOD - CTAM  | 5799-AZN     |     | 290     |          |          |          | GH20-4576    | 3624 DEVICES             | 1   | S C |
| CONSUMER         | 3614 3624 CONSUMER ONLINE TRANSACTIONS  | 5740-F51     |     | 695     |          |          |          | GH20-2019    | OS/V5                    | 1   | I B |
| CONSUMER         | 3614 3624 CONSUMER ONLINE TRANSACTIONS  | 5746-F57     |     | 589     |          |          |          | GH20-2019    | DOS/V5                   | 1   | I B |
| >CONSUMER TRANS  | APPL SUPP - CONSUMER TRANS FACIL        | 5798-NWE     |     | 575     |          |          |          | 12 GB30-1295 | SYSTEM/3                 | 1   | S H |
| >CONSUMER TRANSA | S/34 APPLIC SUPPORT FOR 3624 CTF        | 5798-RDP     |     | 800     |          |          |          | 12 GB30-1626 | SYSTEM/34                | 1   | S H |
| >CONSUMER TRANSA | 3600 O/L TERMINAL SUPPORT - S/34        | 5798-RAA     |     | 253     |          |          |          | 12 GB30-1454 | SYSTEM/34                | 1   | S H |
| CONTENT          | ATMS ARCHIVE TAPE CONTENT LISTER        | 5796-AZQ     |     | 85      |          |          |          | 12 G320-6389 | OS/V5                    | 1   | S H |
| >CONTENTS        | CPS DISK TABLE OF CONTENTS              | 5799-TAW     | R   | 1       |          |          |          | 24 SC34-1561 | SERIES/1                 | 1   | S C |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------|--------------------------|-------------|
| CONTINUOUS       | APL CONTINUOUS SYSTEM MODELING           | 5785-KAE     |     | 95      |          |          |          | 24         | G320-6081    | VSAPL                    | 1 S H       |
| CONTINUOUS       | CONTINUOUS SYSTEM MODELING PROGRAM III   | 5734-XS9/01  |     | 98      |          |          |          |            | GH19-7000    | VS1/VS2/VM               | 1 I C       |
| CONTOURING       | APT ADVANCED CONTOURING                  | 5740-M53     |     | 802     |          |          |          |            | GH20-1423    | OS/V5                    | 1 I B       |
| CONTOURING       | APT INTERMEDIATE CONTOURING              | 5740-M52     |     | 480     |          |          |          |            | GH20-1424    | OS/V5                    | 1 I B       |
| >CONTRACTOR      | S/23 ESTIM & COST TRACKING SYS           | 5793-AAC     |     | 2995    |          |          |          | 01         | GB30-1758    | SVS/23 DATAMASTER        | 1 I H       |
| >CONTRACTORS     | S/34 CONSTR ESTIM SYS - ELEC             | 5796-NXH     |     | 1060    |          |          |          | 12         | GB30-1572    | SYSTEM/34                | 1 S H       |
| >CONTRACTORS     | 5280 CONSTR DATA ENTRY/EDIT              | 5798-RBZ     |     | 50      |          |          |          | 12         | GB30-1516    | 5280 DATA SYSTEM         | 1 S H       |
| >CONTRACTORS CON | COMPREHENSIVE CONSTR PR/JOB COST         | 5796-NQB     |     | 184     |          |          |          | 12         | GB30-1129    | 5120 SYSTEM              | 1 S H       |
| >CONTRACTORS MGM | S/23 ESTIM & COST TRACKING SYS           | 5793-AAC     |     | 2995    |          |          |          | 01         | GB30-1758    | SVS/23 DATAMASTER        | 1 I H       |
| >CONTRACTORS MGM | 5110/5120 BLDG/REMOD ESTIM SYS           | 5793-AAB     |     | 5520    |          |          |          | 01         | GB30-1520    | 5120 SYSTEM              | 1 S H       |
| CONTROL          | ACF / NETWORK CONTROL PROGRAM / VS       | 5735-XX1     |     | 155     | 116      | 24       | 38       |            | GC30-9533    | DOS/V5,DOS/VSE,OS/V5     | 2 S K       |
| CONTROL          | ADVANCED CONTROL SYSTEM - HOST ACS       | 5799-BEJ     |     | 17415   |          |          |          | 12         |              | 5799-AHE                 | 2 S E       |
| CONTROL          | ADVANCED CONTROL SYSTEM - SERIES/1 ACS   | 5799-BEW     |     | 1415    |          |          |          | 12         |              | 5799-AHE                 | 2 S E       |
| CONTROL          | AIRLINE CONTROL PROGRAM TRANSACTIONS     | 5748-T11/01  |     | 2510    |          |          |          |            | GH20-2140    |                          | 2 S E       |
| CONTROL          | AIRLINE CONTROL PROGRAM TESTING IN VM    | 5798-DEP     |     | 400     |          |          |          | 12         | GB21-2743    | VM/SP,VM/BSEF,VM/SE      | 1 S H       |
| CONTROL          | AIRLINE CONTROL PROGRAM (ACP)            | 5799-WKG     |     |         |          |          |          |            | GE20-0423    | VS1-V52 (OFF-LINE)       | 0 S B       |
| >CONTROL         | APPAREL BUSINESS CONTROL                 | 5701-D12     |     | 94      |          |          |          |            | GH20-0822    | SYSTEM/3                 | 1 I C       |
| CONTROL          | CHECK PROCESSING CONTROL SYSTEM          | 5734-F11/01  |     | 1265    |          |          |          |            | GH20-1008    | OS/MFT/MVT/V5            | 2 I B       |
| CONTROL          | CICS/V5 AUTOMATED EVENT CONTROL          | 5798-DBQ     |     | 55      |          |          |          | 12         | GB21-2561    | CICS/V5                  | 1 S H       |
| >CONTROL         | CONTROL PROGRAM FACILITY                 | 5714-SS1     |     | 581     | 435      |          |          |            | GC21-7729    | SYSTEM/38                | 1 S A       |
| >CONTROL         | CONTROL PROGRAM SUPPORT                  | 5799-TAA     | R   | 20      |          |          |          | 24         | GC34-1557    | SERIES/1                 | 1 S C       |
| >CONTROL         | CONVERSATIONAL PROJECT EVAL & CONTROL    | 5740-XC3/01  |     | 710     |          |          |          |            | GH19-1150    | OS/V5,VM/CMS             | 2 S B       |
| >CONTROL         | CONVERSATIONAL PROJECT EVAL & CONTROL    | 5746-XC3/01  |     | 604     |          |          |          |            | GH19-1150    | DOS/VSE                  | 2 S B       |
| CONTROL          | COPICS ROUTING DATA CONTROL              | 5798-CXE     |     | 140     |          |          |          | 36         | GB21-2311    | DOS/V5,DOS/VSE,OS/V5     | 1 S H       |
| CONTROL          | COPICS FACILITIES DATA CONTROL           | 5798-CZH     |     | 140     |          |          |          | 36         | GB21-2433    | DL/1 CICS/V5 DMS/V5      | 1 S H       |
| CONTROL          | COPICS PLANT MONITORING & CONTROL - 8100 | 5798-DFT     |     | 431     |          |          |          |            | GB21-2842    | DPPX 5798-DFR            | 1 S E       |
| CONTROL          | CUSTOMER INFORMATION CONTROL SYSTEM      | 5734-XX7     |     | 823     |          |          |          |            | GH20-1028    | OS                       | 2 S C       |
| CONTROL          | CUSTOMER INFORMATION CONTROL SYSTEM      | 5736-XX6     |     | 235     |          |          |          |            | GH20-1028    | DOS                      | 2 S C       |
| CONTROL          | CUSTOMER INFORMATION CONTROL SYSTEM      | 5736-XX7     |     | 588     |          |          |          |            | GH20-1028    | DOS                      | 2 S C       |
| CONTROL          | CUSTOMER INFORMATION CONTROL SYSTEM      | 5740-XX1     |     | 1425    | 1065     | 116      | 186      |            | GC33-0066    | OS/V5                    | 2 S K       |
| CONTROL          | CUSTOMER INFORMATION CONTROL SYSTEM      | 5746-XX3/01  |     | 450     | 337      | 116      | 186      |            | GC33-0066    | DOS/VSE                  | 2 S K       |
| CONTROL          | DIRECT STORE VENDOR DELIVERY CONTROL     | 5796-BBE     |     | 655     |          |          |          | 24         | G320-6423    | DOS/V5 CICS DL/1         | 1 S H       |
| CONTROL          | DISTRIBUTED PROCESSING CONTROL EXECUTIVE | 5761-DS1/01  |     | 269     | 201      | 74       | 118      |            | GC22-9075    | 8100,5735-XR3            | 1 S K       |
| >CONTROL         | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U11     | R   | 164     |          |          |          | 48         | GC34-0063    | SERIES/1                 | 1 S C       |
| >CONTROL         | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U12/01  | R   | 236     |          |          |          | 48         | GH30-0094    | SERIES/1                 | 1 S C       |
| >CONTROL         | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U13     | R   | 325     |          |          |          | 48         | GH30-0500    | SERIES/1                 | 1 S C       |
| >CONTROL         | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U14/01  | R   | 116     |          |          |          | 48         | GH30-0094    | SERIES/1                 | 1 S C       |
| >CONTROL         | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U15     | R   | 144     |          |          |          | 48         | GH30-0500    | SERIES/1                 | 1 S C       |
| CONTROL          | FERST/V5 EQUIPMENT CONTROL               | 5795-AAH     |     | 1775    |          |          |          |            | GH20-4384    | OS/V5/1                  | 1 I C       |
| CONTROL          | FERST/V5 EQUIPMENT CONTROL               | 5795-AAJ     |     | 1775    |          |          |          |            | GH20-4384    | DOS/V5                   | 1 I C       |

| KEYWORD  | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I L | S V |
|----------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| CONTROL  | HOST CONTROL FOR REMOTE 3600 & 4700      | 5796-AWG     |     | 215     |          |          |          | 12 | G320-6091    | DOS/VS,PC/3600           | 1   | S   | H   |
| CONTROL  | IMS/VS DATA BASE RECOVERY CONTROL FEAT.  | 5740-XX2/06  |     | 331     | 248      | 29       | 46.      |    | GH35-0010    | 6093-6094                | 1   | S   | K   |
| CONTROL  | INTERACTIVE COMPUTING CONTROL FACILITY   | 5746-TS1     |     | 97      | 72       | 22       | 35       |    | GC33-6066    | DOS/VSE                  | 1   | S   | K   |
| >CONTROL | INVENTORY CONTROL DISTRIBUTION           | 5714-D43     |     | 106     | 80       |          |          |    | GH30-0130    | SYSTEM/38                | 1   | I   | D   |
| >CONTROL | INVENTORY CONTROL LUMBER DEALERS         | 5725-D4D     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1   | I   | D   |
| >CONTROL | INVENTORY CONTROL STOCK STATUS           | 5725-D45     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1   | I   | D   |
| >CONTROL | INVENTORY CONTROL FOOD DISTRIBUTORS      | 5725-D68     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1   | I   | D   |
| >CONTROL | INVENTORY CONTROL DISTRIBUTORS           | 5726-D4C     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1   | I   | D   |
| >CONTROL | INVENTORY CONTROL LUMBER DEALERS         | 5726-D4G     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1   | I   | D   |
| >CONTROL | INVENTORY CONTROL DISTRIBUTORS           | 5726-D43     |     | 93      | 70       |          |          |    | GH30-0185    | SYSTEM/34                | 1   | I   | D   |
| >CONTROL | INVENTORY CONTROL FOOD DISTRIBUTORS      | 5726-D67     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/34                | 1   | I   | D   |
| >CONTROL | IPICS--PRODUCTION CONTROL                | 5798-NCZ     |     | 402     |          |          |          | 12 | GB30-0694    | SYSTEM/3                 | 1   | I   | H   |
| CONTROL  | JOB CONTROL LANGUAGE EDITOR              | 5796-PDC     |     | 148     |          |          |          | 06 | G320-1542    | OS/MFT,MVT,VS1,VS2       | 1   | S   | H   |
| CONTROL  | LINK CONTROL FDY IATA 3704 SEP           | 5799-AHP     |     | 450     |          |          |          |    |              | ACP                      | 1   | I   | B   |
| >CONTROL | MERCHANDISE CONTROL RETAIL               | 5726-XA3     |     | 366     | 274      |          |          |    | GH30-0136    | SYSTEM/34                | 1   | I   | D   |
| CONTROL  | NETWORK COMMUNICATIONS CONTROL FACILITY  | 5735-XX6/01  |     | 111     | 83       | 38       | 61       |    | GC27-0429    | ACF/VTAM/VTAME/TCAM      | 2   | S   | K   |
| CONTROL  | NETWORK CONTROL PROGRAM - SCP            | 5747-CH1/01  |     |         |          |          |          |    | GC30-9531    | 3704,3705                | 0   | S   | J   |
| CONTROL  | NETWORK CONTROL PROGRAM EP/VS FEATURE    | 5747-CH1/02  |     |         |          |          |          |    | GC30-9531    | 6004                     | 0   | S   | J   |
| CONTROL  | OPERATIONS PLANNING & CONTROL            | 5740-XT9     |     |         | 1390     | 1040     |          |    | GH19-6120    | OS/VS                    | 2   | I   | B   |
| CONTROL  | OPERATOR COMMUNICATIONS CONTROL FACILITY | 5746-XC5     |     | 116     | 87       | 10       | 16       |    | GC33-6113    | DOS/VSE                  | 1   | S   | K   |
| CONTROL  | PLANNING CONTROL & DECISION EVALUATION   | 5740-XX8     |     | 764     |          |          |          |    | GH19-1103    | CICS/IMS VM TSO          | 2   | S   | B   |
| CONTROL  | PLANNING CONTROL & DECISION EVALUATION   | 5740-XX9     |     | 625     |          |          |          |    | GH19-1103    | OS/VS                    | 2   | I   | B   |
| CONTROL  | PLANNING CONTROL & DECISION EVALUATION   | 5746-XXA     |     | 625     |          |          |          |    | GH19-1103    | DOS/VS                   | 2   | I   | B   |
| CONTROL  | PLANNING CONTROL & DECISION EVALUATION   | 5746-XX9     |     | 764     |          |          |          |    | GH19-1103    | CICS/DOS/VS              | 2   | S   | B   |
| >CONTROL | PROCEDURE CONTROL LANGUAGE               | 5708-CL1     |     | 9       | 7        |          |          |    | GC23-0754    | 5280 DATA SYSTEM         | 1   | S   | A   |
| >CONTROL | PRODUCTION CONTROL AND COSTING PCC MFG   | 5714-M41     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >CONTROL | PRODUCTION CONTROL AND COSTING MFG PC&C  | 5726-M41     |     | 169     | 127      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| CONTROL  | PROJECT ANALYSIS AND CONTROL SYSTEM      | 5740-XP1/01  |     | 292     |          |          |          |    | GH19-1055    | OS/VS                    | 1   | I   | B   |
| CONTROL  | PROJECT ANALYSIS & CONTROL SYSTEM        | 5746-XP1/01  |     | 292     |          |          |          |    | GH19-1055    | DOS/VS                   | 1   | I   | B   |
| CONTROL  | PROJECT EVALUATION AND CONTROL SYSTEM    | 5785-EAE     |     | 325     |          |          |          | 24 | G320-6088    | VS-APL (5748-AP1)        | 1   | S   | H   |
| CONTROL  | RESOURCE ACCESS CONTROL FACILITY         | 5740-XXH     |     | 728     | 546      | 32       | 51       |    | GC28-0722    | MVS                      | 2   | S   | K   |
| >CONTROL | RETAIL CREDIT CONTROL RETAIL             | 5726-XA5     |     | 230     | 172      |          |          |    | GH30-0136    | SYSTEM/34                | 1   | I   | D   |
| >CONTROL | SHOP LOADING AND CONTROL MFG.            | 5702-M51     |     | 215     |          |          |          |    | GH20-1240    | SYSTEM/3                 | 1   | I   | B   |
| >CONTROL | SYSTEM CONTROL PROGRAM MOD 10 CARD       | 5701-SC1     |     |         |          |          |          |    | SY21-0513    | SYSTEM/3                 | 0   | S   | C   |
| >CONTROL | SYSTEM CONTROL PROGRAM MOD 8/10 DISK     | 5702-SC1     |     |         |          |          |          |    | GC21-7578    | SYSTEM/3                 | 0   | S   | C   |
| >CONTROL | SYSTEM CONTROL PROGRAM MOD 6             | 5703-SC1     |     |         |          |          |          |    | GC21-7578    | SYSTEM/3                 | 0   | S   | C   |
| >CONTROL | SYSTEM CONTROL PROGRAM - 15ABC           | 5704-SC1     |     |         |          |          |          |    | GC21-7578    | SYSTEM/3                 | 0   | S   | C   |
| >CONTROL | SYSTEM CONTROL PROGRAM - 15D             | 5704-SC2     |     |         |          |          |          |    | GC21-7578    | SYSTEM/3                 | 0   | S   | A   |
| >CONTROL | SYSTEM CONTROL PROGRAM MOD 12            | 5705-SC1     |     |         |          |          |          |    | GC21-7578    | SYSTEM/3                 | 0   | S   | C   |
| >CONTROL | SYSTEM CONTROL PROGRAMMING               | 5708-SC1     |     |         |          |          |          |    | GC21-7797    | 5280 DATA SYSTEM         | 0   | S   | A   |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE #   | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|----------------------------|-------------|
| >CONTROL         | SYSTEM/32 SYSTEM CONTROL PROGRAM         | 5725-SC1     |     |         |          |          |          |              | GC21-7710 SYSTEM/32        | 0 S A       |
| >CONTROL         | TAPE LIBRARY CONTROL SYSTEM              | 5785-EAW     |     |         |          |          |          | 12 G320-6652 | MVS                        | 1 S H       |
| CONTROL          | TELECOMMUNICATIONS CONTROL SYSTEM        | 5734-F31     |     | 5070    |          |          |          |              | GH20-4324 OS/V5            | 2 S B       |
| CONTROL          | TELECOMMUNICATIONS CONTROL SYSTEM        | 5740-XXD     |     | 1375    |          |          |          |              | GH20-1735 OS/V5            | 2 S C       |
| CONTROL          | TELECOMMUNICATIONS CONTROL SYSTEM ACF    | 5740-XY3/01  |     | 220     |          |          |          |              | GH20-2192 OS/V5            | 1 S C       |
| CONTROL          | TERMINAL CONTROL FOR ETSS                | 5798-CGC     |     | 85      |          |          |          | 12 GB21-1683 | DOS/V5                     | 1 S H       |
| CONTROL          | TERMINAL CONTROL PROGRAM FOR ETSS/II     | 5798-CRX     |     | 85      |          |          |          |              | GB21-2211 DOS/V5, 5798-CLR | 1 S E       |
| CONTROL          | TSO PROGRAMMING CONTROL FACILITY II      | 5798-CLW     |     | 40      |          |          |          |              | GB21-1987 MVS              | 1 S E       |
| CONTROL          | TSO VS2 PROGRAMMING CONTROL FACILITY     | 5798-BBJ     |     | 160     |          |          |          | 12 GB21-1273 | OS/V52                     | 1 S H       |
| CONTROL          | VM/CMS CONTROL & ACCOUNTING PROGRAMS     | 5798-AYP     |     | 47      |          |          |          | 12 GB21-1110 | VM/CMS                     | 1 S H       |
| CONTROL          | VM/INTERACTIVE PROBLEM CONTROL SYSTEM    | 5748-SA1     |     | 41      | 30       | 5        | 8        |              | GC34-2019 VM/CMS           | 1 S K       |
| CONTROL          | VSAM CONTROL AREA FREESPACE MAP UTILITY  | 5796-AYX     |     | 90      |          |          |          | 12 G320-6346 | OS/V5                      | 1 S H       |
| CONTROL          | VSE / CENTRAL CONTROL FACILITY           | 5798-DCZ     |     | 207     |          |          |          |              | GB21-2663 DOS/VSE          | 1 S E       |
| CONTROL          | VSE ACCESS CONTROL LOGGING               | 5746-XE7     |     | 48      | 36       | 17       | 28       |              | GH12-5130 DOS/VSE          | 1 S K       |
| CONTROL          | VSE INTERACTIVE PROBLEM CONTROL          | 5746-SA1     |     | 31      | 23       | 5        | 8        |              | GC34-2017 DOS/VSE          | 1 S K       |
| >CONTROL         | 3270 DISPLAY CONTROL MOD 6               | 5703-RG1/04  |     | 29      |          |          |          |              | SC21-5161 60303            | 1 S C       |
| CONTROL          | 3630 PLANT MONITORING AND CONTROL        | 5798-DAH/01  |     | 184     |          |          |          | 24 GB21-2506 | DOS/V5 OS/V5               | 1 S H       |
| CONTROL          | 3704/5 NETWORK CONTROL PROGRAM VERSION 3 | 5744-BA2     |     |         |          |          |          |              | GC30-3008 OS/V5            | 0 S J       |
| CONTROL          | 8100 / 3640 SHOP FLOOR CONTROL SYSTEM    | 5796-BBR     |     | 345     |          |          |          | 12 G320-6432 | DPPX                       | 1 S H       |
| >CONTROL SYS     | FIXED ASSET ACCTG & CTL SYS              | 5798-NLD     |     | 161     |          |          |          | 12 GB21-1006 | SYSTEM/32                  | 1 S H       |
| CONTROLLED       | POWER/V5 RJE CONTROLLED ACCESS MONITOR   | 5798-CPH     |     | 80      |          |          |          | 12 GB21-2066 | DOS/V5                     | 1 S H       |
| >CONTROLLED ACCE | CONTROLLED ACCESS SYSTEM - 1             | 5798-NQJ     |     | P 166   |          |          |          | 12 GB30-1175 | SERIES/1                   | 1 S H       |
| CONTROLLER       | DISTRIBUTED DATA TRANSFER - CONTROLLER   | 5798-DCF     |     | 20      |          |          |          | 12 GB21-2594 | DPCX, 3790, 5798-DCA       | 1 S H       |
| CONTRROLLER      | 3630 / 3600 DATA TRANSFER - CONTROLLER   | 5798-CYK     |     | 120     |          |          |          | 12 GB21-2385 | 5798-CVL                   | 1 S H       |
| >CONVERSATIONAL  | CONVERSATIONAL UTILITIES MOD 6           | 5703-UT1     |     | 18      |          |          |          |              | SC21-7528 SYSTEM/3         | 1 S C       |
| >CONVERSATIONAL  | CONVERSATIONAL PROJECT EVAL & CONTROL    | 5740-XC3/01  |     | 710     |          |          |          |              | GH19-1150 OS/V5, VM/CMS    | 2 S B       |
| >CONVERSATIONAL  | CONVERSATIONAL PROJECT EVAL & CONTROL    | 5746-XC3/01  |     | 604     |          |          |          |              | GH19-1150 DOS/VSE          | 2 S B       |
| CONVERSION       | AUTOCODER TO COBOL CONVERSION WITH CMS   | 5798-CNH     |     | 1120    |          |          |          | 01 GB21-2022 | VM/CMS                     | 0 I H       |
| CONVERSION       | BURROUGHS 2500 TO ANS COBOL CONVERSION   | 5798-APH     |     | 2215    |          |          |          | 01 GB21-0836 | DOS/OS                     | 0 I H       |
| >CONVERSION      | CONVERSION REFORMAT UTILITY              | 5714-CV2     |     | 15      | 11       |          |          |              | GC21-7778 SYSTEM/38        | 1 S A       |
| CONVERSION       | DATA-SET CONVERSION AID DOS 3330 3340    | 5798-AMN     |     | 275     |          |          |          | 01 GB21-0740 | DOS                        | 0 I H       |
| CONVERSION       | DIRECT ACCESS STORAGE CONVERSION AID     | 5798-CLQ     |     | 2250    |          |          |          | 01 GB21-1990 | OS/V5                      | 0 S H       |
| CONVERSION       | DOS/V5 TO MVS MACRO CONVERSION AID       | 5785-EBE     |     | 6000    |          |          |          | 01 GB21-2788 | DOS/VSE, MVS, VM/CMS       | 0 I H       |
| CONVERSION       | DOS/V5 TO MVS JOBSTREAM CONVERSION AID   | 5785-EBF     |     | 4020    |          |          |          | 01 GB21-2790 | DOS/VSE, MVS, VM/CMS       | 0 I H       |
| CONVERSION       | DOS/V5 TO MVS COBOL, PL/I CONVERSION AID | 5785-EBG     |     | 3940    |          |          |          | 01 GB21-2792 | DOS/VSE, MVS, VM/CMS       | 0 I H       |
| CONVERSION       | DPS TO DOS CONVERSION AID                | 5798-ANJ     |     | 522     |          |          |          | 01 GB21-1336 | S/360-MODEL 20 DPS         | 0 S H       |
| CONVERSION       | DPS TO DOS CONVERSION AID                | 5798-BDA     |     | 615     |          |          |          | 01 GB21-1336 | DOS/V5 DOS                 | 0 S H       |
| CONVERSION       | ENVIROTECH DOS TO OS CONVERSION AID      | 5796-AFZ     |     | 3665    |          |          |          | 01 G320-8124 | OS OS/V5                   | 1 I H       |
| >CONVERSION      | FILE CONVERSION UTILITY                  | 5725-UT2     |     | 76      |          |          |          |              | GC34-0081 SYSTEM/32        | 1 S A       |
| >CONVERSION      | FILE CONVERSION FOR WORD PROCESSORS      | 5798-DFY     |     | 835     |          |          |          | 01 GB21-2821 | OS/V5, DOS/VSE             | 0 S H       |

| KEYWORD         | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L Y |
|-----------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| CONVERSION      | FORTRAN CONVERSION AID                   | 5796-PFG     |     | 5000    |          |          |          | 01         | G320-8154 OS/V5,VM/CMS         | 1 I H       |
| CONVERSION      | GE 415 COBOL TO ANS COBOL CONVERSION AID | 5798-ASY     |     | 275     |          |          |          | 12         | GB21-0914 DOS                  | 0 S H       |
| >CONVERSION     | MAGNETIC CARD CONVERSION                 | 5608-SR3     | Q   | 180     |          |          |          |            | G544-0851 DISPLAYWRITER        | Y S E       |
| CONVERSION      | NCR CENTURY TO ANS COBOL CONVERSION AID  | 5798-APG     |     | 2105    |          |          |          | 01         | GB21-0839 DOS/OS               | 0 I H       |
| CONVERSION      | NCR NEAT/3 TO COBOL CONVERSION AID       | 5798-CZC     |     | 995     |          |          |          | 01         | GB21-2420 DOS/V5               | 0 I H       |
| >CONVERSION     | S/3 CCP TO S/38 CONVERSION               | 5714-CV7     |     | 2810    |          |          |          | 01         | GC21-7772 SYSTEM/38            | 0 S D       |
| CONVERSION      | S/3 CCP TO CICS/V5 SCREEN CONVERSION AID | 5798-CQH     |     | 414     |          |          |          | 01         | GB21-2128 DOS/V5 DOS/VSE       | 0 I H       |
| CONVERSION      | S/3 OCL TO DOS/V5 JCL CONVERSION AID     | 5798-CQJ     |     | 600     |          |          |          | 01         | GB21-2130 ASSEMBLER, VSAM      | 0 S H       |
| CONVERSION      | S/3 RPG II CONVERSION PREPROCESSOR       | 5735-CV1     |     | 660     |          |          |          | 01         | GH20-4532 S/3,DOS/V5           | 0 I C       |
| CONVERSION      | S/3 TO DOS RPG II CONVERSION AID         | 5798-CAA     |     | 400     |          |          |          | 01         | GB21-1389 DOS/V5               | 0 I H       |
| >CONVERSION     | S/38-S/3 BATCH CONVERSION UTILITIES      | 5714-CV1     |     | 872     |          |          |          | 01         | GC21-7758 SYSTEM/38            | 0 S D       |
| >CONVERSION     | SYSTEM/34 TO SYSTEM/38 CONVERSION        | 5714-CV5     |     | 1495    |          |          |          | 01         | GH30-0460 SYSTEM/38            | 0 S D       |
| CONVERSION      | UNIVAC TO IBM COBOL CONVERSION AID       | 5785-JAC     |     | 3000    |          |          |          | 01         | GB21-2763 DOS/VSE OS/V5        | 0 S H       |
| CONVERSION      | VS APL VARIABLE CONVERSION PROCESSOR     | 5798-DEH     |     | 140     |          |          |          | 12         | GB21-2739 VSAPL                | 1 S H       |
| >CONVERSION     | 5110/5120 BASIC TO SYS/23 CONVERSION AID | 5715-CV1     |     | 875     |          |          |          | 01         | GC34-1693 SYS/23 DATAMASTER    | 1 I E       |
| >CONVERSION AID | S/3 DBT TO S/38 CONVER AID               | 5798-NYN     |     | 247     |          |          |          | 01         | GB30-1389 SYSTEM/3             | 0 S H       |
| >CONVERSION AID | S/3 TO S/32 CONVERSION AID               | 5798-NKT     |     | 345     |          |          |          | 01         | GB30-0977 SYSTEM/32            | 0 S H       |
| >CONVERSION AID | S/3 TO S/38 COBOL CONVERSION             | 5798-NXW     |     | 575     |          |          |          | 01         | GB30-1362 SYSTEM/3             | 0 S H       |
| >CONVERSION AID | S/3 TO S/38 BATCH CONVERSION AID         | 5798-RBC     |     | 690     |          |          |          | 01         | GB30-1504 SYSTEM/38            | 0 S H       |
| >CONVERSION AID | S/3-S/38 BATCH CONVERSION AID            | 5798-RDK     |     | 650     |          |          |          | 01         | GB30-1585 SYSTEM/38            | 0 S H       |
| >CONVERSION AID | S/32 TO S/34 CONVERSION AID              | 5798-NPC     |     | 230     |          |          |          | 01         | GB30-1092 SYSTEM/34            | 0 S H       |
| >CONVERSION AID | S/34 COBOL CONVERS AID-FROM NCR          | 5798-NVR     |     | 900     |          |          |          | 01         | GB30-1433 SYSTEM/34            | 0 S H       |
| >CONVERSION AID | S/38 COBOL CONVERSION AID                | 5798-RGT     |     | 1300    |          |          |          | 01         | GB30-1764 SYSTEM/38            | 0 S H       |
| >CONVERSION AID | SYS/3 TO SYS/34 CONVERSION AID           | 5798-NTE     |     | 431     |          |          |          | 01         | GB30-1231 SYSTEM/34            | 0 S H       |
| >CONVERSION AID | 5110/5120 TO S/34 BASIC CONV AID         | 5798-RFE     |     | 900     |          |          |          | 01         | GB30-1632 SYSTEM/34            | 1 S H       |
| COORDINATE      | APL COORDINATE GEOMETRY SYSTEM           | 5798-AGF     |     | 176     |          |          |          | 12         | GB21-0399 APLV5,APL/CMS        | 1 I H       |
| >COPICS         | COPICS ONLINE ROUTING                    | 5740-XYX     |     | 250     |          |          |          |            | GH12-5138 OS/V5,IMS,CICS,DL/I  | 2 S E       |
| >COPICS         | COPICS ONLINE ROUTING                    | 5746-XY1     |     | 250     |          |          |          |            | GH12-5138 DOS/VSE,CICS,DL/I    | 2 S E       |
| COPICS          | COPICS PURCHASING                        | 5785-GAX     |     | 250     |          |          |          |            | GB21-2772 DOS/VSE,OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS RECEIVING                         | 5785-GAZ     |     | 175     |          |          |          |            | GB21-2774 DOS/VSE,OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS BILL OF MATERIAL ON LINE II       | 5785-GBA     |     | 95      |          |          |          |            | GB21-2638 DOS/VSE OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS BILL MATERIAL BATCH UTILITIES II  | 5785-GBC     |     | 50      |          |          |          |            | GB21-2640 DOS/VSE OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS PRODUCT COST CALCULATIONS II      | 5785-GBD     |     | 115     |          |          |          |            | GB21-2642 DOS/VSE OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS INVENTORY ACCOUNTING II           | 5785-GBE     |     | 70      |          |          |          |            | GB21-2644 DOS/VSE OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS MATERIAL REQUIREMENTS PLANNING II | 5785-GBF     |     | 105     |          |          |          |            | GB21-2646 DOS/VSE OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS ROUTING DATA CONTROL              | 5798-CXE     |     | 140     |          |          |          | 36         | GB21-2311 DOS/V5,DOS/VSE,OS/V5 | 1 S H       |
| COPICS          | COPICS FACILITIES DATA CONTROL           | 5798-CZH     |     | 140     |          |          |          | 36         | GB21-2433 DL/I CICS/V5 DMS/V5  | 1 S H       |
| COPICS          | COPICS SHOP ORDER RELEASE II             | 5798-DCQ     |     | 230     |          |          |          |            | GB21-2648 DOS/VSE,OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS INVENTORY PLANNING FORECASTING II | 5798-DCR     |     | 172     |          |          |          |            | GB21-2650 DOS/VSE,OS/V5 DL/I   | 1 S E       |
| COPICS          | COPICS PLANT MONITORING - HOST INTERFACE | 5798-DFR     |     | 115     |          |          |          |            | GB21-2842 OS/V5 VSE 5798-DFT   | 1 S E       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I S L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|---------|
| COPICS           | COPICS PLANT MONITORING & CONTROL - 8100 | 5798-DFT     |     | 431     |          |          |          |    | GB21-2842    | DPPX 5798-DFR            | 1   | S E     |
| COPICS           | CUSTOMER ORDER SERVICING DATA MANAGEMENT | 5785-DCN     |     | 195     |          |          |          |    | GB21-2633    | DOS/VSE,OS/V5            | 1   | S E     |
| COPICS           | CUSTOMER ORDER SERVICING ORDER MANAGEMNT | 5785-DCP     |     | 195     |          |          |          |    | GB21-2633    | DOS/VSE,OS/V5            | 1   | S E     |
| COPY             | DISKETTE COPY PROGRAM                    | 5744-BJ1     |     |         |          |          |          |    | GC24-5109    | OS/V51                   | 0   | S C     |
| COPY             | DISKETTE COPY PROGRAM                    | 5744-BL1     |     |         |          |          |          |    | GC24-5109    | OS/V52                   | 0   | S C     |
| COPY             | IMS 3270 LOCAL COPY FOR ONLINE PRINTING  | 5796-AHL     |     | 190     |          |          |          | 12 | G320-8150    | IMS/360,IMS/V5           | 1   | S H     |
| COPY             | TSO 3270 DISPLAY COPY SUPPORT            | 5798-CHL     |     | 245     |          |          |          | 12 | GB21-1795    | OS/V52,TSO               | 1   | S H     |
| COPY             | UNIVERSAL DUMP, ALTER, COPY, & SELECT    | 5796-BAF     |     | 50      |          |          |          | 12 | G320-6405    | OS/V5                    | 1   | S H     |
| COPY             | VM DISKETTE COPY                         | 5796-PNT     |     | 65      |          |          |          | 12 | G320-6406    | VM/CMS, DISKETTE RDR     | 1   | S H     |
| COPY             | VSE FAST COPY DATA-SET PROGRAM           | 5746-AM4     |     | 417     |          |          |          | 01 | GC33-6081    | DOS/VSE                  | 1   | S L     |
| CORNES           | COMMUNICATION ORIENTED MESSAGE SYSTEM    | 5668-007     |     | 417     |          |          |          |    | GH12-5127    | OS/V5 CICS DL/I          | 1   | S E     |
| CORNES           | COMMUNICATION ORIENTED MESSAGE SYSTEM    | 5746-XXM     |     | 417     |          |          |          |    | GH12-5127    | DOS/V5                   | 2   | S B     |
| CORNES           | CORNES DMS/V5 DOS/V5 INTERFACE           | 5798-CTR     |     | 125     |          |          |          | 12 | GB21-2244    | 5746XXM CICS/DOS/V5      | 1   | I H     |
| CORRECTION       | MAINT ENGR: PROBLEM CORRECTION REPORTING | 5796-ARP     |     | 2780    |          |          |          | 24 | G320-6055    | OS/V52                   | 1   | S H     |
| CORRELATION      | MSS TRACE SMF CORRELATION AID            | 5796-PJX     |     | 125     |          |          |          | 24 | G320-5810    | OS/V5                    | 1   | I H     |
| >CORRESPONDENCE  | ADMINISTRATIVE CONTROL SYSTEM            | 5798-NWT     |     | 287     |          |          |          | 12 | GB30-1318    | SYSTEM/34                | 1   | S H     |
| CORRESPONDENCE   | COMPUTER GENERATED CORRESPONDENCE        | 5796-AER     |     | 585     |          |          |          | 12 | G320-8094    | DOS/V5,OS/V5,CICS        | 1   | I H     |
| >CORRESPONDENCE  | ONLINE ADMINISTRATIVE CONTROL            | 5796-NJJ     |     | 258     |          |          |          | 12 | GB30-0914    | SYSTEM/3                 | 1   | S H     |
| >CORRESPONDENCE  | S/23 COMPUTERIZED FILLING SYSTEM         | 5798-RHD     |     | 1440    |          |          |          | 01 | GB30-1695    | SYS/23 DATAMASTER        | 1   | I H     |
| >CORRESPONDENCE  | 5110/5120 ADMIN CONTROL SYSTEM           | 5798-NYF     |     | 115     |          |          |          | 12 | GB30-1376    | 5120 SYSTEM              | 1   | S H     |
| COST             | COPICS PRODUCT COST CALCULATIONS II      | 5785-GBD     |     | 115     |          |          |          |    | GB21-2642    | DOS/VSE OS/V5 DL/I       | 1   | S E     |
| >COST            | COST / BENEFIT MODELING AID              | 5798-DHE     |     | 355     |          |          |          | 12 | GB21-2898    | OS/V5,DOS/VSE,VM         | 1   | S H     |
| COST             | COST EVALUATION PROCESSOR FEATURE        | 5740-XP1/03  |     | 72      |          |          |          |    | GH19-1055    | 6006-6008                | 1   | I B     |
| COST             | COST EVALUATION PROCESSOR FEATURE        | 5746-XP1/03  |     | 72      |          |          |          |    | GH19-1055    | 6009-6013,6045           | 1   | I B     |
| COST             | COST PROCESSOR FEATURE                   | 5734-XP4/02  |     | 70      |          |          |          |    | GH20-0855    | 6016-6018                | 0   | I B     |
| COST             | POWER/V5 COST & PERFORMANCE ANALYZER     | 5798-CDG     |     | 140     |          |          |          | 12 | GB21-1513    | DOS/V5                   | 1   | S H     |
| COST             | VEHICLE MAINTENANCE AND COST ANALYSIS    | 5798-AAG     |     | 132     |          |          |          | 12 | GB21-0019    | DOS                      | 0   | S H     |
| >COST ACCOUNTING | JUDD & DETWEILER - P I C A S             | 5796-ABS     |     | 217     |          |          |          | 12 | G320-1432    | SYSTEM/3                 | 1   | I H     |
| >COST ACCOUNTING | S/23 CONSTR INFO - JOB COST              | 5796-ZAP     |     | 1550    |          |          |          | 01 | GB30-1728    | SYS/23 DATAMASTER        | 1   | I H     |
| >COST ACCOUNTING | S/23 JOB SHOP CONTROL - J/C              | 5796-ZAH     |     | 2800    |          |          |          | 01 | GB30-1714    | SYS/23 DATAMASTER        | 1   | I H     |
| >COST DISTRIBUTI | 5120 CONSTRUCT INFO SYS - J/C            | 5796-ZAE     |     | 2035    |          |          |          | 01 | GB30-1534    | 5120 SYSTEM              | 1   | S H     |
| >COST ESTIMATES  | S/34 CONSTRUCTION EST - CONTROL          | 5796-NXE     |     | 391     |          |          |          | 12 | GB30-1355    | SYSTEM/34                | 1   | S H     |
| >COST ESTIMATES  | S/34 CONSTRUCTION EST - GEN CONT         | 5796-NXF     |     | 517     |          |          |          | 12 | GB30-1355    | SYSTEM/34                | 1   | S H     |
| >COST ESTIMATES  | S/34 CONSTRUCTION EST-MGR EXTENS         | 5796-NYE     |     | 460     |          |          |          | 12 | GB30-1355    | SYSTEM/34                | 1   | S H     |
| >COST ESTIMATING | S/23 ESTIM & COST TRACKING SYS           | 5793-AAC     |     | 2995    |          |          |          | 01 | GB30-1758    | SYS/23 DATAMASTER        | 1   | I H     |
| >COST ESTIMATING | S/34 CONSTR ESTIM SYS - ELEC             | 5796-NXH     |     | 1060    |          |          |          | 12 | GB30-1572    | SYSTEM/34                | 1   | S H     |
| >COST/COST       | COMMITTED COST/COST HISTORY FEATURE CONS | 5726-M68/02  |     | 45      | 34       |          |          |    | GH30-0707    | SYS/34,6021              | 1   | I D     |
| >COSTING         | CONTR/SUBCONTR JOB COSTING               | 5798-AJC     |     | 107     |          |          |          | 12 | GB21-0520    | SYSTEM/3                 | 1   | I H     |
| >COSTING         | IPICS PRODUCT COSTING VERS II            | 5798-NLJ     |     | 69      |          |          |          | 24 | GB30-1026    | SYSTEM/3                 | 1   | I H     |
| >COSTING         | JOB COSTING CONSTRUCTION                 | 5725-M61     |     | 51      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1   | I C     |

KEYWORDS - ALPHABETIC SEQUENCE

1-036

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S<br>P L V |
|------------------|--|--------------|---|---------|----------|----------|----------|----|--------------|--------------------------|----------------|
| >COSTING         | JOB COSTING CONSTRUCTION                 | 5726-M61     |   | 51      |          |          |          |    | GH30-0707    | SYSTEM/34                | 1 I C          |
| >COSTING         | JOB COSTING CONSTRUCTION                 | 5726-M66     |   | 63      | 47       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D          |
| >COSTING         | PAYROLL AND LABOR COSTING CONSTRUCTION   | 5726-M69     |   | 113     | 85       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D          |
| >COSTING         | PRODUCTION CONTROL AND COSTING PCC MFG   | 5714-M41     |   | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D          |
| >COSTING         | PRODUCTION STATUS & COSTING MFG          | 5725-M31     |   | 63      |          |          |          |    | GH30-0037    | SYSTEM/32                | 1 I C          |
| >COSTING         | PRODUCTION DEFINITION & COSTING MFG      | 5725-M36     |   | 59      |          |          |          |    | GH30-0033    | SYSTEM/32                | 1 I C          |
| >COSTING         | PRODUCTION STATUS AND COSTING MFG        | 5726-M31     |   | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C          |
| >COSTING         | PRODUCT DEFINITION & COSTING MFG         | 5726-M36     |   | 59      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C          |
| >COSTING         | PRODUCTION CONTROL AND COSTING MFG PC&C  | 5726-M41     |   | 169     | 127      |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D          |
| >COSTING         | 5120 CONSTRUCT INFO SYS - J/C            | 5796-ZAE     |   | 2035    |          |          |          | 01 | GB30-1534    | 5120 SYSTEM              | 1 S H          |
| >COSTING EQUIPME | S/34 EQUIP COSTING/MAINT                 | 5796-RBW     |   | 690     |          |          |          | 12 | GB30-1511    | SYSTEM/34                | 1 I H          |
| >COULTER ELECTRO | ONLINE PURCH & RECEIVING SYS             | 5796-NLQ     |   | 345     |          |          |          | 12 | GB30-1041    | SYSTEM/3                 | 1 S H          |
| COUPLING         | IMS/V5 MULTIPLE SYSTEMS COUPLING FEATURE | 5740-XX2/03  |   | 1330    | 997      | 41       | 66       |    | GH20-1260    | 6157-6158                | 1 S K          |
| >CPA             | COMPUTING FOR AN ACCTG PRACTICE          | 5798-NRE     |   | 166     |          |          |          | 12 | GB30-1205    | 5120 SYSTEM              | 1 S H          |
| >CPA             | SYSTEM/23 CLIENT ACCOUNTING CPA          | 5715-CA1     |   | 2050    |          |          |          | 01 | GB30-2796    | SYS/23 DATAMASTER        | 1 I E          |
| CPARS            | CHECK PROCESSING ARCHIVE RETRIEVAL       | 5798-CHH     |   | 900     |          |          |          | 12 | GB21-1789    | OS/V51,OS/V52            | 1 I H          |
| CPCS             | CHECK PROCESSING CONTROL SYSTEM          | 5734-F11/01  |   | 1265    |          |          |          |    | GH20-1008    | OS/MFT/MVT/V5            | 2 I B          |
| CPCS             | CPCS INSTALLED USER EDUCATIONAL GUIDE    | 5796-001     |   | 2700    |          |          |          | 01 | G320-5807    | DOCUMENTATION MATLS      | 0 S H          |
| CPCS             | CPCS 3890 FEATURE                        | 5734-F11/02  |   | 506     |          |          |          |    | GH20-1970    | 6080-6081,6091           | 2 I B          |
| >CPF             | CONTROL PROGRAM FACILITY                 | 5714-S51     |   | 581     | 435      |          |          |    | GC21-7729    | SYSTEM/38                | 1 S A          |
| >CPM             | JOB ANALYSIS SYSTEM (JAS/34)             | 5726-XP1     |   | 134     | 101      |          |          |    | GH30-0511    | SYSTEM/34                | 1 S B          |
| >CPS             | BASE PROGRAM PREPARATION FACILITY        | 5719-PA1     | R | 113     |          |          |          | 24 | GC34-0091    | SERIES/1                 | 1 S C          |
| >CPS             | CPS ADDRESS TRANSLATOR SUPPORT           | 5799-TBT     | R | 7       |          |          |          | 24 | GC34-1601    | SERIES/1                 | 1 S C          |
| >CPS             | CPS AUTO-CALL INTERFACE                  | 5799-TBC     | R | 6       |          |          |          | 24 | SC34-1552    | SERIES/1                 | 1 S C          |
| >CPS             | CPS COMMERCIAL ARITHMETIC                | 5799-TBD     | R | 2       |          |          |          | 24 | SC34-1566    | SERIES/1                 | 1 S C          |
| >CPS             | CPS DISK TABLE OF CONTENTS               | 5799-TAW     | R | 1       |          |          |          | 24 | SC34-1561    | SERIES/1                 | 1 S C          |
| >CPS             | CPS DISK SPOOLING                        | 5799-TAY     | R | 3       |          |          |          | 24 | SC34-1563    | SERIES/1                 | 1 S C          |
| >CPS             | CPS EXTENSION I                          | 5799-TAL     | R | 2       |          |          |          | 24 | SC34-1552    | SERIES/1                 | 1 S C          |
| >CPS             | CPS EXTENSION II                         | 5799-TAQ     | R | 2       |          |          |          | 24 | SC34-1559    | SERIES/1                 | 1 S C          |
| >CPS             | CPS EXTENDED FUNCTION                    | 5799-TBQ     | R | 3       |          |          |          | 24 | GC34-1586    | SERIES/1                 | 1 S C          |
| >CPS             | CPS FORMAT/PRINT                         | 5799-TBA     | R | 3       |          |          |          | 24 | SC34-1564    | SERIES/1                 | 1 S C          |
| >CPS             | CPS OPER STATION/DEBUG PACK              | 5799-TBB     | R | 10      |          |          |          | 24 | SC34-1562    | SERIES/1                 | 1 S C          |
| >CPS             | CPS SORT/MERGE                           | 5799-TAT     | R | 6       |          |          |          | 24 | SC34-1560    | SERIES/1                 | 1 S C          |
| >CPS             | CPS 4978/4979 DISPLAY MAP                | 5799-TBE     | R | 5       |          |          |          | 24 | GC34-1585    | SERIES/1                 | 1 S C          |
| >CPS             | CPS 4963 SUBSYSTEM                       | 5799-TCZ     | R | 15      |          |          |          | 24 | GC34-1638    | SERIES/1                 | 1 S C          |
| >CPS             | CPS 4963/4966 SAVE/RESTORE               | 5799-TDK     | R | 15      |          |          |          | 24 | GC34-1622    | SERIES/1                 | 1 S C          |
| >CPS             | CPS 4969 MAG TAPE SUBSYSTEM              | 5799-TDW     | R | 56      |          |          |          | 24 | GC34-0347    | SERIES/1                 | 1 S C          |
| >CPS             | CPS 4965 SUPPORT                         | 5799-TEK     | R | 42      |          |          |          | 24 | GC34-1717    | SERIES/1                 | 1 S E          |
| >CPS             | INDEXED ACCESS METHOD CPS                | 5799-TAH     | R | 6       |          |          |          | 24 | SC34-1556    | SERIES/1                 | 1 S C          |
| >CPS             | STAND-ALONE DISK UTILITIES               | 5719-SC2     |   |         |          |          |          |    | GC34-0070    | SERIES/1                 | 0 S C          |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------------|-------------|
| >CPS             | VIRTUAL COBOL CPS                        | 5798-ZZB     |     | 58      |          |          |          | 12              | SERIES/1                       | 1 S H       |
| >CPS             | 4978/4979 DISPLAY STATION CPS            | 5799-TAK     | R   | 7       |          |          |          | 24              | GC34-1575 SERIES/1             | 1 S C       |
| >CPS             | 4979 DISPLAY STATION CPS                 | 5799-TAE     | R   | 2       |          |          |          | 24              | GC34-1554 SERIES/1             | 1 S C       |
| CPU              | CPU CONSOLE AS CICS MASTER TERMINAL      | 5798-ANK     |     | 60      |          |          |          | 12              | GB21-0800 OS/DOS CICS          | 1 S H       |
| CPX              | CAPACITY PLANNING EXTENDED               | 5798-CYM     |     | 143     |          |          |          |                 | GB21-2391 OS/VS,5798-CPR       | 1 I E       |
| CPX/VS           | CHECK PROCESSING EXECUTIVE / VS          | 5748-F54     |     | 276     |          |          |          |                 | GH20-2444 OS/VS,DOS/VSE VTAM   | 1 S B       |
| CPX/3694         | CHECK PROCESSING EXECUTIVE / 3694        | 5748-F53     |     | 52      |          |          |          |                 | GH20-2444 5748-F54             | 1 S B       |
| CREATE           | APL/DI FILE CREATE USING PL/I            | 5798-PPK     |     | 85      |          |          |          | 12              | G320-6066 5796-PJZ,-PKA,-PKB   | 1 S H       |
| CREATE           | GIS/VS UPDATE & CREATE FEATURE           | 5740-XX7/03  |     | 767     | 575      | 47       | 75       |                 | GH20-9035 6015-6017            | 2 S K       |
| CREATE           | 3661 FILE CREATION PROGRAM               | 5796-PFZ     |     | 185     |          |          |          | 12              | G320-5678 DOS/VS1,VS1,VS2,VTAM | 1 I H       |
| CREDIT           | CREDIT CARD SYSTEM - AUTHORIZATIONS      | 5796-AQQ     |     | 850     |          |          |          | 12              | G320-6162 CICS/VS DOS/VSE      | 1 S H       |
| >CREDIT          | CREDIT UNION SYSTEM - HOST               | 5796-BBW     | P   | 2250    |          |          |          | 24              | G320-6666 DOS/VS/VSE,CICS/VS   | 1 S H       |
| >CREDIT          | CREDIT UNION SYSTEM - TELLER             | 5796-BBX     | P   | 100     |          |          |          | 12              | G320-6666 5796-BBW             | 1 S H       |
| >CREDIT          | CREDIT UNION SYSTEM - ATM                | 5796-BBY     | P   | 220     |          |          |          | 24              | G320-6666 5796-BBW             | 1 S H       |
| >CREDIT          | CREDIT AUTHORIZATION                     | 5798-DEF     | P   | 2625    |          |          |          | 12              | GB21-2748 OS/VS,CICS/VS        | 1 S H       |
| CREDIT           | FINANCIAL ANALYSIS AND CREDIT EVALUATION | 5796-AWY     |     | 450     |          |          |          | 12              | G320-6171 MVS,TSO              | 1 S H       |
| >CREDIT          | RETAIL CREDIT CONTROL RETAIL             | 5726-XA5     |     | 230     | 172      |          |          |                 | GH30-0136 SYSTEM/34            | 1 I D       |
| >CREDIT          | RETAIL CREDIT SYSTEM                     | 5796-NQY     |     | 460     |          |          |          | 12              | GB30-1194 SYSTEM/32            | 1 S H       |
| >CREDIT CHECK    | S/34 APPAREL BUS SYS - A/R               | 5796-RAD     |     | 287     |          |          |          | 12              | GB30-1457 SYSTEM/34            | 1 S H       |
| >CREDIT UNION    | CREDIT UNION SYSTEM                      | 5798-MNY     |     | 460     |          |          |          | 24              | GB30-1083 SYSTEM/34            | 1 S H       |
| >CREDIT UNION    | NAVY YARD CREDIT UNION--ONLINE           | 5796-NCH     |     | 339     |          |          |          | 24              | GB30-0642 SYSTEM/3             | 1 I H       |
| >CRIME           | LAW ENFORCEMENT CRIME REPORTS            | 5701-G21     |     | 100     |          |          |          |                 | GH20-0891 SYSTEM/3             | 1 I C       |
| >CRIT PATH       | JOB ANALYSIS SYSTEM (JAS/3) MOD 8/10DISK | 5702-XP1     |     | 124     |          |          |          |                 | GH20-1085 SYSTEM/3             | 1 S C       |
| CRITERION        | CRITERION REFERENCED TEST REPORTING      | 5796-AZZ     |     | 175     |          |          |          | 12              | G320-6419 DOS/VS               | 1 S H       |
| >CROP COSTING    | S/23 CROP COSTING SYSTEM                 | 5798-RGY     |     | 2000    |          |          |          | 01              | GB30-1766 SYS/23 DATAMASTER    | 1 I H       |
| CROSS            | CROSS DOMAIN NETWORK DATA TRANSFER       | 5798-DAE     |     | 100     |          |          |          | 12              | GB21-2498 DOS/VSE,DOS/VS,OS/VS | 1 S H       |
| CROSS            | DPPX COBOL APPLICATION CROSS REFERENCE   | 5798-DDJ     |     | 20      |          |          |          | 12              | GB21-2672 DPPX                 | 1 S H       |
| CROSS            | GENERAL CROSS ASSEMBLER GENERATOR        | 5796-PKD     |     | 550     |          |          |          | 12              | G320-5824 APLSV, VSAPL         | 1 S H       |
| CROSS            | TRANSACTION CROSS REFERENCE 3600 4700    | 5796-ATR     |     | 150     |          |          |          | 12              | G320-6077 DOS/VS,OS/VS,CICS/VS | 1 S H       |
| >CROSS REFERENCE | DISK RPG II CROSS REF/DOCU AID           | 5798-AYI     |     | 161     |          |          |          | 01              | GB21-1107 SYSTEM/3             | 0 I H       |
| CROSS-REF        | COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   | 5798-CXM     |     | 110     |          |          |          | 12              | GB21-2344 OS/VS,COBOL, SORT    | 1 I H       |
| CROSS-REF        | COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   | 5798-CYG     |     | 110     |          |          |          | 12              | GB21-2344 DOS/VS,COBOL, SORT   | 1 I H       |
| >CRP             | CAPACITY REQUIREMENTS PLANNING CRP MFG   | 5714-M4G     |     | 149     | 112      |          |          |                 | GH30-0482 SYSTEM/38            | 1 I D       |
| >CRP             | CAPACITY REQUIREMENTS PLANNING MFG CRP   | 5726-M4G     |     | 149     | 112      |          |          |                 | GH30-0221 SYSTEM/34            | 1 I D       |
| CRYPTOGRAPHIC    | AMS CRYPTOGRAPHIC OPTION                 | 5750-AM8     |     | 72      | 54       | 5        | 8        |                 | GC28-1015 OS/VS1,MVS           | 1 S K       |
| CRYPTOGRAPHIC    | CRYPTOGRAPHIC UNIT SUPPORT               | 5740-XY6     |     | 311     | 233      | 25       | 40       |                 | GC28-1015 OS/VS                | 1 S K       |
| CRYPTOGRAPHIC    | PROGRAMMED CRYPTOGRAPHIC FACILITY        | 5740-XY5     |     | 347     | 260      | 25       | 40       |                 | GC28-0942 MVS                  | 1 S K       |
| CSMP             | APL CONTINUOUS SYSTEM MODELING           | 5785-KAE     |     | 95      |          |          |          | 24              | G320-6081 VSAPL                | 1 S H       |
| CSMP             | GRAPHICS FEATURE FOR CSMP III            | 5734-XS9/02  |     | 385     |          |          |          |                 | GH19-7000 6065-6067            | 1 I C       |
| CSMP III         | CONTINUOUS SYSTEM MODELING PROGRAM III   | 5734-XS9/01  |     | 98      |          |          |          |                 | GH19-7000 VS1/VS2/VH           | 1 I C       |

KEYWORDS - ALPHABETIC SEQUENCE

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CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| CT               | CHANGE TRACKER                           | 5740-DC4     |     | 165     |          |          |          |    | GH19-6028    | OS/VS                    | 1 S C       |
| CTAM             | CONSUMER TERMINAL ACCESS METHOD - CTAM   | 5799-AZN     |     | 290     |          |          |          |    | GH20-4576    | 3624 DEVICES             | 1 S C       |
| >CTDC TELEPHONE  | S/1 CENTRAL TOLL DATA COLLEC             | 5798-NYG     |     | 185     |          |          |          | 12 | GB30-1651    | SERIES/1                 | 1 S H       |
| >CTF             | S/34 APPLIC SUPPORT FOR 3624 CTF         | 5798-RDP     |     | 800     |          |          |          | 12 | GB30-1626    | SYSTEM/34                | 1 S H       |
| >CTRL            | RELEA CTRL FOR SUPPLIERS TO THE AUTO IND | 5725-M65     |     | 84      |          |          |          |    | GH30-0014    | SYSTEM/32                | 1 S C       |
| >CTRL            | SHIP CTRL FOR SUPPLIERS TO THE AUTO IND  | 5725-M44     |     | 77      |          |          |          |    | GH30-0013    | SYSTEM/32                | 1 S C       |
| >CUMULATIVE LOAD | S/34 WORK STATION UTILIZ ANALY           | 5796-RDN     |     | 270     |          |          |          | 01 | GB30-1598    | SYSTEM/34                | 1 S H       |
| CUSTOMER         | CUSTOMER INFORMATION SYSTEM DESIGN SVC   | 5712-AAA/01  |     | 2055    |          |          |          | 12 | GE20-0441    |                          | 0 S         |
| CUSTOMER         | CUSTOMER INFORMATION SYSTEM DESIGN SVC   | 5712-AAA/02  |     | 363     |          |          |          | 12 | GE20-0441    | 9096                     | 0 S         |
| >CUSTOMER        | CUSTOMER SERVICE BILLING DISTRIBUTION    | 5714-D41     |     | 113     | 85       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D       |
| >CUSTOMER        | CUSTOMER INFORMATION FILE BANKING        | 5725-F11     |     | 101     |          |          |          |    | GH30-0358    | SYSTEM/32                | 1 I C       |
| >CUSTOMER        | CUSTOMER INFORMATION FILE BANKING        | 5726-F11     |     | 167     |          |          |          |    | G360-0050    | SYSTEM/34                | 1 I D       |
| CUSTOMER         | CUSTOMER INFORMATION CONTROL SYSTEM      | 5734-XX7     |     | 823     |          |          |          |    | GH20-1028    | OS                       | 2 S C       |
| CUSTOMER         | CUSTOMER INFORMATION CONTROL SYSTEM      | 5736-XX6     |     | 235     |          |          |          |    | GH20-1028    | DOS                      | 2 S C       |
| CUSTOMER         | CUSTOMER INFORMATION CONTROL SYSTEM      | 5736-XX7     |     | 588     |          |          |          |    | GH20-1028    | DOS                      | 2 S C       |
| CUSTOMER         | CUSTOMER INFORMATION CONTROL SYSTEM      | 5740-XX1     |     | 1425    | 1065     | 116      | 186      |    | GC33-0066    | OS/VS                    | 2 S K       |
| CUSTOMER         | CUSTOMER INFORMATION FACILITY            | 5740-XYB     |     | 2150    |          |          |          |    | GH20-2018    | IMS/VS                   | 2 S B       |
| CUSTOMER         | CUSTOMER INFORMATION FACILITY            | 5740-XYC     |     | 1910    |          |          |          |    | GH20-2018    | CICS/OS/VS               | 2 S B       |
| CUSTOMER         | CUSTOMER INFORMATION FACILITY            | 5746-XXS     |     | 974     |          |          |          |    | GH20-2018    | CICS/DOS/VS              | 2 S B       |
| CUSTOMER         | CUSTOMER INFORMATION CONTROL SYSTEM      | 5746-XX3/01  |     | 450     | 337      | 116      | 186      |    | GC33-0066    | DOS/VSE                  | 2 S K       |
| CUSTOMER         | CUSTOMER ORDER SERVICING DATA MANAGEMENT | 5785-DCN     |     | 195     |          |          |          |    | GB21-2633    | DOS/VSE, OS/VS           | 1 S E       |
| CUSTOMER         | CUSTOMER ORDER SERVICING ORDER MANAGEMNT | 5785-DCP     |     | 195     |          |          |          |    | GB21-2633    | DOS/VSE, OS/VS           | 1 S E       |
| >CUSTOMER ACCTG  | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NED     |     | 373     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >CUSTOMER ACCTG  | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEF     |     | 339     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >CUSTOMER ACCTG  | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEJ     |     | 264     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >CUSTOMER ACCTG  | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEN     |     | 276     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >CUSTOMER INFO   | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NED     |     | 373     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >CUSTOMER ORDER  | S/34 APPAREL BUS SYS - OA                | 5796-RAE     |     | 258     |          |          |          |    | GH20-1457    | SYSTEM/34                | 1 S H       |
| >CUSTOMER REPORT | PUBLIC WHSE INVTY CONTROL                | 5796-NTN     |     | 276     |          |          |          |    | GH20-1250    | SYSTEM/32                | 1 S H       |
| >CUSTOMER SERVIC | PUBLIC UTILITY CUST SERVICE SYS          | 5798-NQG     |     | 287     |          |          |          | 12 | GB30-1159    | SYSTEM/34                | 1 S H       |
| >CUSTOMER SERVIC | S/34 CABLE TV O/L CUSTOMER SERV          | 5796-NZW     |     | 356     |          |          |          | 24 | GB30-1426    | SYSTEM/34                | 1 S H       |
| >CUSTOMIZATION   | S/3 TO S/38 BATCH CONVERSION AID         | 5798-RBC     |     | 690     |          |          |          | 01 | GB30-1504    | SYSTEM/38                | 0 S H       |
| CUSTOMIZED       | VSPC CUSTOMIZED FOREGROUND FACILITY      | 5798-DEF     |     | 110     |          |          |          | 12 | GB21-2733    | OS/VS                    | 1 S H       |
| CUSTOMIZER       | PROGRAM CUSTOMIZER / 3600 4700           | 5740-F11     |     | 1740    |          |          |          |    | GH20-1587    | OS/VS                    | 1 I B       |
| CUSTOMIZER       | PROGRAM CUSTOMIZER / 3600 4700           | 5746-F11     |     | 966     |          |          |          |    | GH20-1587    | DOS/VSE                  | 1 I B       |
| CUSTOMIZER       | 3650 POINT OF SALE REPORT CUSTOMIZER     | 5748-D15     |     | 9       |          |          |          | 48 | GC30-3054    | 3650                     | 1 S A       |
| >CUTTING PLAN    | S/34 STRIP & BAR CUTTING OPTIMIZ         | 5798-NZC     |     | 75      |          |          |          | 12 | GB30-1406    | SYSTEM/34                | 1 S H       |
| CYCLE            | 3890 CYCLE SORT                          | 5798-CHD     |     | 549     |          |          |          | 12 | GB21-1781    | DOS/VS                   | 1 I H       |
| CYCLE            | 3890 DOS/VS CYCLE SORT                   | 5798-CQX     |     | 408     |          |          |          | 12 | GB21-2165    | DOS/VS, 5798-BDC         | 1 S H       |
| >DAIRY ENTERPRIS | S/23 DAIRY HERD/HEALTH MGMT SYS          | 5796-ZAX     |     | 2000    |          |          |          | 01 | GB30-1780    | SYS/23 DATAMASTER        | 1 I H       |

| KEYWORD          | PROGRAM INFORMATION                    | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >DAKOTA HOSPITAL | DAKOTA HOSPITAL FINANCIAL SYS          | 5796-AAJ     |     | 189     |          |          |          | 12         | G320-1402 SYSTEM/3             | 1 I H       |
| DASD             | DASD DEVICE INDEPENDENCE ROUTINES      | 5798-ALK     |     | 55      |          |          |          | 24         | GB21-0686 DOS                  | 0 I H       |
| DASD             | DASD SEEK SIMULATOR                    | 5798-CTD     |     | 125     |          |          |          | 12         | GB21-2217 OS/V5                | 1 I H       |
| DASD             | DOS/V5 DASD DEVICE INDEPENDENCE OPEN   | 5798-AWH/01  |     | 43      |          |          |          | 24         | GB21-1002 DOS/V5               | 0 I H       |
| DASD             | DOS/V5 DASD DI-OPEN ENHANCEMENT        | 5798-AWH/02  |     | 150     |          |          |          | 01         | GB21-1002 9015                 | 0 I H       |
| DASD             | DOS/V5 DASD SPACE UTILIZATION ANALYSIS | 5798-CHW     |     | 64      |          |          |          | 12         | GB21-1810 DOS/V5               | 1 S H       |
| DASD AID         | DIRECT ACCESS STORAGE DEVICE MIGRATION | 5668-002     |     | 1150    |          |          |          | 01         | GC26-3972 OS/V5,5740-SM1       | 0 I C       |
| DASDR            | DIRECT ACCESS STORAGE DUMP RESTORE     | 5740-UT1     |     | 157     |          |          |          |            | 6H20-9116 OS/V51,OS/V52,OS/MFT | 1 S C       |
| DASF             | DBOMP CICS / DASF FEATURE              | 5736-XX4/03  |     | 105     |          |          |          |            | 6H20-4621 6041-6046            | 2 S C       |
| >DATA ACQUISITIO | S/1 EDX LAB AUTOMATION                 | 5798-RHB     |     | 300     |          |          |          | 12         | GB30-1688 SERIES/1             | 1 S H       |
| >DATA BASE MAINT | IPICS ONLINE MAT MGNT/DATA MAINT       | 5798-NLR     |     | 287     |          |          |          | 12         | GB30-1039 SYSTEM/3             | 1 I H       |
| >DATA BASE TECH  | DATA BASE TECHNIQUES                   | 5798-NQK     |     | 138     |          |          |          | 06         | GB30-1170 SYSTEM/34            | 1 S H       |
| >DATA BASE TECH. | DATA BASE TECHNIQUES                   | 5798-NKG     |     | 115     |          |          |          | 06         | GB30-0959 SYSTEM/3             | 1 S H       |
| >DATA BASE TECH. | DATA BASE TECHNIQUES                   | 5798-NLA     |     | 104     |          |          |          | 06         | GB30-0995 SYSTEM/32            | 1 S H       |
| >DATA CAPTURE    | S/1 DATA CAPTURE/INTER EDIT B/C        | 5798-RHP     |     | 150     |          |          |          | 12         | GB30-1708 SERIES/1             | 1 S H       |
| >DATA COLL & DIS | POINT OF SALE DATA COLLECTION          | 5798-NVA     |     | 258     |          |          |          | 12         | GB30-1397 SERIES/1             | 1 S H       |
| >DATA COLL & INQ | ONLINE DATA COLL & INQUIRY             | 5798-NNG     |     | 230     |          |          |          | 12         | GB30-1060 SYSTEM/3             | 1 S H       |
| >DATA COLLECTION | S/1 AIR QUALITY MONITORING SYS         | 5798-RDQ     |     | 560     |          |          |          | 12         | GB30-1591 SERIES/1             | 1 S H       |
| >DATA COLLECTION | S/1 DATA COLLEC EDIT & TRANSMIT        | 5798-RCX     | P   | 138     |          |          |          | 12         | GB30-1552 SERIES/1             | 1 S H       |
| >DATA COLLECTION | S/1 DATA CAPTURE/INTER EDIT B/C        | 5798-RHP     |     | 150     |          |          |          | 12         | GB30-1708 SERIES/1             | 1 S H       |
| >DATA COLLECTION | S/34 BAR CODE PRINT FOR MAPICS         | 5798-RHN     |     | 150     |          |          |          | 06         | GB30-1706 SYSTEM/34            | 1 S H       |
| >DATA COLLECTION | S/34 DATA COLLEC HOST                  | 5798-RDX     |     | 69      |          |          |          | 01         | GB30-1552 SYSTEM/34            | 1 S H       |
| >DATA COLLECTION | S/34 ONLINE DATA COLLECT/INQUIRY       | 5798-NNE     |     | 115     |          |          |          | 12         | GB30-1054 SYSTEM/34            | 1 S H       |
| >DATA COLLECTION | 5260 POS DATA CONVERSION SYSTEM        | 5798-NVC     |     | 86      |          |          |          | 12         | GB30-1348 5120 SYSTEM          | 1 S H       |
| >DATA CONTROL    | IPICS ENG/PROD DATA CTL VER II         | 5798-NLH     |     | 172     |          |          |          | 24         | GB30-1024 SYSTEM/3             | 1 I H       |
| >DATA CONVERSION | DATA CONVERSION SYSTEM                 | 5798-NXA     |     | 113     |          |          |          | 24         | GB30-1290 SYSTEM/3             | 1 S H       |
| >DATA ENCRYPTION | DES PIN GENERATION PROGRAM             | 5798-NNX     |     | 920     |          |          |          | 01         | GB30-1077 SYSTEM/3             | 0 S H       |
| >DATA ENTRY      | AUDIO SUPPORT FOR TOUCH-TONE           | 5798-NXX     |     | 201     |          |          |          | 12         | GB30-1350 SERIES/1             | 1 S H       |
| >DATA ENTRY      | INTELLIGENT DATE ENTRY SYSTEM          | 5798-NPY     | P   | 63      |          |          |          | 12         | GB30-1134 SERIES/1             | 1 S H       |
| >DATA ENTRY      | INTELLIGENT DATA ENTRY SYS II          | 5798-NXQ     | P   | 109     |          |          |          | 24         | GB30-1352 SERIES/1             | 1 S H       |
| >DATA ENTRY      | S/1 EDX FILE CREATION                  | 5798-RBL     | P   | 46      |          |          |          | 12         | GB30-1496 SERIES/1             | 1 S H       |
| >DATA ENTRY/EDIT | 5280 CONSTR DATA ENTRY/EDIT            | 5798-RBZ     |     | 50      |          |          |          | 12         | GB30-1516 5280 DATA SYSTEM     | 1 S H       |
| >DATA FILE       | ONLINE DATA FILE DISPLAY PROGRAM       | 5798-NRG     |     | 287     |          |          |          | 01         | GB30-0701 SYSTEM/3             | 0 S H       |
| >DATA FILES      | S/1 EDX FILE CREATION                  | 5798-RBL     | P   | 46      |          |          |          | 12         | GB30-1496 SERIES/1             | 1 S H       |
| >DATA GENERATORS | MANUFACTURING DATA GENERATORS          | 5796-NTB     |     | 81      |          |          |          | 06         | GB30-1222 SYSTEM/32            | 1 S H       |
| >DATA INDEPENDEN | S/3 COBOL DATA BASE TECHNIQUES         | 5798-NXC     |     | 190     |          |          |          | 06         | GB30-1472 SYSTEM/3             | 1 S H       |
| >DATA PROCESSING | CHAMPION DISTRIBUTED PROC SYSTEM       | 5796-NRD     | P   | 195     |          |          |          | 12         | GB30-1207 SERIES/1             | 1 S H       |
| >DATA RETRIEVAL  | BUSINESS REPORT/APPL DEV SYS II        | 5798-NXT     |     | 98      |          |          |          | 12         | GB30-1341 5120 SYSTEM          | 1 S H       |
| >DATA TRANSFER   | S/3 TO 3741 DATA TRANSFER              | 5798-AZZ     |     | 62      |          |          |          | 06         | GB21-1207 SYSTEM/3             | 1 I H       |
| >DATA TRANSFER   | SYS/32 TO 3741 DATA TRANSFER           | 5798-NLB     |     | 63      |          |          |          | 06         | GB30-1004 SYSTEM/32            | 1 S H       |

KEYWORDS - ALPHABETIC SEQUENCE

1-040

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >DATA TRANSMISSI | REMOTE JOB ENTRY FOR POWER/VS            | 5796-NTR     |     | 172     |          |          |          | 06 GB30-1253 | SYSTEM/34                | 1 S H       |
| >DATA TRANSMISSI | S/34 CENTRAL SITE MAINTENANCE            | 5798-RBD     |     | 92      |          |          |          | 06 GB30-1494 | SYSTEM/34                | 1 S H       |
| DATA-NAMES       | COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   | 5798-CXW     |     | 110     |          |          |          | 12 GB21-2344 | OS/VS, COBOL, SORT       | 1 I H       |
| DATA-NAMES       | COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   | 5798-CVG     |     | 110     |          |          |          | 12 GB21-2344 | DOS/VS, COBOL, SORT      | 1 I H       |
| DATA-SET         | CICS/VS DATA-SET RECOVERY FACILITY       | 5798-CJF     |     | 56      |          |          |          | 12 GB21-1837 | OS/VS, DOS/VS            | 1 S H       |
| DATA-SET         | DATA-SET CONVERSION AID DOS 3330 3340    | 5798-AMN     |     | 275     |          |          |          | 01 GB21-0740 | DOS                      | 0 I H       |
| DATA-SET         | DATA-SET MIGRATION AND PLANNING AID      | 5798-DCK     |     | 145     |          |          |          | 12 GB21-2614 | OS/VS                    | 1 S H       |
| DATA-SET         | OS/VS DATA-SET EDITOR                    | 5798-CXQ     |     | 100     |          |          |          | 12 GB21-2350 | OS/VS                    | 1 S H       |
| DATA-SET         | TSO DATA-SET PRINT                       | 5798-CPF/01  |     | 200     |          |          |          | 24 GB21-2069 | OS/VS2 (MVS)             | 1 S H       |
| DATA-SET         | TSO DATA-SET PRINT - VTAM EXTENSIONS     | 5798-CPF/02  |     | 76      |          |          |          | 12 GB21-2069 | 6025-6026                | 1 S H       |
| DATA-SET         | VSE FAST COPY DATA-SET PROGRAM           | 5746-AM4     |     | 417     |          |          |          | 01 GC33-6081 | DOS/VSE                  | 1 S L       |
| DATA-SET         | 3790 / 3770 PVS DATA-SET TEST SUPPORT    | 5798-CPG     |     | 80      |          |          |          | 12 GB21-2073 | OS/VS, DOS/VS            | 1 I H       |
| DATA-SET         | 8100 DPCX 3790 DATA-SET UTILITY PROGRAM  | 5785-DCL     |     | 115     |          |          |          | 12 GB21-2535 | VS1 DOS/VSE              | 1 S H       |
| >DATA/3          | DATA ENTRY AND FILE MAINT MOD 8/10 DISK  | 5702-XX1     |     | 171     |          |          |          | SC21-5102    | SYSTEM/3                 | 1 S C       |
| >DATA/3          | DATA/3 - 15ABC                           | 5704-XX1     |     | 205     |          |          |          | SC21-5102    | SYSTEM/3                 | 1 S C       |
| >DATA/3          | DATA/3 - 15D                             | 5704-XX3     |     | 235     |          |          |          | SC21-5102    | SYSTEM/3                 | 1 S C       |
| >DATA/3          | DATA/3 MOD 12                            | 5705-XX1     |     | 163     |          |          |          | GC21-5210    | SYSTEM/3                 | 1 S C       |
| >DATABASE        | BUSINESS REPORT/APPL DEV SYS             | 5798-NPL     |     | 58      |          |          |          | 12 GB30-1122 | 5120 SYSTEM              | 1 L H       |
| >DATABASE TECH   | S/3 COBOL DATA BASE TECHNIQUES           | 5798-NXC     |     | 190     |          |          |          | 06 GB30-1472 | SYSTEM/3                 | 1 S H       |
| >DATAMASTER      | DATAMASTER WORD AND TEXT PROCESSING      | 5715-WP1     |     | 500     |          |          |          | 01 GC34-0417 | SYS/23 DATAMASTER        | 1 I E       |
| >DATAREP         | RETAIL DATA PREPARATION 5260             | 5714-XA4     |     | 129     | 97       |          |          | GH30-0136    | SYSTEM/38                | 1 I D       |
| >DATASET         | CICS/VS ONLINE DATASET RECOVERY FACILITY | 5798-DHL     |     | 670     |          |          |          | 01 GB21-2911 | CICS/DOS NON-DL/I        | 1 S H       |
| DB/DC            | DB/DC DATA DICTIONARY                    | 5740-XXF     |     | 805     | 603      | 84       | 134      | GH20-9104    | IMS/VS DL/1 OS/VS        | 2 S K       |
| DB/DC            | DB/DC DATA DICTIONARY                    | 5746-XXC     |     | 366     | 274      | 66       | 105      | GH20-9193    | DOS/VS, DL/1, CICS/VS    | 2 S K       |
| DB/DC            | DOS/VSE SYSTEM IPO/E - DB/DC             | 5750-AAA     |     | *       | *        | *        | *        | GC20-1935    | DOS/VSE                  | ** *        |
| DBDA             | DATA BASE DESIGN AID VERSION 2           | 5740-XVB     |     | 392     |          |          |          | GH20-1626    | OS/VS                    | 1 I C       |
| DBDA             | DATA BASE DESIGN AID VERSION 2           | 5746-XXQ     |     | 302     |          |          |          | GH20-1626    | DOS/VS                   | 1 I C       |
| DBOMP            | DATA BASE ORGANIZATION AND MAINTENANCE   | 5736-XX4/01  |     | 115     |          |          |          | GH20-0771    | DOS, DOS/VS              | 2 S C       |
| DBOMP            | DBOMP CICS FEATURE                       | 5736-XX4/02  |     | 85      |          |          |          | GH20-6446    | 6024-6028                | 2 S C       |
| DBOMP            | DBOMP CICS / DASF FEATURE                | 5736-XX4/03  |     | 105     |          |          |          | GH20-4621    | 6041-6046                | 2 S C       |
| DBPROTOTYPE      | DBPROTOTYPE II                           | 5796-PJK     |     | 180     |          |          |          | G320-5754    | IMS/VS V1R2              | 1 S E       |
| >DBT/3           | DATA BASE TECHNIQUES                     | 5798-NKG     |     | 115     |          |          |          | 06 GB30-0959 | SYSTEM/3                 | 1 S H       |
| >DBT/32          | DATA BASE TECHNIQUES                     | 5798-NLA     |     | 104     |          |          |          | 06 GB30-0995 | SYSTEM/32                | 1 S H       |
| >DBT/34          | DATA BASE TECHNIQUES                     | 5798-NQK     |     | 138     |          |          |          | 06 GB30-1170 | SYSTEM/34                | 1 S H       |
| DC               | DC ANALYZER                              | 5796-PCA     |     | 248     |          |          |          | 12 G320-1532 | OS, OS/VS, IMS/VS        | 1 S H       |
| DC               | DOS/VSE SYSTEM IPO/E - DC                | 5750-AAB     |     | *       | *        | *        | *        | GC20-1935    | DOS/VSE                  | ** *        |
| DC               | IMS DC PROGRAMMING COURSE                | 5798-CGX     |     | 136     |          |          |          | 12 GB21-1763 | IIS, IIPS                | 1 L H       |
| >DCD COMPANY     | S/23 JOB SHOP CONTROL - J/C              | 5796-ZAH     |     | 2800    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >DCD COMPANY     | S/23 JOB SHOP CONTROL - A/P              | 5796-ZAJ     |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >DCD COMPANY     | S/23 JOB SHOP CONTROL - A/R              | 5796-ZAK     |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >DCD COMPANY     | S/23 JOB SHOP CONTROL - P/R             | 5796-ZAL     |     | 1200    |          |          |          |    | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >DCD COMPANY     | S/23 JOB SHOP CONTROL - G/L             | 5796-ZAN     |     | 1200    |          |          |          |    | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >DCD COMPANY     | 5120 JOB SHOP SYS - JOB COST            | 5796-RCB     |     | 287     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >DCD COMPANY     | 5120 JOB SHOP SYS - A/P                 | 5796-RCC     |     | 126     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >DCD COMPANY     | 5120 JOB SHOP SYS - P/R                 | 5796-RCD     |     | 126     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >DCD COMPANY     | 5120 JOB SHOP SYS - A/R                 | 5796-RCE     |     | 132     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >DCD COMPANY     | 5120 JOB SHOP SYS - G/L                 | 5796-RCF     |     | 132     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| DCF              | DCF FOREGROUND: CMS TSO ATMS III        | 5748-XX9/02  |     | 53      |          |          |          |    | GH20-9158    | 6043-4,6072-3,6076-7     | 1 S L       |
| DCF              | DOCUMENT COMPOSITION FACILITY - DCF     | 5748-XX9/01  |     | 281     |          |          |          |    | GH20-9158    | 05/DOS/VM                | 1 S L       |
| DCF              | DOCUMENT COMPOSITION TRAINING           | 5796-PNE     |     | 100     |          |          |          |    | 12 G320-6331 | ITS, IIPS                | 1 I H       |
| >DCF             | 3270 DCF FEATURE MOD 10 DISK            | 5702-RG1/06  |     | 29      |          |          |          |    | SC21-5161    | 6070                     | 1 S C       |
| >DCF             | 3270 DCF FEATURE                        | 5704-RG1/02  |     | 29      |          |          |          |    | 01 SC21-5161 | 6005-7                   | 1 S C       |
| >DCF             | 3270 DCF FEATURE MOD 12                 | 5705-RG1/02  |     | 26      |          |          |          |    | 01 SC21-5161 | 6003-4                   | 1 S C       |
| DCF/6670         | DOCUMENT COMPOSITION FACILITY FOR 6670  | 5798-DBR     |     | 56      |          |          |          |    | 12 GB21-2563 | VM/CMS MVS               | 1 S H       |
| >DCIS ADS        | DISTRIBUTION CONSTRUCTION INFORMATION   | 5712-AAB     |     | 5000    |          |          |          |    | 12 GE20-0613 | DOS/OS/TMS/CICS/VS       | 0 S         |
| >DCL PROGRAM     | S/34 MICR PROGRAM GENERATOR             | 5798-RBE     |     | 63      |          |          |          |    | 12 GB30-1476 | SYSTEM/34                | 1 S H       |
| DCMS             | DPPX DATA CAPTURE AND MANAGEMENT SYSTEM | 5760-XR6     |     | 95      | 71       | 23       | 37       |    | GH20-2421    | DPPX                     | 1 S K       |
| >DCSS            | DATA COLL SYS SUPPORT 5230 MFG DCSS     | 5714-M4A     |     | 100     | 75       |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D       |
| >DCSS            | 5230 DATA COLLECT SYS SUPPORT FOR S/32  | 5725-M3A     |     | 63      |          |          |          |    | GH30-0016    | SYSTEM/32                | 1 I C       |
| >DCSS            | 5230 DATA COLLECTION SUPPORT FOR S/34   | 5726-M3A     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C       |
| >DCSS/3          | DATA COLLECTION SYSTEM SUPPORT MOD 12   | 5705-M31     |     | 44      |          |          |          |    | GH30-0204    | SYSTEM/3                 | 1 S C       |
| >DDA             | DEMAND DEPOSIT ACCOUNTING BANKING       | 5725-F12     |     | 94      |          |          |          |    | GH30-0359    | SYSTEM/32                | 1 I C       |
| >DDA             | DEMAND DEPOSIT ACCOUNTING BANKING       | 5726-F12     |     | 150     |          |          |          |    | G360-0050    | SYSTEM/34                | 1 I D       |
| >DDA             | INTEGR CUST ACCT & PROF FOR FIN         | 5798-NEF     |     | 339     |          |          |          |    | 12 GB30-0763 | SYSTEM/3                 | 1 I H       |
| >DDFF            | DISTRIBUTED DISK FILE FACILITY DDF      | 5799-BCP     |     | 93      | 61       |          |          |    | GC21-7872    | SYSTEM/34                | 1 S A       |
| >DDFF            | S/3-15D DDF                             | 5799-BCQ     |     | 106     |          |          |          |    | GC21-7874    | SYSTEM/3                 | 1 S A       |
| >DE/RPG          | DE/RPG                                  | 5708-DE1     |     | 12      | 9        |          |          |    | GC21-7792    | 5280 DATA SYSTEM         | 1 S A       |
| >DEACONESS HOSPI | DEACONESS HOSP--ONLINE ADMISSION        | 5796-NJB     |     | 322     |          |          |          |    | 12 GB30-0889 | SYSTEM/3                 | 1 I H       |
| >DEALER          | DEALER PARTS INVTY COMM SYSTEM          | 5798-NZL     |     | 86      |          |          |          |    | 12 GB30-1443 | 5120 SYSTEM              | 1 S H       |
| >DEALER          | HVY EQUIP DLR PARTS OE/INV STAT         | 5796-NMZ     |     | 575     |          |          |          |    | 12 GB30-1322 | SERIES/1                 | 1 S H       |
| >DEALER PARTS    | S/34 DEALER PARTS INVTY                 | 5798-RBG     |     | 287     |          |          |          |    | 24 GB30-1498 | SYSTEM/34                | 1 S H       |
| >DEALERS         | ACCOUNTS RECEIVABLE LUMBER DEALERS      | 5725-D4B     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >DEALERS         | ACCOUNTS RECEIVABLE LUMBER DEALERS      | 5726-D4F     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >DEALERS         | BILLING LUMBER DEALERS                  | 5725-D4F     |     | 98      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >DEALERS         | BILLING LUMBER DEALERS                  | 5726-D4F     |     | 100     |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >DEALERS         | INVENTORY CONTROL LUMBER DEALERS        | 5725-D4D     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >DEALERS         | INVENTORY CONTROL LUMBER DEALERS        | 5726-D4G     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >DEALERS         | SALES ANALYSIS LUMBER DEALERS           | 5725-D49     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >DEALERS         | SALES ANALYSIS LUMBER DEALERS           | 5726-D4H     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| DEBT             | LONG TERM DEBT MANAGEMENT SYSTEM        | 5796-AXZ     |     | 285     |          |          |          |    | 12 G320-6330 | VSAPL                    | 1 S H       |

KEYWORDS - ALPHABETIC SEQUENCE

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CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T | I | S |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|---|---|---|
|                  |   |              |     |         |          |          |          |    |              |                          | P | L | V |
| DEBUG            | CICS/VS ONLINE TEST DEBUG II              | 5796-AHJ     |     | 86      |          |          |          |    | G320-5710    | DOS/VS,OS/VS             | 1 | S | E |
| DEBUG            | COBOL INTERACTIVE DEBUG                   | 5734-CB4     |     | 351     |          |          |          |    | GC28-6454    | TSO/CMS                  | 1 | S | B |
| DEBUG            | COBOL INTERACTIVE DEBUG TRAINING          | 5798-CX      |     | 160     |          |          |          | 12 | GB21-1930    | IIS,IIPS                 | 1 | L | H |
| >DEBUG           | COBOL INTERACTIVE DEBUG TRAINING II       | 5798-DFZ     |     | 995     |          |          |          | 01 | GB21-2825    | IIS,IIPS                 | 1 | L | H |
| DEBUG            | DOS/VS INTERACTIVE DEBUG FACILITY         | 5798-CXF     |     | 90      |          |          |          | 12 | GB21-1897    | DOS/VS                   | 1 | S | H |
| DEBUG            | FORTAN INTERACTIVE DEBUG                  | 5734-F05     |     | 240     |          |          |          |    | GC26-3983    | 5734-F01/Q2/O3           | 1 | S | B |
| >DEBUG           | 3650 APPLICATION DEVELOPMENT DEBUG        | 5798-DG5     |     | 70      |          |          |          | 12 | GB21-2883    | OS/VS,DOS/VSE            | 1 | S | H |
| DEBUGGING        | DMS/CICS/VS ONLINE DEBUGGING AID          | 5798-DEC     |     | 50      |          |          |          | 12 | GB21-2727    | OS/VS,DOS/VSE            | 1 | S | H |
| >DEBUGGING AID   | DEBUGGING AID                             | 5796-NPP     | P   | 189     |          |          |          | 01 | GB30-1098    | SERIES/1                 | 0 | S | H |
| DECISION         | APL DECISION TABLE PROCESSOR & CODE GEN.  | 5796-PJB     |     | 500     |          |          |          | 12 | G320-5738    | APLSV,VSAPL              | 1 | S | H |
| DECISION         | PLANNING CONTROL & DECISION EVALUATION    | 5740-XX8     |     | 764     |          |          |          |    | GH19-1103    | CICS/IMS VM TSO          | 2 | S | B |
| DECISION         | PLANNING CONTROL & DECISION EVALUATION    | 5740-XX9     |     | 625     |          |          |          |    | GH19-1103    | OS/VS                    | 2 | I | B |
| DECISION         | PLANNING CONTROL & DECISION EVALUATION    | 5746-XXA     |     | 625     |          |          |          |    | GH19-1103    | DOS/VS                   | 2 | I | B |
| DECISION         | PLANNING CONTROL & DECISION EVALUATION    | 5746-XX9     |     | 764     |          |          |          |    | GH19-1103    | CICS/DOS/VS              | 2 | S | B |
| >DECLINING BALAN | S/34 FIXED ASSET ACCTG/CTL II             | 5798-RJH     |     | 2100    |          |          |          | 01 | GB30-1787    | SYSTEM/34                | 1 | S | H |
| DECRYPT          | ACF/VTAM - ENCRYPT / DECRYPT FEATURE      | 5735-RC2/03  |     | 190     | 142      | 5        | 8        |    | GC38-0285    | 6010                     | 1 | S | K |
| >DEDUCTIONS      | S/23 CONSTR INFO - PAYROLL                | 5796-ZAQ     |     | 1750    |          |          |          | 01 | GB30-1728    | SVS/23 DATAMASTER        | 1 | I | H |
| DEFINITION       | ACF/VTAM & NOSP DEFINITION AID            | 5796-PKY     |     | 600     |          |          |          | 01 | G320-6060    | OS/VS                    | 0 | S | H |
| DEFINITION       | AUTOMATIC TCAM NETWORK DEFINITION         | 5798-CYH     |     | 175     |          |          |          | 12 | GB21-2375    | OS/VS                    | 1 | I | H |
| DEFINITION       | DPPX INTERACTIVE MAP DEFINITION FEATURE   | 5660-264/02  |     | 151     | 113      | 16       | 25       |    | GC33-0122    | 6000                     | 1 | S | K |
| DEFINITION       | DPPX INTERACTIVE MAP DEFINITION FEATURE   | 5760-XR1/02  |     | 103     | 77       | 13       | 21       |    | GC33-0090    | 6000                     | 1 | S | K |
| >DEFINITION      | PRODUCTION DEFINITION & COSTING MFG       | 5725-M36     |     | 59      |          |          |          |    | GH30-0033    | SYSTEM/32                | 1 | I | C |
| >DEFINITION      | PRODUCT DEFINITION & COSTING MFG          | 5726-M36     |     | 59      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 | I | C |
| DEFINITION       | SCREEN DEFINITION FACILITY / CICS         | 5740-XYF     |     | 278     | 208      | 44       | 70       |    | GH19-6087    | OS/VS                    | 1 | S | K |
| DEFINITION       | SCREEN DEFINITION FACILITY / CICS         | 5746-XXT     |     | 221     | 165      | 44       | 70       |    | GH19-6087    | DOS/VSE                  | 1 | S | K |
| DEGREE           | 3800 90 DEGREE PRINT PROGRAM              | 5796-ARE     |     | 260     |          |          |          | 12 | G320-5825    | OS/VS                    | 1 | S | H |
| DEGREE           | 3800 90 DEGREE PRINT PROGRAM              | 5796-AMX     |     | 260     |          |          |          | 12 | G320-5825    | DOS/VSE                  | 1 | S | H |
| DEGREE           | 3800 90 DEGREE PRINT EXTENSIONS           | 5796-BAC     |     | 65      |          |          |          | 12 | G320-6418    | 5796-ARE,-AMX            | 1 | S | H |
| DELIVERY         | DIRECT STORE VENDOR DELIVERY CONTROL      | 5796-BBE     |     | 655     |          |          |          | 24 | G320-6423    | DOS/VS CICS DL/I         | 1 | S | H |
| DELTA            | LDMS II - NORMAL VALUE / DELTA CHECKING   | 5798-DCH     |     | 390     |          |          |          | 12 | GB21-2602    | 5796-APB OR -AWC         | 1 | S | H |
| DEMAND           | COMMERCIAL BANK DEMAND DEPOSIT ACCOUNTING | 5746-F61     |     | 365     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/VS       | 1 | S | B |
| >DEMAND          | DEMAND DEPOSIT ACCOUNTING BANKING         | 5725-F12     |     | 94      |          |          |          |    | GH30-0359    | SYSTEM/32                | 1 | I | C |
| >DEMAND          | DEMAND DEPOSIT ACCOUNTING BANKING         | 5726-F12     |     | 150     |          |          |          |    | G360-0050    | SYSTEM/34                | 1 | I | D |
| DEMAND           | DEMAND DEPOSIT / SAVINGS MEMO POST        | 5796-AZF     |     | 822     |          |          |          | 24 | G320-6350    | CICS/VS TO DL/I          | 1 | S | H |
| DEMAND           | ONLINE DEMAND DEPOSIT ACCOUNTING SYSTEM   | 5796-AFN     |     | 5250    |          |          |          | 12 | G320-8119    | OS/VS2,IMS               | 1 | S | H |
| >DEMAND DEPOSIT  | INTEGR CUST ACCT & PROF FOR FIN           | 5798-NEF     |     | 339     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 | I | H |
| >DEMAND DEPOSITS | S/34 NEGOTIABLE ORDER OF WITHDRAW         | 5798-RDE     |     | 65      |          |          |          | 12 | GB30-1583    | SYSTEM/34                | 1 | S | H |
| DEPARTMENTAL     | A DEPARTMENTAL REPORTING SYSTEM II        | 5796-PLN/01  |     | 152     |          |          |          |    | G320-6097    | VSAPL                    | 1 | I | E |
| DEPARTMENTAL     | DPCX ACCOUNTING SYSTEM / DEPARTMENTAL     | 5798-DDL     |     | 110     |          |          |          | 12 | GB21-2688    | DMS/3790,DPCX            | 1 | S | H |
| >DEPOSIT         | COMBINED DEPOSIT SYSTEM                   | 5796-AZY     | P   | 1660    |          |          |          | 24 | G320-6400    | DOS/VSE,DL/I             | 1 | S | H |



| KEYWORD          | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| DEPOSIT          | COMMERCIAL BANK DEMAND DEPOSIT ACCOUNTNG  | 5746-F61     |     | 365     |          |          |          | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| DEPOSIT          | COMMERCIAL BANK TIME DEPOSIT CERTIFICATS  | 5746-F63     |     | 255     |          |          |          | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| >DEPOSIT         | DEMAND DEPOSIT ACCOUNTING BANKING         | 5725-F12     |     | 94      |          |          |          | GH30-0359    | SYSTEM/32                | 1 I C       |
| >DEPOSIT         | DEMAND DEPOSIT ACCOUNTING BANKING         | 5726-F12     |     | 150     |          |          |          | G360-0050    | SYSTEM/34                | 1 I D       |
| DEPOSIT          | DEMAND DEPOSIT / SAVINGS MEMO POST        | 5796-AZF     |     | 822     |          |          | 24       | G320-6350    | CICS/V5 TO DL/I          | 1 S H       |
| DEPOSIT          | ONLINE DEMAND DEPOSIT ACCOUNTING SYSTEM   | 5796-AFN     |     | 5250    |          |          | 12       | G320-8119    | OS/V52,IMS               | 1 S H       |
| DEPOSIT          | PROOF OF DEPOSIT / TRANSIT                | 5796-AGA     |     | 1170    |          |          | 12       | G320-8118    | CICS/DOS/V5              | 1 S H       |
| DEPOSIT          | PROOF OF DEPOSIT & TRANSIT ENHANCEMENTS   | 5796-AKT     |     | 300     |          |          | 12       | G320-5687    | DOS/V5,CICS/V5           | 1 S H       |
| DEPOSIT          | PROOF OF DEPOSIT & TRANSIT 3890 FEATURE   | 5796-AKW     |     | 720     |          |          | 12       | G320-5687    | DOS/V5,CICS/V5           | 1 S H       |
| >DEPOSIT         | PROOF OF DEPOSIT TRANSIT                  | 5798-AFD     |     | 164     |          |          | 12       | GB21-0286    | SYSTEM/3                 | 1 I H       |
| DEPOSIT          | 1419 PROOF OF DEPOSIT MICR CAPTURE        | 5798-DDC     |     | 300     |          |          | 12       | GB21-2668    | DOS/VSE                  | 1 S H       |
| >DEPOSIT TRANSIT | PROOF OF DEPOSIT TRANSIT SYS              | 5798-NKQ     |     | 138     |          |          | 12       | GB30-0986    | SYSTEM/32                | 1 S H       |
| >DEPOSITS        | S/34 APPLIC SUPPORT FOR 3624 CTF          | 5798-RDP     |     | 800     |          |          | 12       | GB30-1626    | SYSTEM/34                | 1 S H       |
| >DEPRECIATION    | FIXED ASSET ACCTG & CTL SYS               | 5798-NLD     |     | 161     |          |          | 12       | GB30-1006    | SYSTEM/32                | 1 S H       |
| >DEPRECIATION    | FIXED ASSET ACCTG & CONTROL SYS           | 5798-NWA     |     | 161     |          |          | 12       | GB30-1241    | 5120 SYSTEM              | 1 S H       |
| >DEPRECIATION    | S/34 FIXED ASSET ACCTG/CTL II             | 5798-RJH     |     | 2100    |          |          | 01       | GB30-1787    | SYSTEM/34                | 1 S H       |
| DES              | DISPLAY EDITING SYSTEM FOR CMS - DES      | 5796-PJP     |     | 60      |          |          |          | G320-5762    | VM/CMS                   | 1 S E       |
| >DES PIN GENERAT | DES PIN GENERATION PROGRAM                | 5798-NNX     |     | 920     |          |          | 01       | GB30-1077    | SYSTEM/3                 | 0 S H       |
| DESIGN           | CIRCUIT BOARD DESIGN SYSTEM - BASE        | 5796-BBL     |     | 2415    |          |          |          | G320-6431    | VM/CMS                   | 1 S E       |
| DESIGN           | CIRCUIT BOARD DESIGN VERIFICATION SYSTEM  | 5796-BBN     |     | 598     |          |          |          | G320-6431    | VM/CMS 5796-BBL          | 1 S E       |
| DESIGN           | CIRCUIT BOARD DESIGN DATA STORAGE SYSTEM  | 5796-BBP     |     | 598     |          |          |          | G320-6431    | VM/CMS 5796-BBL          | 1 S E       |
| DESIGN           | COMMUNICATIONS DESIGN & DEVELOPMENT AID   | 5796-PNL     |     | 150     |          |          | 12       | G320-6349    | DPXX/8100                | 1 S H       |
| >DESIGN          | COMPUTER AIDED ENGINEERING DESIGN SYSTEM  | 5796-BBZ     | T   | 865     |          |          |          | G320-6439    | MVS/TSO,VM/CMS           | 1 S E       |
| DESIGN           | CUSTOMER INFORMATION SYSTEM DESIGN SVC    | 5712-AAA/01  |     | 2055    |          |          | 12       | GE20-0441    |                          | 0 S         |
| DESIGN           | CUSTOMER INFORMATION SYSTEM DESIGN SVC    | 5712-AAA/02  |     | 363     |          |          | 12       | GE20-0441    | 9096                     | 0 S         |
| DESIGN           | DATA BASE DESIGN AID VERSION 2            | 5740-XY8     |     | 392     |          |          |          | GH20-1626    | OS/V5                    | 1 I C       |
| DESIGN           | DATA BASE DESIGN AID VERSION 2            | 5746-XXQ     |     | 302     |          |          |          | GH20-1626    | DOS/V5                   | 1 I C       |
| DESIGN           | INTERACTIVE CIRCUIT DESIGN                | 5796-PLR     |     | 862     |          |          | 24       | G320-6164    | VSAPL, APLSV             | 1 S H       |
| >DESIGN          | RPS SCREEN FORMAT DESIGN AID UTILITY      | 5719-SF1     | R   | 17      |          |          |          | GC34-0326    | SERIES/1                 | 1 S C       |
| DESIGN           | 3800 INTERACTIVE CHARACTER DESIGN: ATMS   | 5798-CRK     |     | 165     |          |          | 12       | GB21-2191    | OS/V5, ATMS-II           | 1 I H       |
| DESIGN           | 3800 INTERACTIVE CHARACTER DESIGN: VM/CM  | 5798-CTH     |     | 165     |          |          | 12       | GB21-2191    |                          | 1 I H       |
| DESIGN           | 3800 INTERACTIVE CHARACTER DESIGN: TSO    | 5798-CTJ     |     | 165     |          |          | 12       | GB21-2191    |                          | 1 I H       |
| DESIGN           | 3800 SYSTEM DESIGN AND DOCUMENT AID       | 5796-ATY     |     | 170     |          |          | 12       | G320-6082    | OS/V5                    | 1 I H       |
| >DESIGN AID      | SCREEN DESIGN AID                         | 5798-NRH     |     | 258     |          |          | 01       | GB30-0699    | 5120 SYSTEM              | 0 S H       |
| >DESIGN AID      | 5280 FORMAT DESIGN AID                    | 5798-RCR     |     | 600     |          |          | 01       | GB30-1548    | 5280 DATA SYSTEM         | 1 S H       |
| >DETERMINATION   | DPX PROBLEM DETERMINATION AID             | 5660-272     |     | 25      | 18       | 8        | 13       | GC27-0400    | DPXX+NPDA-V2             | 1 S K       |
| >DETERMINATION   | NETWORK PROBLEM DETERMINATION APPLICATION | 5668-983/01  |     | 80      | 60       | 21       | 34       | GC34-2061    | VSE,OS/V5,VM,NCCF        | 1 S K       |
| DETERMINATION    | NETWORK PROBLEM DETERMINATION APPLICATION | 5735-XX8/01  |     | 59      | 44       | 19       | 31       | GC34-2010    | DOS/VSE,OS/V5,NCCF       | 2 S K       |
| DETERMINATION    | PROBLEM DETERMINATION FOR MVS OPERATORS   | 5798-DEY     |     | 760     |          |          | 01       | GB21-2760    | IIS,IIPS                 | 1 L H       |
| >DEV             | BUSINESS REPORT APPLICATION DEV SYST      | 5715-RG2     |     | 1145    |          |          | 01       | SB30-2536    | SYS/23 DATAMASTER        | 1 I E       |

| KEYWORD      | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >DEV SUPPORT | PXS S/1 PXS VER 3 DEVELOP SUPP           | 5796-REE     |     | 85      |          |          |          |    | 12 GB30-1600 | SERIES/1                 | 1 S H       |
| DEVELOPMENT  | APPLICATION DEVELOPMENT FACILITY COURSE  | 5798-DDW     |     | 125     |          |          |          |    | 12 GB21-2712 | IIS,IIPS                 | 1 L H       |
| >DEVELOPMENT | CICS/VS APPLICATION DEVELOPMENT STRUCTUR | 5796-BAJ     |     | 725     |          |          |          |    | 12 G320-6409 | CICS/OS/VS               | 1 S H       |
| DEVELOPMENT  | CMS HOST DEVELOPMENT, TESTING 8100 COBOL | 5785-DCG     |     | 3500    |          |          |          |    | 01 GB21-2572 | VM/CMS                   | 1 S H       |
| DEVELOPMENT  | COMMUNICATIONS DESIGN & DEVELOPMENT AID  | 5796-PNL     |     | 150     |          |          |          |    | 12 G320-6349 | DPGX/8100                | 1 S H       |
| DEVELOPMENT  | DEVELOPMENT MANAGEMENT SYSTEM / CICS     | 5740-XC5/01  |     | 269     | 201      | 40       | 64       |    | GH20-2195    | CICS/VS/OS               | 1 S K       |
| DEVELOPMENT  | DEVELOPMENT MANAGEMENT SYSTEM / CICS     | 5746-XC4/01  |     | 139     | 104      | 40       | 64       |    | GH20-2195    | CICS/VS DOS              | 1 S K       |
| DEVELOPMENT  | DEVELOPMENT MANAGEMENT SYSTEM / DPCX     | 5748-XC4     |     | 632     | 474      | 75       | 120      |    | GH20-2423    | T20,C1CS,CMS             | 1 S K       |
| DEVELOPMENT  | DPPX DEVELOPMENT MANAGEMENT SYSTEM       | 5760-XC2     |     | 117     | 87       | 50       | 80       |    | GH20-2154    | DPPX                     | 1 S K       |
| DEVELOPMENT  | IMS APPLICATION DEVELOPMENT FACILITY II  | 5796-PHX     |     | 632     |          |          |          |    | G320-5744    | IMS/VS VIR2              | 1 S E       |
| DEVELOPMENT  | TSO HOST DEVELOPMENT, TESTING 8100 COBOL | 5785-DCF     |     | 4000    |          |          |          |    | 01 GB21-2570 | OS/VS                    | 1 S H       |
| DEVELOPMENT  | TSO PROGRAM DEVELOPMENT                  | 5796-AGH     |     | 205     |          |          |          |    | 24 G320-8114 | OS,OS/VS2 (TSO)          | 1 S H       |
| >DEVELOPMENT | 3650 APPLICATION DEVELOPMENT DEBUG       | 5798-DGY     |     | 70      |          |          |          |    | 12 GB21-2883 | OS/VS,DOS/VSE            | 1 S H       |
| DEVELOPMENT  | 8100 DPPX DEVELOPMENT SYSTEM - DPDS      | 5799-AZL     |     | 632     |          |          |          |    | GC27-0505    | OS/VS                    | 1 S C       |
| DEVICE       | DASD DEVICE INDEPENDENCE ROUTINES        | 5798-ALK     |     | 55      |          |          |          |    | 24 GB21-0686 | DOS                      | 0 I H       |
| DEVICE       | DATA FACILITY / DEVICE SUPPORT           | 5740-AM6     |     | 66      | 49       | 18       | 29       |    | GC26-3954    | OS/VS1,5662-257          | 1 S K       |
| DEVICE       | DATA FACILITY / DEVICE SUPPORT           | 5740-AM7     |     | 70      | 52       | 14       | 22       |    | GC26-3954    | MVS/SP/JES2,-/JES3       | 1 S K       |
| DEVICE       | DIRECT ACCESS STORAGE DEVICE MIGRATION   | 5668-002     |     | 1150    |          |          |          |    | 01 GC26-3972 | OS/VS,5740-SM1           | 0 I C       |
| DEVICE       | DOS/VSE DEVICE SUPPORT FACILITIES        | 5747-DS2     |     |         |          |          |          |    | GC26-3946    | DIRECT ACCESS DEVICE     | 0 S S       |
| DEVICE       | DOS/VS DASD DEVICE INDEPENDENCE OPEN     | 5798-AWH/01  |     | 43      |          |          |          |    | 24 GB21-1002 | DOS/VS                   | 0 I H       |
| DEVICE       | STANDALONE DEVICE SUPPORT FACILITIES     | 5747-DS1     |     |         |          |          |          |    | GC26-3946    | DIRECT ACCESS DEVICE     | 0 S S       |
| DEVICE       | STORAGE DEVICE MIGRATION AID             | 5796-PHP     |     | 197     |          |          |          |    | G320-5714    | OS, OS/VS                | 1 I E       |
| >DEVICE      | 3270 DEVICE EMULATION                    | 5726-EM1     |     | 182     | 136      |          |          |    | GC21-7749    | SYSTEM/34                | 1 S A       |
| DEVICE       | 3330-11 DEVICE SUPPORT: OS/MFT/MVT (R21) | 5798-BCE     |     | 56      |          |          |          |    | 12 GB21-1291 | OS/MFT/MVT               | 1 S H       |
| DEVICES      | 231X EMULATOR ON FBA DEVICES             | 5747-SA1     |     |         |          |          |          |    |              | DOS/VSE                  | 0 S N       |
| >DFAS        | ACCOUNTS PAYABLE DISTRIBUTORS            | 5725-D62     |     | 49      |          |          |          |    | GH30-0315    | SYSTEM/32                | 1 I C       |
| >DFAS        | ACCOUNTS PAYABLE DISTRIBUTORS            | 5726-D6B     |     | 49      |          |          |          |    | GH30-0219    | SYSTEM/34                | 1 I C       |
| >DFAS        | GENERAL LEDGER DISTRIBUTORS              | 5725-D61     |     | 49      |          |          |          |    | GH30-0314    | SYSTEM/32                | 1 I C       |
| >DFAS        | GENERAL LEDGER DISTRIBUTORS              | 5726-D6A     |     | 49      |          |          |          |    | GH30-0219    | SYSTEM/34                | 1 I C       |
| >DFAS        | PAYROLL DISTRIBUTORS                     | 5725-D63     |     | 63      |          |          |          |    | GH30-0302    | SYSTEM/32                | 1 I C       |
| >DFAS        | PAYROLL DISTRIBUTORS                     | 5726-D6C     |     | 63      |          |          |          |    | GH30-0219    | SYSTEM/34                | 1 I C       |
| >DFAS II     | ACCOUNTS PAYABLE DISTR MFG MAPICS        | 5726-M43     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| >DFAS II     | GENERAL LEDGER DISTR MFG MAPICS          | 5726-M47     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| >DFAS II     | PAYROLL DISTRIBUTORS MFG MAPICS          | 5726-M42     |     | 95      | 71       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| DFDS         | DATA FACILITY / DEVICE SUPPORT           | 5740-AM6     |     | 66      | 49       | 18       | 29       |    | GC26-3954    | OS/VS1,5662-257          | 1 S K       |
| DFDS         | DATA FACILITY / DEVICE SUPPORT           | 5740-AM7     |     | 70      | 52       | 14       | 22       |    | GC26-3954    | MVS/SP/JES2,-/JES3       | 1 S K       |
| DFDSS        | DATA FACILITY DATA SET SERVICES          | 5740-UT3     |     | 67      | 50       | 17       | 27       |    | GC26-3947    | OS/VS1,MVS               | 1 S K       |
| DFEF         | DATA FACILITY / EXTENDED FUNCTION        | 5740-XYQ     |     | 103     | 77       | 50       | 80       |    | GC26-3960    | MVS/SP,5740-AM7          | 1 S K       |
| >DFP         | DATA FACILITY PRODUCT                    | 5665-284     | P   | 450     | 337      | 60       | 96       |    | GC26-4007    | MVS/XA                   | 2 S K       |
| >DFU         | SYSTEM/32 UTILITIES                      | 5725-UT1     |     | 23      |          |          |          |    | GC21-7599    | SYSTEM/32                | 1 S A       |

| KEYWORD          | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO                           | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|--------------------------------------|--------------------------|-------------|
| >DFU             | UTILITIES SEU SORT WSU SDA                | 5726-UT1     |     | 53      | 40       |          |          |                                      | GC21-7659 SYSTEM/34      | 1 S A       |
| >DFU             | UTILITIES SUBSET WSU EXEC SORT DFU        | 5726-UT2     |     | 660     |          |          |          | 01 GC21-9033 SYSTEM/34               | 1 S A                    |             |
| DI-OPEN          | DOS/VS DASD DEVICE INDEPENDENCE OPEN      | 5798-AWH/01  |     | 43      |          |          |          | 24 GB21-1002 DOS/VS                  | 0 I H                    |             |
| DI-OPEN          | DOS/VS DASD DI-OPEN ENHANCEMENT           | 5798-AWH/02  |     | 150     |          |          |          | 01 GB21-1002 9015                    | 0 I H                    |             |
| >DIAGNOSTICS     | ADVANCED DIAGNOSTICS PACKAGE              | 6025-077     |     | 155     |          |          |          | 01 GX20-2397 IBM PERSONAL COMPUTR    | 0 S H                    |             |
| DIAGRAM          | GRAPHIC ONLINE DIAGRAM DISPLAY            | 5798-CWX     |     | 900     |          |          |          | 24 G320-6059 MVS/TSO VM/CMS          | 1 S H                    |             |
| DICTIONARY       | DATA DICTIONARY LANGUAGE PREPROCESSOR     | 5798-DEQ     |     | 55      |          |          |          | 12 GB21-2758 OS/VS, COBOL, PL/I, ASM | 1 S H                    |             |
| DICTIONARY       | DATA DICTIONARY UTILITIES                 | 5798-DEF     |     | 60      |          |          |          | 12 GB21-2746 OS/VS                   | 1 S H                    |             |
| >DICTIONARY      | DATA DICTIONARY LANGUAGE PREPROCESSOR     | 5798-DHG     |     | 735     |          |          |          | 01 GB21-2902 DOS/VSE, DL/I           | 1 S H                    |             |
| >DICTIONARY      | DATA DICTIONARY UTILITIES                 | 5798-DHQ     |     | 650     |          |          |          | 01 GB21-2920 DOS/VSE, DL/I           | 1 S H                    |             |
| DICTIONARY       | DB/DC DATA DICTIONARY                     | 5740-XXF     |     | 805     | 603      | 84       | 134      | GH20-9104 IMS/VS DL/1 OS/VS          | 2 S K                    |             |
| DICTIONARY       | DB/DC DATA DICTIONARY                     | 5746-XXC     |     | 366     | 274      | 66       | 105      | GH20-9193 DOS/VS, DL/1, CICS/VS      | 2 S K                    |             |
| >DIF             | DISPLAY INFORMATION FACILITY ALPHA SEARCH | 5714-XXR1    |     | 77      | 58       |          |          | GH30-0145 SYSTEM/38                  | 1 I D                    |             |
| DIF              | DOCUMENT INTERCHANGE FACILITY - CENTRAL   | 5668-003     |     | 373     |          |          |          | GH20-2440 OS/VS, DOS/VSE, DLF        | 1 S B                    |             |
| DIF              | DOCUMENT INTERCHANGE - DISTRIBUTED        | 5668-004     |     | 40      |          |          |          | GC27-0546 DDFE/8100, 3730            | 1 S B                    |             |
| >DIFFRACTION     | X-RAY POLYCRYSTALLINE DIFFRACT            | 5798-NYL     |     | 120     |          |          |          | 12 GB30-1381 SERIES/1                | 1 S H                    |             |
| DIGIT            | ROUTING - TRANSIT CHECK DIGIT             | 5798-CXD     |     | 300     |          |          |          | 01 GB21-2317 DOS/VS OS/VS            | 0 S H                    |             |
| >DIGITAL         | DIGITAL INTERACTIVE GRAPHICS / MAPPING    | 5668-959     |     | 600     |          |          |          | GH20-5508 5799-AYB                   | 1 S B                    |             |
| >DIMENSIONAL     | THREE DIMENSIONAL PRESENTATION GRAPHICS   | 5798-DGP     |     | 145     |          |          |          | 12 GB21-2867 VM/CMS, MVS, GDDM       | 1 S H                    |             |
| >DIRECT JOB ENTR | WATERLOO INTERACTIVE DIR J/E              | 5796-NQE     | P   | 166     |          |          |          | 12 GB30-1138 SERIES/1                | 1 S H                    |             |
| >DIRECTORY       | S/1 TELEPHONE LISTING MGMT SYS            | 5798-NZZ     | P   | 180     |          |          |          | 12 GB30-1452 SERIES/1                | 1 S H                    |             |
| DIRECTORY        | VIRTUAL MACHINE DIRECTORY MAINTENANCE     | 5748-XE4     |     | 98      | 73       | 23       | 37       | GC20-1836 VM/SP/CMS                  | 1 S K                    |             |
| DIRMAINT         | VIRTUAL MACHINE DIRECTORY MAINTENANCE     | 5748-XE4     |     | 98      | 73       | 23       | 37       | GC20-1836 VM/SP/CMS                  | 1 S K                    |             |
| >DISBURSEMENTS   | S/23 JOB SHOP CONTROL - A/P               | 5796-ZAJ     |     | 1200    |          |          |          | 01 GB30-1714 SYS/23 DATAMASTER       | 1 I H                    |             |
| >DISBURSEMENTS   | 5120 CONSTRUCT INFO SYS - A/P             | 5796-ZAD     |     | 2365    |          |          |          | 01 GB30-1534 5120 SYSTEM             | 1 S H                    |             |
| >DISBURSEMENTS   | 5120 JOB SHOP SYS - A/P                   | 5796-RCC     |     | 126     |          |          |          | 12 GB30-1523 5120 SYSTEM             | 1 S H                    |             |
| >DISCOUNTS       | S/23 JOB SHOP CONTROL - A/P               | 5796-ZAJ     |     | 1200    |          |          |          | 01 GB30-1714 SYS/23 DATAMASTER       | 1 I H                    |             |
| DISCOVER         | CAREER GUIDANCE SYSTEM: SECONDARY SCHOOL  | 5796-AYB     |     | 250     |          |          |          | 24 G320-6176 5796-AYA                | 1 S H                    |             |
| DISCOVER         | CAREER GUIDANCE SYSTEM: ADULTS / COLLEGE  | 5796-AYC     |     | 250     |          |          |          | 24 G320-6176 5796-AYA                | 1 S H                    |             |
| DISCOVER         | DISCOVER: CAREER GUIDANCE SYSTEM - BASE   | 5796-AYA     |     | 750     |          |          |          | 24 G320-6176 DOS/VSE VS1             | 1 S H                    |             |
| >DISK            | BASIC ASSEMBLER MOD 8/10 DISK             | 5702-AS1     |     | 104     |          |          |          | SC21-7509 SYSTEM/3                   | 1 S C                    |             |
| >DISK            | BSCA SUPPORT FEATURE MOD 8/10 DISK        | 5702-RG1/02  |     | 53      |          |          |          | SC21-7507 6000/2                     | 1 S C                    |             |
| >DISK            | CCP DISK SORT MODEL 12                    | 5799-ATG     |     | 43      |          |          |          | SC21-7522 SYSTEM/3                   | 1 S C                    |             |
| >DISK            | CCP DISK SORT MODEL 15ABC                 | 5799-ATH     |     | 43      |          |          |          | SC21-7522 SYSTEM/3                   | 1 S C                    |             |
| >DISK            | CPS DISK TABLE OF CONTENTS                | 5799-TAM     | R   | 1       |          |          |          | 24 SC34-1561 SERIES/1                | 1 S C                    |             |
| >DISK            | CPS DISK SPOOLING                         | 5799-TAY     | R   | 3       |          |          |          | 24 SC34-1563 SERIES/1                | 1 S C                    |             |
| >DISK            | DISK FORTRAN IV MOD 8/10 DISK             | 5702-F01     |     | 126     |          |          |          | SC28-6974 SYSTEM/3                   | 1 S C                    |             |
| >DISK            | DISK FORTRAN IV MOD 8/10 DISK             | 5702-F01     |     | 126     |          |          |          | SC28-6974 SYSTEM/3                   | 1 S C                    |             |
| >DISK            | DISK FORTRAN IV MOD 6                     | 5703-F01     |     | 138     |          |          |          | SC28-6874 SYSTEM/3                   | 1 S C                    |             |
| >DISK            | DISK FORTRAN IV MOD 12                    | 5705-F01     |     | 135     |          |          |          | GC28-6880 SYSTEM/3                   | 1 S C                    |             |

KEYWORDS - ALPHABETIC SEQUENCE

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CODES EXPLAINED ON PAGE XI

| KEYWORD   | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P I V |
|-----------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >DISK     | DISK RPG II MOD 8/10 DISK                | 5702-RG1/01  |     | 62      |          |          |          |    | GC21-7514    | SYSTEM/3                 | 1 S C       |
| >DISK     | DISK RPG II MOD 8/10 DISK                | 5702-RG1/01  |     | 62      |          |          |          |    | GC21-7514    | SYSTEM/3                 | 1 S C       |
| >DISK     | DISK RESIDENT CARD UTILITIES MOD 8/10 D  | 5702-UTI     |     | 12      |          |          |          |    | SC21-7529    | SYSTEM/3                 | 1 S C       |
| >DISK     | DISK RESIDENT CARD UTILITIES MOD 12      | 5705-UTI     |     | 18      |          |          |          |    | GC21-7535    | SYSTEM/3                 | 1 S C       |
| >DISK     | DISK SORT MOD 8/10 DISK                  | 5702-SM1/01  |     | 12      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S C       |
| >DISK     | DISK SORT MOD 8/10 DISK                  | 5702-SM1/01  |     | 12      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S C       |
| >DISK     | DISK SORT MOD 6                          | 5703-SM1     |     | 12      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S C       |
| >DISK     | DISK SORT - 15ABC                        | 5704-SM1     |     | 64      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S C       |
| >DISK     | DISK SORT - 15D                          | 5704-SM9     |     | 102     |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S A       |
| >DISK     | DISK SORT MOD 12                         | 5705-SM1     |     | 54      |          |          |          |    | GC21-5083    | SYSTEM/3                 | 1 S C       |
| DISK      | DISK VOLUME MAP                          | 5796-PFL     |     | 70      |          |          |          | 12 | G320-5550    | OS/MVT/MFT, OS/VS        | 1 I H       |
| DISK      | DISK WORK FILE MANAGER FOR DOS/VS        | 5796-ANK     |     | 100     |          |          |          | 12 | G320-5741    | DOS/VS                   | 1 S H       |
| >DISK     | DISTRIBUTED DISK FILE FACILITY DDFE      | 5799-BCP     |     | 93      | 61       |          |          |    | GC21-7872    | SYSTEM/34                | 1 S A       |
| DISK      | EXTENDING SEQUENTIAL DISK FILES          | 5798-CBN     |     | 64      |          |          |          | 12 | GB21-1456    | DOS/VS                   | 1 I H       |
| DISK      | GENERAL PURPOSE TAPE AND DISK SCANS      | 5796-AGY     |     | 300     |          |          |          | 01 | G320-8166    | DOS/VS                   | 1 S H       |
| >DISK     | RPS DISK SPOOLING VERSION 3              | 5799-TCH     | R   | 3       |          |          |          |    | SC34-1594    | SERIES/1                 | 1 S C       |
| >DISK     | STAND-ALONE DISK UTILITIES               | 5719-SC2     |     |         |          |          |          |    | GC34-0070    | SERIES/1                 | 0 S C       |
| >DISK     | SUBSET ANS COBOL MOD 8/10 DISK           | 5702-CBI     |     | 108     |          |          |          |    | GC28-6452    | SYSTEM/3                 | 1 S C       |
| >DISK     | SYSTEM CONTROL PROGRAM MOD 8/10 DISK     | 5702-SC1     |     |         |          |          |          |    | GC21-7578    | SYSTEM/3                 | 0 S C       |
| >DISK     | TAPE SUPPORT FEATURE MOD 8/10 DISK       | 5702-RG1/04  |     | 45      |          |          |          |    | GC21-5040    | 6016/18                  | 1 S C       |
| >DISK     | TAPE SORT PROGRAM MOD 8/10 DISK          | 5702-SM2     |     | 87      |          |          |          |    | SC21-7572    | SYSTEM/3                 | 1 S C       |
| >DISK     | 1255 UTILITY MOD 8/10 DISK               | 5702-UT2     |     | 86      |          |          |          |    | SC21-7521    | SYSTEM/3                 | 1 S C       |
| >DISK     | 3270 DCF FEATURE MOD 10 DISK             | 5702-RG1/06  |     | 29      |          |          |          |    | SC21-5161    | 6070                     | 1 S C       |
| DISK      | 3790 BASIC KEY TO DISK SYS               | 5796-ANF     |     | 45      |          |          |          | 24 | G320-6090    | DOS/VS, OS/VS1           | 1 S H       |
| DISK      | 3790 DISK UTILITY                        | 5798-CPA     |     | 64      |          |          |          | 12 | GB21-2053    | 3790 MACROS              | 1 S H       |
| >DISK     | 5445 SUPPORT FEATURE MOD 10 DISK         | 5702-RG1/03  |     | 45      |          |          |          |    | GC21-5081    | 6012/14                  | 1 S C       |
| >DISK     | 5445 SUPPORT FEATURE MOD 10 DISK         | 5702-SM1/02  |     | 72      |          |          |          |    | GC21-5194    | 6008/10                  | 1 S C       |
| DISKETTE  | DISKETTE COPY PROGRAM                    | 5744-BJ1     |     |         |          |          |          |    | GC24-5109    | OS/VS1                   | 0 S C       |
| DISKETTE  | DISKETTE COPY PROGRAM                    | 5744-BL1     |     |         |          |          |          |    | GC24-5109    | OS/VS2                   | 0 S C       |
| >DISKETTE | DISKETTE SOFTWARE                        | 6024-001     |     | 40      |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0 S H       |
| DISKETTE  | DOS/VS 3540 DISKETTE UTILITY             | 5798-CNZ     |     | 110     |          |          |          | 12 | GB21-2056    | DOS/VS                   | 1 S H       |
| >DISKETTE | TYPING TUTOR (DISKETTE VER)              | 6024-013     |     | 25      |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0 S H       |
| DISKETTE  | VM DISKETTE COPY                         | 5796-PNT     |     | 65      |          |          |          | 12 | G320-6406    | VM/CMS, DISKETTE RDR     | 1 S H       |
| DISKETTE  | 3790 DISKETTE UTILITY                    | 5798-CRF     |     | 40      |          |          |          | 12 | GB21-2182    |                          | 1 S H       |
| DISOSS    | DIRECT DOCUMENT VIEWING FACILITY         | 5740-XYK/02  |     | 35      |          |          |          |    | GH12-5124    | 6119-6121                | 2 S B       |
| DISOSS    | DIRECT DOCUMENT VIEWING FACILITY         | 5740-XY9/02  |     | 278     |          |          |          |    | GH12-5124    | 6107-6108                | 2 S B       |
| DISOSS    | DISTRIBUTED OFFICE SUPPORT / 8100 / DOSF | 5661-172     |     | 164     | 123      | 32       | 51       |    | GH12-5139    | DPCX AND DOSF            | 2 S K       |
| DISOSS    | DISTRIBUTED OFFICE SUPPORT - REMOTE      | 5740-XYK/01  |     | 103     |          |          |          |    | GH12-5124    | 3730, 8100/DOSF          | 2 S B       |
| DISOSS    | DISTRIBUTED OFFICE SYSTEM - HOST         | 5740-XY9/01  |     | 1145    |          |          |          |    | GH12-5124    | OS/VS                    | 2 S B       |
| DISOSS    | HOST PRINT FACILITY                      | 5740-XY9/04  |     | 139     |          |          |          |    | GH12-5124    | 6113-6114                | 2 S B       |

| KEYWORD          | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| DISOSS           | STAIRS INPUT FORMATTER                    | 5740-XY9/03  |     | 208     |          |          |          |    | GH12-5124    | 6109-6110                | 2 S B       |
| DISOSS/VSE       | DISTRIBUTED OFFICE SUPPORT / 370 REL 1    | 5666-264     |     | 906     | 679      | 160      | 256      |    | GH12-5137    | DOS/VSE                  | 2 S K       |
| DISOSS/370       | DISTRIBUTED OFFICE SUPPORT / 370 VER 2    | 5668-982     |     | 975     | 731      | 185      | 296      |    | GH12-5139    | OS/VSE                   | 2 S K       |
| >DISPLAY         | CPS 4978/4979 DISPLAY MAP                 | 5799-TBE     | R   | 5       |          |          |          |    | 24 GC34-1585 | SERIES/1                 | 1 S C       |
| >DISPLAY         | DISPLAY INFORMATION FACILITY ALPHA SEARCH | 5714-XR1     |     | 77      | 58       |          |          |    | GH30-0145    | SYSTEM/38                | 1 I D       |
| DISPLAY          | DISPLAY MANAGEMENT SYSTEM / 3790          | 5748-XC2/01  |     | 363     |          |          |          |    | GH20-2002    | DOS/VSE, OS/VSE          | 1 S C       |
| DISPLAY          | DISPLAY MANAGEMENT SYSTEM / 3770          | 5748-XC3     |     | 275     |          |          |          |    | GH20-2020    | DOS/VSE, OS/VSE, CMS     | 1 S C       |
| DISPLAY          | DISPLAY MANAGEMENT SYSTEM / CMS           | 5748-XXB     |     | 30      | 22       | 7        | 1        |    | GC24-5197    | VM/BSE/SE/SP             | 1 S K       |
| DISPLAY          | DISPLAY MONITOR FOR TPNS                  | 5796-AXN     |     | 110     |          |          |          | 12 | G320-6167    | OS/VSE, 5740-XT4         | 1 I H       |
| DISPLAY          | DISPLAY EDITING SYSTEM FOR CMS - DES      | 5796-PJP     |     | 60      |          |          |          |    | G320-5762    | VM/CMS                   | 1 S E       |
| DISPLAY          | DISPLAY MANAGEMENT SYSTEMS                | 5799-AFD     |     | 4125    |          |          |          | 12 | SH20-1745    | 5799-AHE                 | 2 I B       |
| DISPLAY          | GRAPHIC DATA DISPLAY MANAGER              | 5748-XXH/01  |     | 105     | 78       | 30       | 48       |    | GC33-0100    | TSD VM CICS IMS VSPC     | 1 S K       |
| DISPLAY          | GRAPHIC ONLINE DIAGRAM DISPLAY            | 5798-CWX     |     | 900     |          |          |          | 24 | G320-6059    | MVS/TSD VM/CMS           | 1 S H       |
| >DISPLAY         | INTERACTIVE DISPLAY TEXT FACILITY         | 5668-956     |     | 80      | 60       |          |          |    | GC33-0137    | DOSF, DPCX               | 1 S E       |
| >DISPLAY         | RPS 4978 DISPLAY SUPPORT VER 3            | 5799-TCE     | R   | 3       |          |          |          |    | SC34-1592    | SERIES/1                 | 1 S C       |
| >DISPLAY         | S/34 GRAPHING SYSTEM                      | 5798-NWQ     |     | 69      |          |          |          | 06 | GB30-1315    | SYSTEM/34                | 1 S H       |
| >DISPLAY         | SPOOL DISPLAY AND SEARCH FACILITY         | 5798-DGN     | P   | 100     |          |          |          | 12 | GB21-2865    | MVS/JES2                 | 1 S H       |
| DISPLAY          | SYSTEM LOG DISPLAY AND SEARCH FACILITY    | 5798-DAL     |     | 116     |          |          |          | 12 | GB21-2511    | MVS                      | 1 S H       |
| DISPLAY          | TSD / JES2 BATCH DISPLAY FACILITY         | 5798-CYE     |     | 60      |          |          |          | 12 | GB21-2373    | TSD JES2                 | 1 S H       |
| DISPLAY          | TSD EXTENDED DISPLAY SESSION MANAGER      | 5740-XE2     |     | 278     |          |          |          |    | GC28-0911    | MVS/TSD                  | 1 S B       |
| DISPLAY          | TSD 3270 DISPLAY COPY SUPPORT             | 5798-CHL     |     | 245     |          |          |          | 12 | GB21-1795    | OS/VSE2, TSD             | 1 S H       |
| DISPLAY          | VIDEO/370 ONLINE STATUS DISPLAY           | 5798-CJA     |     | 104     |          |          |          | 12 | GB21-1840    | DOS/VSE, OS/VSE          | 1 S H       |
| >DISPLAY         | 3270 DISPLAY CONTROL MOD 6                | 5703-RG1/04  |     | 29      |          |          |          |    | SC21-5161    | 60303                    | 1 S C       |
| >DISPLAY         | 4978/4979 DISPLAY STATION CPS             | 5799-TAK     | R   | 7       |          |          |          | 24 | GC34-1575    | SERIES/1                 | 1 S C       |
| >DISPLAY         | 4979 DISPLAY STATION CPS                  | 5799-TAE     | R   | 2       |          |          |          | 24 | SC34-1554    | SERIES/1                 | 1 S C       |
| >DISPLAY         | 5250 INFO DISPLAY SYSTEM ATTACH SUPPORT   | 5719-TA1     | R   | 26      |          |          |          |    | GC34-0245    | SERIES/1                 | 1 S C       |
| >DISPLAY AID     | S/34 RPG 11 COMPIL & SPOOL FILE           | 5796-RFP     |     | 375     |          |          |          | 01 | GB30-1647    | SYSTEM/34                | 1 S H       |
| >DISPLAY MANAGER | S/1 3101/3275 DISP MGR SUBSYS             | 5798-ZZD     |     | 5750    |          |          |          | 01 |              | SERIES/1                 | 1 S H       |
| >DISPLAY STATION | S/1 3101 FULL SCREEN CPS                  | 5798-RFF     | P   | 282     |          |          |          | 01 | GB30-1639    | SERIES/1                 | 1 S H       |
| DISPLAY/CMS      | VIRTUAL SPOOLED READER DISPLAY/CMS        | 5796-AYK     |     | 80      |          |          |          | 12 | G320-6338    | VM/CMS                   | 1 S H       |
| DISPLAYS         | GRAPHICAL DISPLAYS - CICS/VSE             | 5798-CPJ     |     | 115     |          |          |          | 12 | GB21-2076    | DOS/VSE OS/VSE           | 1 S H       |
| DIST             | MVS INFORMATION DIST WORKSTATION SUPPORT  | 5740-AMA     |     | 354     | 265      | 22       | 35       |    | GC23-0031    | OS/VSE2 (MVS)            | 1 S K       |
| >DISTR           | ACCOUNTS PAYABLE DISTR MFG MAPICS         | 5726-M43     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| >DISTR           | GENERAL LEDGER DISTR MFG MAPICS           | 5726-M47     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| DISTRIBUTED      | DISTRIBUTED OFFICE SUPPORT / 8100 / DOSF  | 5661-172     |     | 164     | 123      | 32       | 51       |    | GH12-5139    | DPCX AND DOSF            | 2 S K       |
| DISTRIBUTED      | DISTRIBUTED OFFICE SUPPORT / 370 REL 1    | 5666-264     |     | 906     | 679      | 160      | 256      |    | GH12-5137    | DOS/VSE                  | 2 S K       |
| DISTRIBUTED      | DISTRIBUTED OFFICE SUPPORT / 370 VER 2    | 5668-982     |     | 975     | 731      | 185      | 296      |    | GH12-5139    | OS/VSE                   | 2 S K       |
| >DISTRIBUTED     | DISTRIBUTED SYSTEMS EXECUTIVE VER 2       | 5668-986     | P   | 380     | 285      | 41       | 65       |    | GH19-6229    | OS/VSE, DOS/VSE          | 1 S K       |
| DISTRIBUTED      | DISTRIBUTED OFFICE SUPPORT - REMOTE       | 5740-XYK/01  |     | 103     |          |          |          |    | GH12-5124    | 3730, 8100/DOSF          | 2 S B       |
| DISTRIBUTED      | DISTRIBUTED OFFICE SYSTEM - HOST          | 5740-XY9/01  |     | 1145    |          |          |          |    | GH12-5124    | OS/VSE                   | 2 S B       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #     | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|------------------------------|-------------|
| DISTRIBUTED      | DISTRIBUTED INTELLIGENCE SYSTEM/7 - 370  | 5744-BK1     |     |         |          |          |          |            | GC34-0057 OS/V5              | 0 S C       |
| DISTRIBUTED      | DISTRIBUTED SYSTEMS EXECUTIVE VER 1      | 5748-XXG     |     | 220     | 165      | 41       | 65       |            | GH20-2149 OS/V5,D05/V5E      | 1 S K       |
| DISTRIBUTED      | DISTRIBUTED PROCESSING PROGRAM EXECUTIVE | 5760-010/01  |     | 239     | 179      | 124      | 198      |            | GC27-0400 8100               | 1 S K       |
| DISTRIBUTED      | DISTRIBUTED PROCESSING CONTROL EXECUTIVE | 5761-DS1/01  |     | 269     | 201      | 74       | 118      |            | GC22-9075 8100,5735-XR3      | 1 S K       |
| DISTRIBUTED      | DISTRIBUTED OFFICE SUPPORT FACILITY      | 5761-XR1     |     | 570     | 427      | 84       | 134      |            | GC27-0546 DPCX               | 1 S K       |
| >DISTRIBUTED     | DISTRIBUTED PLANT MAINTENANCE            | 5787-GAA     | P   | 455     |          |          |          |            | GB21-2895 DPPX               | 1 S E       |
| DISTRIBUTED      | DISTRIBUTED DATA TRANSFER - HOST         | 5798-DCA     |     | 100     |          |          |          | 12         | GB21-2594 OS/V5,D05,5798-DCF | 1 S H       |
| DISTRIBUTED      | DISTRIBUTED DATA TRANSFER - CONTROLLER   | 5798-DCF     |     | 20      |          |          |          | 12         | GB21-2594 DPCX,3790,5798-DCA | 1 S H       |
| >DISTRIBUTED     | DISTRIBUTED DISK FILE FACILITY DDFE      | 5799-BCP     |     | 93      | 61       |          |          |            | GC21-7872 SYSTEM/34          | 1 S A       |
| DISTRIBUTED      | DOCUMENT INTERCHANGE - DISTRIBUTED       | 5668-004     |     | 40      |          |          |          |            | GC27-0546 D05F/8100,3730     | 1 S B       |
| DISTRIBUTED      | DPPX DISTRIBUTED PRESENTATION SERVICES   | 5660-264/01  |     | 53      | 39       | 14       | 22       |            | GC33-0122 DPPX               | 1 S K       |
| DISTRIBUTED      | DPPX DISTRIBUTED PRESENTATION SERVICES   | 5760-XR1/01  |     | 40      | 30       | 9        | 15       |            | GC33-0090 DPPX               | 1 S K       |
| DISTRIBUTED      | OS/VS1 DISTRIBUTED WORKSTATION SUPPORT   | 5740-XYE     |     | 131     | 98       | 27       | 43       |            | GC24-5193 OS/VS1             | 1 S K       |
| DISTRIBUTED      | 3730 DISTRIBUTED OFFICE SUPPORT FOR 6670 | 5798-DCW     |     | 125     |          |          |          | 12         | GB21-2631 CICS/OS/V5         | 1 S H       |
| DISTRIBUTED      | 8100/DPCX 3790 DISTRIBUTED ENTRY QUERY   | 5798-CZE/01  |     | 190     |          |          |          | 12         | GB21-2431 D05/V5E OS/V5 D05F | 1 S H       |
| >DISTRIBUTED DAT | S/1 DATA COLLEC EDIT & TRANSMIT          | 5798-RCX     | P   | 138     |          |          |          |            | 12 GB30-1552 SERIES/1        | 1 S H       |
| >DISTRIBUTED DP  | S/1 EDX CF II                            | 5798-RDT     | P   | 55      |          |          |          | 36         | GB30-1593 SERIES/1           | 1 S H       |
| >DISTRIBUTED PRO | CHAMPION DISTRIBUTED PROC SYSTEM         | 5798-NRD     | P   | 195     |          |          |          | 12         | GB30-1207 SERIES/1           | 1 S H       |
| >DISTRIBUTION    | ACCOUNTS RECEIVABLE DISTRIBUTION         | 5714-D42     |     | 99      | 74       |          |          |            | GH30-0130 SYSTEM/38          | 1 I D       |
| >DISTRIBUTION    | ACCOUNTS PAYABLE DISTRIBUTION            | 5714-D48     |     | 61      | 46       |          |          |            | GH30-0710 SYSTEM/38          | 1 I D       |
| >DISTRIBUTION    | CUSTOMER SERVICE BILLING DISTRIBUTION    | 5714-D41     |     | 113     | 85       |          |          |            | GH30-0130 SYSTEM/38          | 1 I D       |
| >DISTRIBUTION    | DEALER ACCT SYS - WESTLAND AUTO          | 5796-ABV     |     | 527     |          |          |          | 12         | G320-1423 SYSTEM/3           | 1 I H       |
| >DISTRIBUTION    | DISTRIBUTION CONSTRUCTION INFORMATION    | 5712-AAB     |     | 5000    |          |          |          | 12         | GE20-0613 D05/OS/IMS/CICS/VS | 0 S         |
| >DISTRIBUTION    | IBM AUDIO DISTRIBUTION SYSTEM            | 5719-U20     | R   | 350     |          |          |          |            | GC34-0401 SERIES/1           | 1 S E       |
| >DISTRIBUTION    | INVENTORY CONTROL DISTRIBUTION           | 5714-D43     |     | 106     | 80       |          |          |            | GH30-0130 SYSTEM/38          | 1 I D       |
| >DISTRIBUTION    | INVENTORY FOR DIRECT ATT 3741            | 5798-NDP     |     | 75      |          |          |          | 12         | GB30-0791 SYSTEM/3           | 1 S H       |
| >DISTRIBUTION    | OPEN ITEM A/R FOR DIR ATT 3741           | 5798-NDL     |     | 120     |          |          |          | 12         | GB30-0791 SYSTEM/3           | 1 S H       |
| >DISTRIBUTION    | PAYROLL DISTRIBUTION                     | 5714-D49     |     | 77      | 58       |          |          |            | GH30-0710 SYSTEM/38          | 1 I D       |
| >DISTRIBUTION    | POSTBILLING FOR DIR ATTACH 3741          | 5798-NDK     |     | 120     |          |          |          | 12         | GB30-0791 SYSTEM/3           | 1 S H       |
| >DISTRIBUTION    | PURCHASING DISTRIBUTION                  | 5714-D45     |     | 218     | 164      |          |          |            | GH30-0648 SYSTEM/38          | 1 I D       |
| >DISTRIBUTION    | S/A FOR DIRECTLY ATTACHED 3741           | 5798-NDN     |     | 69      |          |          |          | 12         | GB30-0791 SYSTEM/3           | 1 S H       |
| >DISTRIBUTION    | SALES ANALYSIS DISTRIBUTION              | 5714-D44     |     | 91      | 68       |          |          |            | GH30-0130 SYSTEM/38          | 1 I D       |
| DISTRIBUTION     | 3800 REPORT DISTRIBUTION                 | 5798-DDK     |     | 180     |          |          |          | 12         | GB21-2676 OS/V5              | 1 S H       |
| >DISTRIBUTION    | 5280 DISTRIBUTION ORDER ENTRY            | 5798-RDF     |     | 35      |          |          |          | 06         | GB30-1576 5280 DATA SYSTEM   | 1 S H       |
| >DISTRIBUTION/ME | GENERAL LEDGER DISTRIBUTION/MEDIA        | 5714-D47     |     | 61      | 46       |          |          |            | GH30-0710 SYSTEM/38          | 1 I D       |
| >DISTRIBUTORS    | ACCOUNTS PAYABLE DISTRIBUTORS            | 5725-D62     |     | 49      |          |          |          |            | GH30-0315 SYSTEM/32          | 1 I C       |
| >DISTRIBUTORS    | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | 5725-D66     |     | 68      |          |          |          |            | GH30-0156 SYSTEM/32          | 1 I D       |
| >DISTRIBUTORS    | ACCOUNTS RECEIVABLE DISTRIBUTORS         | 5726-D4B     |     | 68      |          |          |          |            | GH30-0093 SYSTEM/34          | 1 I D       |
| >DISTRIBUTORS    | ACCOUNTS RECEIVABLE DISTRIBUTORS         | 5726-D42     |     | 70      | 53       |          |          |            | GH30-0185 SYSTEM/34          | 1 I D       |
| >DISTRIBUTORS    | ACCOUNTS PAYABLE DISTRIBUTORS            | 5726-D6B     |     | 49      |          |          |          |            | GH30-0219 SYSTEM/34          | 1 I C       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I L | S V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| >DISTRIBUTORS    | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | 5726-D66     |     | 69      |          |          |          |    | GH30-0156    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | BILLING FOOD DISTRIBUTORS                | 5725-D6A     |     | 98      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1   | I   | D   |
| >DISTRIBUTORS    | BILLING DISTRIBUTORS                     | 5726-D4A     |     | 98      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | BILLING DISTRIBUTORS                     | 5726-D41     |     | 103     | 77       |          |          |    | GH30-0185    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | BILLING FOOD DISTRIBUTORS                | 5726-D65     |     | 100     |          |          |          |    | GH30-0156    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | GENERAL LEDGER DISTRIBUTORS              | 5725-D61     |     | 49      |          |          |          |    | GH30-0314    | SYSTEM/32                | 1   | I   | C   |
| >DISTRIBUTORS    | GENERAL LEDGER DISTRIBUTORS              | 5726-D6A     |     | 49      |          |          |          |    | GH30-0219    | SYSTEM/34                | 1   | I   | C   |
| >DISTRIBUTORS    | INVENTORY CONTROL FOOD DISTRIBUTORS      | 5725-D68     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1   | I   | D   |
| >DISTRIBUTORS    | INVENTORY CONTROL DISTRIBUTORS           | 5726-D4C     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | INVENTORY CONTROL DISTRIBUTORS           | 5726-D43     |     | 93      | 70       |          |          |    | GH30-0185    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | INVENTORY CONTROL FOOD DISTRIBUTORS      | 5726-D67     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | PAYROLL DISTRIBUTORS                     | 5725-D63     |     | 63      |          |          |          |    | GH30-0302    | SYSTEM/32                | 1   | I   | C   |
| >DISTRIBUTORS    | PAYROLL DISTRIBUTORS                     | 5726-D6C     |     | 63      |          |          |          |    | GH30-0219    | SYSTEM/34                | 1   | I   | C   |
| >DISTRIBUTORS    | PAYROLL DISTRIBUTORS MFG MAPICS          | 5726-M42     |     | 95      | 71       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | PURCHASING DISTRIBUTORS                  | 5726-D46     |     | 197     | 148      |          |          |    | GH30-0185    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | S/34 DMAS II PHYS INVTY ENHANCE          | 5798-RBN     |     | 92      |          |          |          | 12 | GB30-1506    | SYSTEM/34                | 1   | S   | H   |
| >DISTRIBUTORS    | S/34 DMAS II LIFO SUPPORT                | 5798-RDL     |     | 105     |          |          |          | 12 | GB30-1587    | SYSTEM/34                | 1   | S   | H   |
| >DISTRIBUTORS    | SALES ANALYSIS FOOD DISTRIBUTORS         | 5725-D6C     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1   | I   | D   |
| >DISTRIBUTORS    | SALES ANALYSIS DISTRIBUTORS              | 5726-D4D     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | SALES ANALYSIS DISTRIBUTORS              | 5726-D44     |     | 93      | 70       |          |          |    | GH30-0185    | SYSTEM/34                | 1   | I   | D   |
| >DISTRIBUTORS    | SALES ANALYSIS FOOD DISTRIBUTORS         | 5726-D68     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/34                | 1   | I   | D   |
| DITTO            | DATA INTERFILE TRANSFER, TESTING, OPERNS | 5746-UT3     |     | 36      | 27       | 5        | 8        |    | GH19-6072    | DOS/VSE                  | 1   | S   | K   |
| DITTO            | DITTO ENHANCEMENTS FOR DOS/V5 REL 34     | 5798-CAF/02  |     | 150     |          |          |          | 01 | GB21-2190    | 9027,9029                | 1   | I   | H   |
| DITTO            | DOS DITTO                                | 5798-ARN/01  |     | 66      |          |          |          | 12 | GB21-2190    | DOS                      | 1   | I   | H   |
| DITTO            | DOS DITTO ENHANCEMENTS                   | 5798-ARN/02  |     | 150     |          |          |          | 01 | GB21-2190    | 9027,9029,9500-9501      | 1   | I   | H   |
| DITTO            | DOS DITTO EXTENSIONS FOR S/370           | 5798-CAF/01  |     | 50      |          |          |          | 12 | GB21-2190    | DOS/V5                   | 1   | I   | H   |
| DITTO            | OS DITTO                                 | 5798-ARD     |     | 65      |          |          |          | 12 | GB21-0857    | OS                       | 1   | I   | H   |
| DITTO            | OS DITTO EXTENSIONS                      | 5798-CDA     |     | 100     |          |          |          | 12 | GB21-1549    | OS                       | 1   | I   | H   |
| >DITTO FOR S3-10 | DITTO FOR SYSTEM/3 DISK                  | 5798-NAJ     |     | 75      |          |          |          | 12 | GB30-0809    | SYSTEM/3                 | 1   | I   | H   |
| >DITTO FOR S3-15 | S/3 DITTO FOR MODEL 15 MODEL D           | 5798-NKL     |     | 120     |          |          |          | 12 | GB30-0809    | SYSTEM/3                 | 1   | S   | H   |
| >DITTO FOR S3-8, | DITTO FOR S3-8,10 W/DIR ATT 3741         | 5798-NCJ     |     | 81      |          |          |          | 12 | GB30-0809    | SYSTEM/3                 | 1   | I   | H   |
| DL/I             | CHAINED FILE DL/I BRIDGE                 | 5748-XX3     |     | 437     |          |          |          |    | GH12-5116    | DOS/V5,OS/V5             | 1   | S   | B   |
| DL/I             | CICS/V5 ISAM - DL/I BRIDGE               | 5798-DBH     |     | 160     |          |          |          | 12 | GB21-2549    | DOS/V5E,OS/V5,DOS/V5     | 1   | S   | H   |
| DL/I             | DATA BASE DUMP FOR DL/I                  | 5796-AJE     |     | 400     |          |          |          | 01 | G320-8156    | DOS/V5 DL/I              | 1   | S   | H   |
| DL/I             | DATA LANGUAGE / I                        | 5746-XX1     |     | 372     | 279      | 110      | 176      |    | GH20-1246    | DOS/V5E                  | 2   | S   | K   |
| DL/I             | DL/I - CICS/V5 TEST PROG. STATE INDUST.  | 5796-ARN     |     | 85      |          |          |          | 12 | G320-6053    | DOS/V5                   | 1   | S   | H   |
| DL/I             | DL/I ADVANCED PROGRAMMING COURSE         | 5798-CFC     |     | 160     |          |          |          | 12 | GB21-1665    | IIS,IIPS                 | 1   | L   | H   |
| DL/I             | DL/I BASIC PROGRAMMING COURSE            | 5798-CBA     |     | 160     |          |          |          | 12 | GB21-1416    | IIS,IIPS                 | 1   | L   | H   |
| DL/I             | DL/I FAST SCAN UTILITY FOR DOS/V5        | 5798-CVJ     |     | 195     |          |          |          | 12 | GB21-2380    | DOS/V5 DL/I              | 1   | I   | H   |
| DL/I             | DL/I SPACE MANAGEMENT UTILITIES          | 5796-PKF     |     | 79      |          |          |          |    | G320-6072    | DOS/V5 DL/I              | 1   | S   | E   |

| KEYWORD    | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE # | T I S               |       |
|------------|---|--------------|-----|---------|----------|----------|----------|------------|--------------------------|---------------------|-------|
|            |   |              |     |         |          |          |          |            |                          | P L V               |       |
| DL/I       | DOS MAP DL/I                            | 5796-PCW     |     | 70      |          |          |          | 12         | G320-8159                | DL/I DOS/V5         | 0 5 H |
| DL/I       | HEALTH CARE: PATIENT CARE SYSTEM DL/I   | 5796-ANY     |     | 2900    |          |          |          | 24         | G320-5756                | CICS/OS/V5,IMS/V5   | 2 5 H |
| DL/I       | HEALTH CARE: DL/I PATIENT CARE          | 5796-ATZ     |     | 2900    |          |          |          | 24         | G320-5756                | DOS/V5              | 2 5 H |
| DL/I       | HEALTH CARE: DL/I PATIENT APPOINTMENTS  | 5798-CCA     |     | 830     |          |          |          | 12         | GB21-1468                | DOS/V5 DL/I CICS/V5 | 1 I H |
| DL/I       | HEALTH CARE: DL/I PATIENT REGISTRATION  | 5798-CGE     |     | 315     |          |          |          | 12         | GB21-1729                | OS/V5               | 1 I H |
| DL/I       | HEALTH CARE: DL/I ADMISSIONS SYSTEM     | 5798-CGF     |     | 315     |          |          |          | 12         | GB21-1732                | OS/V5               | 1 I H |
| DL/I       | ISAM - DL/I BRIDGE                      | 5798-CYT     |     | 165     |          |          |          | 12         | GB21-2396                | DOS/V5,DL/I         | 1 5 H |
| >DL/I      | SSX/VSE DL/I                            | 5666-275     |     | 372     | 279      | 110      | 176      |            | G333-6143                | SSX/VSE             | 2 5 K |
| DL/I       | VSPC APL DL/I INTERFACE                 | 5785-FAL     |     | 340     |          |          |          | 12         | GB21-2776                | VSAPL WITH VSPC     | 1 5 H |
| DL/I ENTRY | DATA LANGUAGE / I ENTRY                 | 5746-XX7     |     | 372     | 279      | 22       | 35       |            | GH12-5115                | DOS/V5              | 2 5 K |
| DLF        | DOCUMENT LIBRARY FACILITY               | 5748-XXE     |     | 121     |          |          |          |            | GH20-9163                | DOS/V5,OS/V51,MV5   | 1 5 L |
| DLI.AP     | DL/I ADVANCED PROGRAMMING COURSE        | 5798-CFC     |     | 160     |          |          |          | 12         | GB21-1665                | IIS,IIPS            | 1 L H |
| DLI.BP     | DL/I BASIC PROGRAMMING COURSE           | 5798-CBA     |     | 160     |          |          |          | 12         | GB21-1416                | IIS,IIPS            | 1 L H |
| >DMAS      | ACCOUNTS RECEIVABLE                     | 5725-D43     |     | 68      |          |          |          |            | GH30-0093                | SYSTEM/32           | 1 I D |
| >DMAS      | BILLING INVOICING ORDER ENTRY           | 5725-D41     |     | 98      |          |          |          |            | GH30-0093                | SYSTEM/32           | 1 I D |
| >DMAS      | INVENTORY CONTROL STOCK STATUS          | 5725-D45     |     | 89      |          |          |          |            | GH30-0093                | SYSTEM/32           | 1 I D |
| >DMAS      | SALES ANALYSIS                          | 5725-D47     |     | 89      |          |          |          |            | GH30-0093                | SYSTEM/32           | 1 I D |
| >DMAS II   | ACCOUNTS RECEIVABLE DISTRIBUTORS        | 5726-D4B     |     | 68      |          |          |          |            | GH30-0093                | SYSTEM/34           | 1 I D |
| >DMAS II   | ACCOUNTS RECEIVABLE DISTRIBUTORS        | 5726-D42     |     | 70      | 53       |          |          |            | GH30-0185                | SYSTEM/34           | 1 I D |
| >DMAS II   | BILLING DISTRIBUTORS                    | 5726-D4A     |     | 98      |          |          |          |            | GH30-0093                | SYSTEM/34           | 1 I D |
| >DMAS II   | BILLING DISTRIBUTORS                    | 5726-D41     |     | 103     | 77       |          |          |            | GH30-0185                | SYSTEM/34           | 1 I D |
| >DMAS II   | DMAS II BILLING ENH - FOOD DISTR        | 5798-NXY     |     | 207     |          |          |          | 12         | GB30-1340                | SYSTEM/34           | 1 5 H |
| >DMAS II   | DMAS II BILLING ENH - FOOD DISTR        | 5798-NXY     |     | 207     |          |          |          | 12         | GB30-1340                | SYSTEM/34           | 1 5 H |
| >DMAS II   | DMAS II A/R ENHAN - FOOD DISTR          | 5798-NXZ     |     | 138     |          |          |          | 12         | GB30-1340                | SYSTEM/34           | 1 5 H |
| >DMAS II   | DMAS II A/R ENHAN - FOOD DISTR          | 5798-NXZ     |     | 138     |          |          |          | 12         | GB30-1340                | SYSTEM/34           | 1 5 H |
| >DMAS II   | INVENTORY CONTROL DISTRIBUTORS          | 5726-D4C     |     | 89      |          |          |          |            | GH30-0093                | SYSTEM/34           | 1 I D |
| >DMAS II   | INVENTORY CONTROL DISTRIBUTORS          | 5726-D43     |     | 93      | 70       |          |          |            | GH30-0185                | SYSTEM/34           | 1 I D |
| >DMAS II   | OVER-THE-CTR INV &ACCTS REC INQ OTC     | 5726-DM5     |     | 2070    |          |          |          | 01         | GB30-2501                | SYSTEM/34           | 1 5 C |
| >DMAS II   | PURCHASING DISTRIBUTORS                 | 5726-D46     |     | 197     | 148      |          |          |            | GH30-0185                | SYSTEM/34           | 1 I D |
| >DMAS II   | S/34 DMAS II PHYS INVTY ENHANCE         | 5798-RBN     |     | 92      |          |          |          | 12         | GB30-1506                | SYSTEM/34           | 1 5 H |
| >DMAS II   | S/34 DMAS II LIFO SUPPORT               | 5798-RDL     |     | 105     |          |          |          | 12         | GB30-1587                | SYSTEM/34           | 1 5 H |
| >DMAS II   | S/34 FILE EXTRACT/COMMUNICATION         | 5798-RDD     |     | 75      |          |          |          | 06         | GB30-1576                | SYSTEM/34           | 1 5 H |
| >DMAS II   | SALES ANALYSIS DISTRIBUTORS             | 5726-D4D     |     | 89      |          |          |          |            | GH30-0093                | SYSTEM/34           | 1 I D |
| >DMAS II   | SALES ANALYSIS DISTRIBUTORS             | 5726-D44     |     | 93      | 70       |          |          |            | GH30-0185                | SYSTEM/34           | 1 I D |
| >DMAS II   | 5280 DISTRIBUTION ORDER ENTRY           | 5798-RDF     |     | 35      |          |          |          | 06         | GB30-1576                | 5280 DATA SYSTEM    | 1 5 H |
| DMS        | DMS / DPPX EXECUTION FACILITY           | 5660-265     |     | 16      | 12       | 12       | 19       |            | GH20-2438                | DPPX/BASE           | 1 5 K |
| DMS/CICS   | DEVELOPMENT MANAGEMENT SYSTEM / CICS    | 5740-XC5/01  |     | 269     | 201      | 40       | 64       |            | GH20-2195                | CICS/V5/OS          | 1 5 K |
| DMS/CICS   | DEVELOPMENT MANAGEMENT SYSTEM / CICS    | 5746-XC4/01  |     | 139     | 104      | 40       | 64       |            | GH20-2195                | CICS/V5 DOS         | 1 5 K |
| DMS/CICS   | DMS/CICS APPLICATION GENERATION FEATURE | 5740-XC5/02  |     | 366     | 274      | 40       | 64       |            | GH20-2195                | 6127-6128           | 1 5 K |
| DMS/CICS   | DMS/CICS APPLICATION GENERATION FEATURE | 5746-XC4/02  |     | 208     | 156      | 40       | 64       |            | GH20-2195                | 6080-6086           | 1 5 K |

KEYWORDS - ALPHABETIC SEQUENCE

1-051

CODES EXPLAINED ON PAGE XI



| KEYWORD     | PROGRAM INFORMATION                     | ORDER NUMBER | T | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S |
|-------------|---|--------------|---|---------|----------|----------|----------|----|--------------|--------------------------|-------|
|             |   |              | C |         |          |          |          |    |              |                          | P L V |
| >DMS/CICS   | DMS/CICS EXTENDED ACCESS                | 5798-DJH     |   | 650     |          |          |          |    | 01 GB21-2944 | DMS/CICS/OS/DOS          | 1 S H |
| DMS/CICS/VS | DMS/CICS/VS PROGRAMMING COURSE          | 5798-DAP     |   | 207     |          |          |          |    | 12 GB21-2515 | IIS,IIPS                 | 1 L H |
| DMS/CICS/VS | DMS/CICS/VS ONLINE DEBUGGING AID        | 5798-DEC     |   | 50      |          |          |          |    | 12 GB21-2727 | OS/VS,DOS/VSE            | 1 S H |
| DMS/CMS     | DISPLAY MANAGEMENT SYSTEM / CMS         | 5748-XXB     |   | 30      | 22       | 7        | 1        |    | GC24-5197    | VM/BSE/SE/SP             | 1 S K |
| DMS/DPCX    | DEVELOPMENT MANAGEMENT SYSTEM / DPCX    | 5748-XC4     |   | 632     | 474      | 75       | 120      |    | GH20-2423    | TSO,CICS,CMS             | 1 S K |
| DMS/DPPX    | DMS / DPPX EXECUTION FACILITY           | 5660-265     |   | 16      | 12       | 12       | 19       |    | GH20-2438    | DPPX/BASE                | 1 S K |
| >DMS/DPPX   | DMS/DPPX MANAGEMENT AID                 | 5798-DHH     |   | 240     |          |          |          | 01 | GB21-2904    | DMS/DPPX                 | 0 S H |
| DMS/DPPX    | DPPX DEVELOPMENT MANAGEMENT SYSTEM      | 5760-XC2     |   | 117     | 87       | 50       | 80       |    | GH20-2154    | DPPX                     | 1 S K |
| DMS/VS      | CORMES DMS/VS DOS/VS INTERFACE          | 5798-CTR     |   | 125     |          |          |          | 12 | GB21-2244    | 5746XXM CICS/DOS/VS      | 1 I H |
| DMS/3770    | DISPLAY MANAGEMENT SYSTEM / 3770        | 5748-XC3     |   | 275     |          |          |          |    | GH20-2020    | DOS/VS,OS/VS,CMS         | 1 S C |
| DMS/3790    | DISPLAY MANAGEMENT SYSTEM / 3790        | 5748-XC2/01  |   | 363     |          |          |          |    | GH20-2002    | DOS/VS,OS/VS             | 1 S C |
| DMS/3790    | DMS/3790 INTERFACE MONITOR              | 5748-XC2/02  |   | 242     |          |          |          |    | GH20-2002    | 6032-6034                | 1 S C |
| >DMS/38     | ACCOUNTS RECEIVABLE DISTRIBUTION        | 5714-D42     |   | 99      | 74       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D |
| >DMS/38     | ACCOUNTS PAYABLE DISTRIBUTION           | 5714-D48     |   | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D |
| >DMS/38     | CUSTOMER SERVICE BILLING DISTRIBUTION   | 5714-D41     |   | 113     | 85       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D |
| >DMS/38     | GENERAL LEDGER DISTRIBUTION/MEDIA       | 5714-D47     |   | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D |
| >DMS/38     | INV MGMT PROD REP &ORD VAL EVAL IMPROVE | 5714-D46     |   | 226     | 169      |          |          |    | GH30-0080    | SYSTEM/38                | 1 I D |
| >DMS/38     | INVENTORY CONTROL DISTRIBUTION          | 5714-D43     |   | 106     | 80       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D |
| >DMS/38     | PAYROLL DISTRIBUTION                    | 5714-D49     |   | 77      | 58       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D |
| >DMS/38     | PURCHASING DISTRIBUTION                 | 5714-D45     |   | 218     | 164      |          |          |    | GH30-0648    | SYSTEM/38                | 1 I D |
| >DMS/38     | SALES ANALYSIS DISTRIBUTION             | 5714-D44     |   | 91      | 68       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D |
| DMS1        | DMS/CICS/VS PROGRAMMING COURSE          | 5798-DAP     |   | 207     |          |          |          | 12 | GB21-2515    | IIS,IIPS                 | 1 L H |
| DOBS        | DORTMUND LIBRARY SYSTEM                 | 5787-DAA     |   | 925     |          |          |          | 24 | G320-6662    | OS/VS,CICS/VS,PL/I       | 1 S H |
| >DOBS       | DORTMUND LIBRARY SYSTEM                 | 5787-DAB     |   | 715     |          |          |          | 24 | G320-6662    | DOS/VE,CICS/VS,PL/I      | 1 S H |
| >DOCTOR     | S/23 PHYSICIAN MEDICAL SYS              | 5796-ZAW     |   | 6500    |          |          |          | 01 | GB30-1752    | SYS/23 DATAMASTER        | 1 I H |
| >DOCTOR     | S/34 O/L HOSP FILE MAINT SYSTEM         | 5798-RBX     |   | 120     |          |          |          | 06 | GB30-1514    | SYSTEM/34                | 1 S H |
| DOCUMENT    | DIRECT DOCUMENT VIEWING FACILITY        | 5740-XYK/02  |   | 35      |          |          |          |    | GH12-5124    | 6119-6121                | 2 S B |
| DOCUMENT    | DIRECT DOCUMENT VIEWING FACILITY        | 5740-XY9/02  |   | 278     |          |          |          |    | GH12-5124    | 6107-6108                | 2 S B |
| DOCUMENT    | DOCUMENT INTERCHANGE FACILITY - CENTRAL | 5668-003     |   | 373     |          |          |          |    | GH20-2440    | OS/VS,DOS/VSE,DLF        | 1 S B |
| DOCUMENT    | DOCUMENT INTERCHANGE - DISTRIBUTED      | 5668-004     |   | 40      |          |          |          |    | GC27-0546    | DOSF/8100,3730           | 1 S B |
| DOCUMENT    | DOCUMENT LIBRARY FACILITY               | 5748-XXE     |   | 121     |          |          |          |    | GH20-9163    | DOS/VS,OS/VS1,MVS        | 1 S L |
| DOCUMENT    | DOCUMENT COMPOSITION FACILITY - DCF     | 5748-XX9/01  |   | 281     |          |          |          |    | GH20-9158    | OS/DOS/VM                | 1 S L |
| DOCUMENT    | DOCUMENT COMPOSITION TRAINING           | 5796-PNE     |   | 100     |          |          |          | 12 | G320-6331    | IIS,IIPS                 | 1 L H |
| DOCUMENT    | DOCUMENT COMPOSITION FACILITY FOR 6670  | 5798-DBR     |   | 56      |          |          |          | 12 | GB21-2563    | VM/CMS MVS               | 1 S H |
| >DOCUMENT   | HOST DOCUMENT VIEW FACILITY             | 5796-BCL     | P | 180     |          |          |          | 24 | G320-6640    | MVS,DISOSS,IMS,CICS      | 1 S H |
| DOCUMENT    | MICR DOCUMENT FINE SORT                 | 5798-BCN     |   | 183     |          |          |          | 12 | GB21-1327    | DOS/VS                   | 1 I H |
| DOCUMENT    | 3800 SYSTEM DESIGN AND DOCUMENT AID     | 5796-ATY     |   | 170     |          |          |          | 12 | G320-6082    | OS/VS                    | 1 I H |
| DOCUMENT    | 3890 DOCUMENT PROCESSOR SUPPORT         | 5746-DC1     |   | 90      |          |          |          |    | GC31-0001    | DOS/VSE                  | 1 S B |
| >DOCUMENT   | CONTR0 3694 DOCUMENT CTL SECTION EDIT   | 5798-RFL     |   | 100     |          |          |          | 12 | GB30-1645    | SYSTEM/34                | 1 S H |
| >DOCUMENT   | DISTRI HOST/370 STORE & FORWARD 5520    | 5798-RHA     |   | 1000    |          |          |          | 12 | GB30-1690    |                          | 1 S H |

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|----------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >DOCUMENT      | DISTRIB 5/34 REMOTE DOC DISTRIB W/ 5520  | 5798-RHK     |     | 250     |          |          |          | 06 GB30-1721 | SYSTEM/34                | 1 S H       |
| >DOCUMENT      | PROCES 3694 ALLTIMES FILE TRANS FACIL    | 5798-RFJ     |     | 100     |          |          |          | 12 GB30-1645 | SYSTEM/34                | 1 S H       |
| >DOCUMENT      | PROCES 3694 ALLTIMES FILE TRANS FACIL    | 5798-RFJ     |     | 100     |          |          |          | 12 GB30-1645 | SYSTEM/34                | 1 S H       |
| >DOCUMENT      | PROCES 5280 PROGRAMMER'S PROD AID & T/E  | 5798-RHC     |     | 550     |          |          |          | 01 GB30-1702 | 5280 DATA SYSTEM         | 1 S H       |
| >DOCUMENTATION | DISK RPG II CROSS REF/DOCU AID           | 5798-AVL     |     | 161     |          |          |          | 01 GB21-1107 | SYSTEM/3                 | 0 I H       |
| DOCUMENTATION  | INSTALLATION MANAGEMENT DOCUMENTATION    | 5798-CZW     |     | 90      |          |          |          | 12 GB21-2481 | OS/VSE                   | 1 I H       |
| DOCUMENTATION  | JOB DOCUMENTATION AND OPERATIONS SETUP   | 5796-AVT     |     | 80      |          |          |          | 12 G320-6340 | DOS/VSE                  | 1 S H       |
| >DOCUMENTATION | OCL DOCUMENTATION & MODIF AID            | 5798-NJP     |     | 345     |          |          |          | 01 GB30-0918 | SYSTEM/3                 | 0 S H       |
| DOCUMENTATION  | RPG II ANALYSIS AND DOCUMENTATION AID    | 5798-CDL     |     | 300     |          |          |          | 01 GB21-1566 | DOS/VSE                  | 0 I H       |
| >DOCUMENTATION | S/38 SOURCE ARCHIVE                      | 5798-RFD     |     | 60      |          |          |          | 06 GB30-1630 | SYSTEM/38                | 1 S H       |
| >DOCUMENTATION | A APPLICATION FLOWCHARTER                | 5798-NLW     |     | 345     |          |          |          | 01 GB30-1043 | SYSTEM/32                | 0 S H       |
| >DOCUMENTATION | A DATA BASE TECHNIQUES                   | 5798-NKG     |     | 115     |          |          |          | 06 GB30-0959 | SYSTEM/3                 | 1 S H       |
| >DOCUMENTATION | A DATA BASE TECHNIQUES                   | 5798-NLA     |     | 104     |          |          |          | 06 GB30-0995 | SYSTEM/32                | 1 S H       |
| >DOCUMENTATION | A DATA BASE TECHNIQUES                   | 5798-NQK     |     | 138     |          |          |          | 06 GB30-1170 | SYSTEM/34                | 1 S H       |
| >DOCUMENTATION | A DOC AID FOR RPG II PROGS/PACKS         | 5798-BCW     |     | 58      |          |          |          | 06 GB21-1312 | SYSTEM/3                 | 0 I H       |
| >DOCUMENTATION | A PROGRAM DOCUMENTATION AID              | 5796-NXP     |     | 345     |          |          |          | 01 GB30-1333 | 5120 SYSTEM              | 0 S H       |
| DOMAIN         | CROSS DOMAIN NETWORK DATA TRANSFER       | 5798-DAE     |     | 100     |          |          |          | 12 GB21-2498 | DOS/VSE, DOS/VSE, OS/VSE | 1 S H       |
| DORTMUND       | DORTMUND LIBRARY SYSTEM                  | 5787-DAA     |     | 925     |          |          |          | 24 G320-6662 | OS/VSE, CICS/VSE, PL/I   | 1 S H       |
| >DORTMUND      | DORTMUND LIBRARY SYSTEM                  | 5787-DAB     |     | 715     |          |          |          | 24 G320-6662 | DOS/VSE, CICS/VSE, PL/I  | 1 S H       |
| DOS            | COBOL MAINTENANCE AID DOS                | 5796-AHY     |     | 500     |          |          |          | 01 G320-8146 | DOS/VSE                  | 1 I H       |
| DOS            | CONSUMER GOODS SYSTEM - ALLOCATION DOS   | 5736-D31     |     | 165     |          |          |          | GH20-0721    | DOS, DOS/VSE             | 1 I C       |
| DOS            | DATA-SET CONVERSION AID DOS 3330 3340    | 5798-AMN     |     | 275     |          |          |          | 01 GB21-0740 | DOS                      | 0 I H       |
| DOS            | DOS / VIRTUAL STORAGE EXTENDED           | 5745-030     |     |         |          |          |          | GC33-6108    |                          | 0 S J       |
| DOS            | DOS DATA BASE GUIDE & SPACE ESTIMATES    | 5798-DFJ     |     | 35      |          |          |          | 12 GB21-2798 | DOS/VSE, DOS/VSE         | 1 S H       |
| DOS            | DOS DITTO                                | 5798-ARN/01  |     | 66      |          |          |          | 12 GB21-2190 | DOS                      | 1 I H       |
| DOS            | DOS DITTO ENHANCEMENTS                   | 5798-ARN/02  |     | 150     |          |          |          | 01 GB21-2190 | 9027, 9029, 9500-9501    | 1 I H       |
| DOS            | DOS DITTO EXTENSIONS FOR S/370           | 5798-CAF/01  |     | 50      |          |          |          | 12 GB21-2190 | DOS/VSE                  | 1 I H       |
| DOS            | DOS EMULATOR                             | 5744-AS1     |     |         |          |          |          | GC33-2017    | OS/VSE                   | 0 S C       |
| DOS            | DOS FORTRAN IV LIBRARY OPTION 1          | 5746-LM3     |     | 38      | 28       | 5        | 8        | GC26-6882    | DOS                      | 1 S K       |
| DOS            | DOS MAP DL/1                             | 5796-PCW     |     | 70      |          |          |          | 12 G320-8159 | DL/1 DOS/VSE             | 0 S H       |
| DOS            | DOS PL/I RESIDENT LIBRARY                | 5736-LM4     |     | 55      | 41       | 5        | 8        | GC33-0004    | DOS, DOS/VSE, VSE, CMS   | 1 S K       |
| DOS            | DOS PL/I TRANSIENT LIBRARY RELEASE 6     | 5736-LM5     |     | 32      | 24       | 5        | 8        | GC33-0004    | DOS, DOS/VSE, VSE, CMS   | 1 S K       |
| DOS            | DOS PL/I OPTIMIZING COMPILER             | 5736-PL1     |     | 235     | 176      | 31       | 50       | GC33-0004    | DOS, DOS/VSE, VSE, CMS   | 1 S K       |
| DOS            | DOS PL/I OPTIMIZING COMPILER & LIBRARY   | 5736-PL3     |     | 322     | 241      | 41       | 66       | GC33-0004    | DOS, DOS/VSE, VSE, CMS   | 1 S K       |
| DOS            | DOS RPG II                               | 5736-RG1/01  |     | 94      |          |          |          | GC21-5021    | DOS, DOS/VSE             | 1 S C       |
| DOS            | DOS RPG II AUTO REPORT FEATURE           | 5736-RG1/02  |     | 25      |          |          |          | GC21-5052    | 6017-6021, 6035-6037     | 1 S C       |
| DOS            | DOS SORT MERGE                           | 5743-SM1     |     | 43      |          |          |          | GC33-4020    | DOS                      | 1 S C       |
| DOS            | DOS SOURCE STATEMENT LIBRARY MAINTENANCE | 5798-AND     |     | 70      |          |          |          | 06 GB21-0999 | DOS COBOL                | 1 I H       |
| DOS            | DOS TYPE-I PROGRAMS RUNNING WITH DOS/VSE | 5731-AA1     |     |         |          |          |          |              |                          | 0 S S       |
| >DOS           | DOS VIDEO/370 REVERSE EXTRACT II         | 5798-DHD     | P   | 75      |          |          |          | 12 GB21-2893 | DOS/VSE                  | 1 S H       |

| KEYWORD | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|---------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| DOS     | DPS TO DOS CONVERSION AID                | 5798-ANJ     |     | 522     |          |          |          |    | 01 GB21-1336 | S/360-MODEL 20 DPS       | 0 S H       |
| DOS     | DPS TO DOS CONVERSION AID                | 5798-BDA     |     | 615     |          |          |          |    | 01 GB21-1336 | DOS/V5 DOS               | 0 S H       |
| DOS     | ENVIROTECH DOS TO OS CONVERSION AID      | 5796-AFZ     |     | 3665    |          |          |          |    | 01 G320-8124 | OS OS/V5                 | 1 I H       |
| DOS     | S/3 TO DOS RPG II CONVERSION AID         | 5798-CAA     |     | 400     |          |          |          |    | 01 GB21-1389 | DOS/V5                   | 0 I H       |
| DOS     | VIDEO/370 CICS FEATURE DOS               | 5736-RC3/02  |     | 61      | 45       | 19       | 31       |    | GC28-8313    | 6038-6040                | 0 S C       |
| DOS/V5  | ACTION CENTER SUPPORT SYSTEM DOS/V5      | 5796-ALY     |     | 175     |          |          |          | 24 | G320-5717    | DOS/V5, DOS/CICS/V5      | 1 I H       |
| DOS/V5  | CORMES DMS/V5 DOS/V5 INTERFACE           | 5798-CTR     |     | 125     |          |          |          | 12 | GB21-2244    | 5746XXM CICS/DOS/V5      | 1 I H       |
| DOS/V5  | DISK WORK FILE MANAGER FOR DOS/V5        | 5796-ANK     |     | 100     |          |          |          | 12 | G320-5741    | DOS/V5                   | 1 S H       |
| DOS/V5  | DITTO ENHANCEMENTS FOR DOS/V5 REL 34     | 5798-CAF/02  |     | 150     |          |          |          | 01 | GB21-2190    | 9027,9029                | 1 I H       |
| DOS/V5  | DL/I FAST SCAN UTILITY FOR DOS/V5        | 5798-CYJ     |     | 195     |          |          |          | 12 | GB21-2380    | DOS/V5 DL/I              | 1 I H       |
| DOS/V5  | DOS/V5 SORT MERGE                        | 5746-SM1     |     | 68      |          |          |          |    | GC33-4030    | DOS/V5                   | 1 S C       |
| DOS/V5  | DOS/V5 SORT MERGE VERSION 2              | 5746-SM2     |     | 101     | 76       | 11       | 18       |    | GC33-4043    | DOS/V5, VM/SP/CMS        | 1 S K       |
| DOS/V5  | DOS/V5 ADVANCED FUNCTIONS                | 5746-XE2     |     | 189     | 141      | 55       | 88       |    | GC33-6106    | DOS/V5                   | 1 S K       |
| DOS/V5  | DOS/V5 TO MVS MACRO CONVERSION AID       | 5785-EBE     |     | 6000    |          |          |          |    | 01 GB21-2788 | DOS/VSE, MVS, VM/CMS     | 0 I H       |
| DOS/V5  | DOS/V5 TO MVS JOBSTREAM CONVERSION AID   | 5785-EBF     |     | 4020    |          |          |          |    | 01 GB21-2790 | DOS/VSE, MVS, VM/CMS     | 0 I H       |
| DOS/V5  | DOS/V5 TO MVS COBOL, PL/I CONVERSION AID | 5785-EBG     |     | 3940    |          |          |          |    | 01 GB21-2792 | DOS/VSE, MVS, VM/CMS     | 0 I H       |
| DOS/V5  | DOS/V5 SYSTEM PROGRAMMING AID            | 5796-ALX     |     | 195     |          |          |          | 12 | G320-5718    | DOS/V5, CICS/V5          | 1 S H       |
| DOS/V5  | DOS/V5 CHAINED CCM PRINT SUBROUTINE      | 5796-ARH     |     | 350     |          |          |          | 01 | G320-5828    | DOS/V5                   | 1 S H       |
| DOS/V5  | DOS/V5 DASD DEVICE INDEPENDENCE OPEN     | 5798-AWH/01  |     | 43      |          |          |          | 24 | GB21-1002    | DOS/V5                   | 0 I H       |
| DOS/V5  | DOS/V5 DASD DI-OPEN ENHANCEMENT          | 5798-AWH/02  |     | 150     |          |          |          | 01 | GB21-1002    | 9015                     | 0 I H       |
| DOS/V5  | DOS/V5 ASSEMBLER LABEL TRACE FACILITY    | 5798-AWJ     |     | 54      |          |          |          | 06 | GB21-1008    | DOS/V5                   | 1 S H       |
| DOS/V5  | DOS/V5 DASD SPACE UTILIZATION ANALYSIS   | 5798-CHW     |     | 64      |          |          |          | 12 | GB21-1810    | DOS/V5                   | 1 S H       |
| DOS/V5  | DOS/V5 INTERACTIVE DEBUG FACILITY        | 5798-CKF     |     | 90      |          |          |          | 12 | GB21-1897    | DOS/V5                   | 1 S H       |
| DOS/V5  | DOS/V5 LOADER                            | 5798-CKG     |     | 99      |          |          |          |    | GB21-1900    | DOS/V5                   | 1 S E       |
| DOS/V5  | DOS/V5 3540 DISKETTE UTILITY             | 5798-CNZ     |     | 110     |          |          |          | 12 | GB21-2056    | DOS/V5                   | 1 S H       |
| DOS/V5  | DOS/V5 REMOTE JOB ENTRY WORKSTATION RJE  | 5799-WHX     |     |         |          |          |          |    | GH20-1574    | DOS/V5                   | 0 S C       |
| DOS/V5  | DOS/V5 SUPPORT FOR 3330 - 3333-11        | 5799-WHZ     |     |         |          |          |          |    | GH20-4376    |                          | 0 S C       |
| DOS/V5  | S/3 OCL TO DOS/V5 JCL CONVERSION AID     | 5798-CQJ     |     | 600     |          |          |          |    | 01 GB21-2130 | ASSEMBLER, VSAM          | 0 S H       |
| DOS/V5  | VSAM CATALOG LIST DOS/V5                 | 5796-ALQ     |     | 70      |          |          |          | 12 | G320-5716    | DOS/V5                   | 1 I H       |
| DOS/V5  | VSAMZAP FOR DOS/V5                       | 5796-PKG     |     | 60      |          |          |          | 12 | G320-5826    | DOS/V5                   | 1 I H       |
| DOS/V5  | 3760 AUTOMATED DOS/V5 JOB SUBMISSION     | 5796-AWA     |     | 60      |          |          |          | 12 | G320-6085    | DOS/V5, 5747-BW1         | 1 S H       |
| DOS/V5  | 3890 DOS/V5 OFFLINE SORT                 | 5798-CFD/01  |     | 124     |          |          |          | 12 | GB21-1662    | DOS/V5, 5798-BDC         | 1 S H       |
| DOS/V5  | 3890 DOS/V5 CYCLE SORT                   | 5798-CQX     |     | 408     |          |          |          | 12 | GB21-2165    | DOS/V5, 5798-BDC         | 1 S H       |
| DOS/V5  | 3890 ONLINE FINE SORT - DOS/V5           | 5798-CWR     |     | 845     |          |          |          | 12 | GB21-2276    | DOS/V5 DOS/VSE REL       | 1 S H       |
| DOS/VSE | ACF/VTAM - DOS/VSE                       | 5746-RC3/01  |     | 134     | 100      | 42       | 67       |    | GC27-0462    | DOS/VSE/AF               | 2 S K       |
| DOS/VSE | BTAM-ES FOR DOS/VSE                      | 5746-RC5     |     | 32      | 24       | 5        | 8        |    | GC38-0292    | DOS/VSE, BTAM-ES         | 1 S K       |
| DOS/VSE | DOS / VIRTUAL STORAGE EXTENDED           | 5745-030     |     |         |          |          |          |    | GC33-6108    |                          | 0 S J       |
| DOS/VSE | DOS/VSE REMOTE JOB ENTRY WORKSTATION     | 5746-RC9     |     | 103     |          |          |          |    | GH20-2199    | VSE TO VM/CMS, OS/V5     | 1 S B       |
| DOS/VSE | DOS/VSE DEVICE SUPPORT FACILITIES        | 5747-DS2     |     |         |          |          |          |    | GC26-3946    | DIRECT ACCESS DEVICE     | 0 S S       |
| DOS/VSE | DOS/VSE SYSTEM IPO/E - DR/DC             | 5750-AAA     |     | *       | *        | *        | *        |    | GC20-1935    | DOS/VSE                  | * S *       |

KEYWORDS - ALPHABETIC SEQUENCE

1-054

CODES EXPLAINED ON PAGE XI

| KEYWORD     | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|-------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| DOS/VSE     | DOS/VSE SYSTEM IPO/E - DC                | 5750-AAB     |     | *       | *        | *        | *        | GC20-1935    | DOS/VSE                  | * * *       |
| DOS/VSE     | DOS/VSE SYSTEM IPO/E - BATCH INTERACTIVE | 5750-AAC     |     | *       | *        | *        | *        | GC20-1935    | DOS/VSE                  | * * *       |
| DOS/VSE     | 3890 DOS/VSE OFFLINE FINE SORT II        | 5798-CFD/02  |     | 88      |          |          |          | 12 GB21-1662 | 9560-9561                | 1 S H       |
| DOSCHECK    | DOSCHECK INSTALLED USER EDUCATION GUIDE  | 5796-002     |     | 1700    |          |          |          | 01 G320-6086 | DOCUMENTATION MATLS      | 0 S H       |
| DOSCHECK    | ELECTRONIC PAYMENT SYSTEMS               | 5746-F12     |     | 1110    |          |          |          | GH20-1939    | DOS/V5                   | 2 J B       |
| DOSF        | DISTRIBUTED OFFICE SUPPORT FACILITY      | 5761-XX1     |     | 570     | 427      | 84       | 134      | GC27-0546    | DPCX                     | 1 S K       |
| >DOW JONES  | S/23 DATAMASTER DOW JONES NEWS           | 5798-RRQ     |     | 275     |          |          |          | 01 GB30-1684 | SYS/23 DATAMASTER        | 1 I H       |
| *DOWNSTREAM | DOWNSTREAM LOAD UTILITY                  | 5668-006     |     | 93      | 69       | 5        | 8        | GC33-6125    | DOS/VSE,OS/VS1           | 1 S K       |
| DPA         | DATA PROCESSING ACCOUNTING FOR IMS/V5    | 5740-DC2     |     | 385     |          |          |          | GH19-6028    | OS/V5                    | 1 I C       |
| DPCX        | DEVELOPMENT MANAGEMENT SYSTEM / DPCX     | 5748-XC4     |     | 632     | 474      | 75       | 120      | GH20-2423    | T50,C1CS,CMS             | 1 S K       |
| DPCX        | DISTRIBUTED PROCESSING CONTROL EXECUTIVE | 5761-DS1/01  |     | 269     | 201      | 74       | 118      | GC22-9075    | 8100,5735-XR3            | 1 S K       |
| DPCX        | DPCX ACCOUNTING SYSTEM / DEPARTMENTAL    | 5798-DDL     |     | 110     |          |          |          | 12 GB21-2688 | DMS/3790,DPCX            | 1 S H       |
| DPCX        | DPCX EMPLOYMENT SERVICE JOB BROWSE       | 5798-DCY     |     | 90      |          |          |          | 12 GB21-2659 | 8100/DPCX                | 1 S H       |
| DPCX        | DPCX OUTPATIENT BILLING SYSTEM           | 5798-DOP     |     | 265     |          |          |          | 12 GB21-2626 | 8100/DPCX                | 1 S H       |
| DPCX        | DPPX DPCX HOST COMMAND FACILITY          | 5735-XR1     |     | 97      | 72       | 27       | 43       | GC27-0453    | OS/V5,DOS/V5             | 1 S K       |
| >DPCX       | HOST COMMAND FACILITY DPPX DPCX          | 5668-985     |     | 150     | 112      | 30       | 48       | GC27-0453    | DOS/VSE,OS/V5            | 1 S K       |
| DPCX        | 3790 3770 HOST SUPPORT DPCX              | 5747-BQ1     |     |         |          |          |          | GC22-9071    | DOS/V5                   | 0 S N       |
| DPCX        | 8100 DPCX IDTF FEATURE                   | 5761-DS1/02  |     | 74      | 55       | 9        | 14       | GC22-9075    | 6001                     | 1 S K       |
| DPCX        | 8100 DPCX 3790 DATA-SET UTILITY PROGRAM  | 5785-DC1     |     | 115     |          |          |          | 12 GB21-2535 | VS1 DOS/VSE              | 1 S H       |
| DPCX        | 8100 DPCX 3790 SORT/MERGE PROGRAM        | 5798-DAL     |     | 35      |          |          |          | 12 GB21-2501 | DOS/VSE OS/V5            | 1 S H       |
| DPDS        | 8100 DPPX DEVELOPMENT SYSTEM - DPDS      | 5799-AZL     |     | 632     |          |          |          | GC27-0505    | OS/V5                    | 1 S C       |
| DPPX        | DMS / DPPX EXECUTION FACILITY            | 5660-265     |     | 16      | 12       | 12       | 19       | GH20-2438    | DPPX/BASE                | 1 S K       |
| DPPX        | DPPX ASSEMBLER                           | 5760-AS1     |     | 63      | 47       | 14       | 22       | GC27-0411    | DPPX                     | 1 S K       |
| DPPX        | DPPX COBOL COMPILER                      | 5760-CB1     |     | 121     | 90       | 20       | 32       | GC26-3914    | DPPX                     | 1 S K       |
| DPPX        | DPPX COBOL RUN TIME LIBRARY              | 5760-LB1     |     | 21      | 15       | 4        | 6        | GC26-3914    | DPPX                     | 1 S K       |
| DPPX        | DPPX COBOL APPLICATION CROSS REFERENCE   | 5798-DDJ     |     | 20      |          |          |          | 12 GB21-2672 | DPPX                     | 1 S H       |
| DPPX        | DPPX DISTRIBUTED PRESENTATION SERVICES   | 5660-264/01  |     | 53      | 39       | 14       | 22       | GC33-0122    | DPPX                     | 1 S K       |
| DPPX        | DPPX DPCX HOST COMMAND FACILITY          | 5735-XR1     |     | 97      | 72       | 27       | 43       | GC27-0453    | OS/V5,DOS/V5             | 1 S K       |
| DPPX        | DPPX DATA BASE TRANSACTION MANAGEMENT    | 5760-TD1     |     | 124     | 93       | 16       | 26       | GC26-3915    | DPPX                     | 1 S K       |
| DPPX        | DPPX DEVELOPMENT MANAGEMENT SYSTEM       | 5760-XC2     |     | 117     | 87       | 50       | 80       | GH20-2154    | DPPX                     | 1 S K       |
| DPPX        | DPPX DISTRIBUTED PRESENTATION SERVICES   | 5760-XR1/01  |     | 40      | 30       | 9        | 15       | GC33-0090    | DPPX                     | 1 S K       |
| DPPX        | DPPX DATA CAPTURE AND MANAGEMENT SYSTEM  | 5760-XR6     |     | 95      | 71       | 23       | 37       | GH20-2421    | DPPX                     | 1 S K       |
| DPPX        | DPPX DTMS DPS TRANSACTION SIMULATION     | 5798-DDP     |     | 95      |          |          |          | 12 GB21-2701 | 8100/DPPX                | 1 S H       |
| DPPX        | DPPX FORTRAN COMPILER                    | 5760-F01     |     | 97      | 72       | 20       | 32       | GC27-0417    | DPPX                     | 1 S K       |
| DPPX        | DPPX FORTRAN LIBRARY                     | 5760-LM1     |     | 47      | 35       | 12       | 19       | GC27-0417    | DPPX                     | 1 S K       |
| DPPX        | DPPX INTERACTIVE MAP DEFINITION FEATURE  | 5660-264/02  |     | 151     | 113      | 16       | 25       | GC33-0122    | 6000                     | 1 S K       |
| DPPX        | DPPX INTERACTIVE PRODUCTIVITY FACILITY   | 5660-271     |     | 32      | 24       | 9        | 14       | GC27-0400    | DPPX/BASE WITH 6006      | 1 S K       |
| DPPX        | DPPX INTERACTIVE MAP DEFINITION FEATURE  | 5760-XR1/02  |     | 103     | 77       | 13       | 21       | GC33-0090    | 6000                     | 1 S K       |
| >DPPX       | DPPX MORTGAGE BANKING SYSTEM             | 5798-DDN     |     | 515     |          |          |          | 12 GB21-2691 | DPPX/BASE                | 1 S H       |
| >DPPX       | DPPX PROBLEM DETERMINATION AID           | 5660-272     |     | 25      | 18       | 8        | 13       | GC27-0400    | DPPX+NPDA-V2             | 1 S K       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER       | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T I S                |       |
|------------------|--|-------------|---|------|------|------|------|---------|-------------|----------------------|-------|
|                  |  | NUMBER      | C | FEE  | FEE  | FEE  | FEE  |         |             |                      | MO    |
| >DPPX            | DPPX PROGRAMMED OPERATOR FACILITY        | 5660-273    |   | 580  | 435  | 5    | 8    | 01      |             | DPPX/BASE            | 1 S K |
| DPPX             | DPPX PL/I LIBRARY                        | 5760-LM2    |   | 50   | 37   | 8    | 13   |         | GH19-6081   | DPPX                 | 1 S K |
| DPPX             | DPPX PL/I COMPILER                       | 5760-PL1    |   | 290  | 217  | 30   | 48   |         | GH19-6081   | DPPX                 | 1 S K |
| DPPX             | DPPX PERFORMANCE TOOL MONITOR            | 5760-XR5/01 |   | 48   |      |      |      |         | GH20-2155   | DPPX                 | 1 S B |
| DPPX             | DPPX PERFORMANCE TOOL REPORTER FEATURE   | 5760-XR5/02 |   | 55   |      |      |      |         | GH20-2155   | 6002                 | 1 S B |
| >DPPX            | DPPX POWER PLANT MAINTENANCE             | 5798-DE     |   | 170  |      |      |      | 12      | GB21-2729   | DMS/DPPX             | 1 S H |
| DPPX             | DPPX REMOTE JOB ENTRY WORKSTATION        | 5760-XC1    |   | 32   | 24   | 16   | 26   |         | GC30-3053   | DPPX TO OS,VSE,VM    | 1 S K |
| DPPX             | DPPX SORT MERGE                          | 5760-SM1    |   | 28   | 21   | 12   | 19   |         | GC26-3931   | DPPX                 | 1 S K |
| DPPX             | DPPX SDLC AUTO ANSWER                    | 5799-BDE    |   | 23   | 17   |      |      |         |             | 8100/DPPX            | 1 S B |
| DPPX             | DPPX 3644 PARAMETER TABLE GENERATOR      | 5760-ED1    |   | 24   | 18   | 6    | 10   |         | GC24-5179   | DPPX                 | 1 S K |
| DPPX             | DPPX 3270 DATA STREAM COMPATIBILITY      | 5760-RC1    |   | 21   | 15   | 28   | 45   |         | GC27-0400   | DPPX                 | 1 S K |
| >DPPX            | HOST COMMAND FACILITY DPPX DPCX          | 5668-985    |   | 150  | 112  | 30   | 48   |         | GC27-0453   | DOS/VSE,OS/V5        | 1 S K |
| DPPX             | SYSTEM IPO FOR DPPX                      | 5750-BA1    |   | *    | *    | *    | *    |         | GC20-1883   |                      | ** *  |
| DPPX             | 8100 DPPX PAYROLL MANAGEMENT SYSTEM      | 5798-DDD    |   | 300  |      |      |      | 12      | GB21-2666   | DPPX/BASE            | 1 S H |
| >DPPX            | 8100 DPPX SPOOL OUTPUT TRANSCRIPTION     | 5798-DHW    |   | 600  |      |      |      | 01      | GB21-2926   | DPPX                 | 1 S H |
| DPPX             | 8100 DPPX DEVELOPMENT SYSTEM - DPDS      | 5799-AZL    |   | 632  |      |      |      |         | GC27-0505   | OS/V5                | 1 S C |
| DPPX/BASE        | DISTRIBUTED PROCESSING PROGRAM EXECUTIVE | 5760-010/01 |   | 239  | 179  | 124  | 198  |         | GC27-0400   | 8100                 | 1 S K |
| DPPX/BASE        | DPPX/BASE COMMAND FACILITY EXTENSIONS    | 5760-010/02 |   | 18   | 13   | 8    | 12   |         | GC27-0400   | 6006                 | 1 S K |
| DPPX/CFE         | DPPX/BASE COMMAND FACILITY EXTENSIONS    | 5760-010/02 |   | 18   | 13   | 8    | 12   |         | GC27-0400   | 6006                 | 1 S K |
| >DPPX/DMS        | ORDER ENTRY USING DPPX/DMS               | 5798-DEZ    |   | 175  |      |      |      | 24      | GB21-2794   | DPPX/DMS,DPPX/DTMS   | 1 S H |
| DPS              | DPPX DISTRIBUTED PRESENTATION SERVICES   | 5660-264/01 |   | 53   | 39   | 14   | 22   |         | GC33-0122   | DPPX                 | 1 S K |
| DPS              | DPPX DISTRIBUTED PRESENTATION SERVICES   | 5760-XR1/01 |   | 40   | 30   | 9    | 15   |         | GC33-0090   | DPPX                 | 1 S K |
| DPS              | DPPX DTMS DPS TRANSACTION SIMULATION     | 5798-DOP    |   | 95   |      |      |      | 12      | GB21-2701   | 8100/DPPX            | 1 S H |
| DPS              | DPS TO DOS CONVERSION AID                | 5798-ANJ    |   | 522  |      |      |      | 01      | GB21-1336   | S/360-MODEL 20 DPS   | 0 S H |
| DPS              | DPS TO DOS CONVERSION AID                | 5798-BDA    |   | 615  |      |      |      | 01      | GB21-1336   | DOS/V5 DOS           | 0 S H |
| DRAWING          | SOFTCOPY - A CADAM (R) DRAWING VIEWER    | 5796-PNP    |   | 293  |      |      |      |         | 6320-6388   | MVS-TSO,VM/CMS,32776 | 1 S E |
| >DRIVEN          | EVENT DRIVEN EXECUTIVE QUERY             | 5719-XR1    | R | 22   |      |      |      |         | GC34-0457   | SERIES/1             | 1 S E |
| DRIVEN           | EVENT DRIVEN EXECUTIVE                   | 5796-PGH    |   | 825  |      |      |      | 12      | 6320-5677   | OS/MVT,MVS           | 1 S H |
| >DRUG STORE      | S/1 EDX CHAIN PHARMACY SYS               | 5798-R6D    | P | 2200 |      |      |      | 01      | GB30-1699   | SERIES/1             | 1 S H |
| >DRUG STORES     | S/1 EDX RETAIL PHARMACY SYSTEM           | 5796-NZT    |   | 195  |      |      |      | 24      | GB30-1421   | SERIES/1             | 1 S H |
| >DRUGGISTS       | NURSING HOME PHARMACY SYSTEM             | 5798-NRL    |   | 138  |      |      |      | 12      | GB30-1224   | SYSTEM/32            | 1 S H |
| >DRUGGISTS       | RETAIL PHARMACY SYSTEM                   | 5796-NLC    |   | 287  |      |      |      | 12      | GB30-1000   | SYSTEM/32            | 1 S H |
| >DRUGGISTS       | RETAIL PHARMACY SYSTEM                   | 5798-NRN    |   | 603  |      |      |      | 12      | GB30-1226   | SYSTEM/34            | 1 S H |
| >DRUID CITY HOSP | DRUID CITY--PSRO HOSP UTILIZATN          | 5796-NBE    |   | 172  |      |      |      | 12      | GB30-0592   | SYSTEM/3             | 1 I H |
| DSC              | DPPX 3270 DATA STREAM COMPATIBILITY      | 5760-RC1    |   | 21   | 15   | 28   | 45   |         | GC27-0400   | DPPX                 | 1 S K |
| DSF              | DOS/VSE DEVICE SUPPORT FACILITIES        | 5747-DS2    |   |      |      |      |      |         | GC26-3946   | DIRECT ACCESS DEVICE | 0 S S |
| DSF              | STANDALONE DEVICE SUPPORT FACILITIES     | 5747-DS1    |   |      |      |      |      |         | GC26-3946   | DIRECT ACCESS DEVICE | 0 S S |
| DSL              | DIRECT SWIFT LINK                        | 5740-F15    |   | 1525 |      |      |      |         | GH12-5050   | CICS/OS/V5           | 1 S B |
| DSL              | DIRECT SWIFT LINK                        | 5740-F16    |   | 1805 |      |      |      |         | GH12-5050   | IMS/V5               | 1 S B |
| DSL              | DIRECT SWIFT LINK                        | 5746-F14    |   | 1245 |      |      |      |         | GH12-5133   | CICS/DOS/V5,DOS/VSE  | 1 S B |

KEYWORDS - ALPHABETIC SEQUENCE

1-056

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| DSLU             | DOWNSTREAM LOAD UTILITY                   | 5668-006     |     | 93      | 69       | 5        | 8        | GC33-6125    | DOS/VSE,OS/VS1           | 1 S K       |
| >DSX             | DISTRIBUTED SYSTEMS EXECUTIVE VER 2       | 5668-986     | P   | 380     | 285      | 41       | 65       | GH19-6229    | OS/V5,DOS/VSE            | 1 S K       |
| DSX              | DISTRIBUTED SYSTEMS EXECUTIVE VER 1       | 5748-XXG     |     | 220     | 165      | 41       | 65       | GH20-2149    | OS/V5,DOS/VSE            | 1 S K       |
| DTMS             | DPPX DATA BASE TRANSACTION MANAGEMENT     | 5760-TD1     |     | 124     | 93       | 16       | 26       | GC26-3915    | DPPX                     | 1 S K       |
| DTMS             | DPPX DTMS DPS TRANSACTION SIMULATION      | 5798-DDP     |     | 95      |          |          |          | 12 GB21-2701 | 8100/DPPX                | 1 S H       |
| DTMS             | DTMS UTILITY                              | 5796-PNR     |     | 81      |          |          |          | 24 G320-6397 | DPPX DTMS                | 1 S H       |
| DUAL             | 2927 DUAL PRINTER UTILITY PROGRAM         | 5796-AFK     |     | 115     |          |          |          | 12 G320-8106 | 8K BPS TAPE              | 1 S H       |
| DUMP             | CICS/VS DUMP READING PROGRAM              | 5798-CJX     |     | 100     |          |          |          | 12 GB21-1874 | OS/V5                    | 1 S H       |
| DUMP             | CICS/VS FORMATTED TRANSACTION DUMP ONLINE | 5798-CQY     |     | 180     |          |          |          | 12 GB21-2156 | VS1,DOS/VS,CICS/VS       | 1 S H       |
| DUMP             | DATA BASE DUMP FOR DL/I                   | 5796-AJE     |     | 400     |          |          |          | 01 G320-8156 | DOS/VS DL/I              | 1 S H       |
| DUMP             | DIRECT ACCESS STORAGE DUMP RESTORE        | 5740-UT1     |     | 157     |          |          |          | GH20-9116    | OS/VS1,OS/VS2,OS/MFT     | 1 S C       |
| DUMP             | UNIVERSAL DUMP, ALTER, COPY, & SELECT     | 5796-BAF     |     | 50      |          |          |          | 12 G320-6405 | OS/VS                    | 1 S H       |
| >DURR-FILLAUER   | S/1 EDX RETAIL PHARMACY SYSTEM            | 5796-NZT     |     | 195     |          |          |          | 24 GB30-1421 | SERIES/1                 | 1 S H       |
| >DYATRON CORP    | S/23 PHYSICIAN MEDICAL SYS                | 5796-ZAM     |     | 6500    |          |          |          | 01 GB30-1752 | SYS/23 DATAMASTER        | 1 I H       |
| DYNAMIC          | 3760 DYNAMIC BTP GENERATOR SYSTEM         | 5796-ANF     |     | 65      |          |          |          | 12 G320-5724 | OS/VS1,SVS,MVS           | 1 S H       |
| >EARNED INCOME C | ADVANCE EARNED INCOME CREDIT I/F          | 5798-NYQ     |     | 575     |          |          |          | 01 GB30-1395 | SYSTEM/34                | 1 S H       |
| EARTH            | EARTH RESOURCES MANAGEMENT II             | 5799-ARX     |     | 2300    |          |          |          | 24 GB11-5007 | VS1                      | 1 S C       |
| >EASYWRITER      | EASYWRITER (R)                            | 6024-005     |     | 175     |          |          |          | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| ECONOMETRIC      | APL ECONOMETRIC PLANNING LANGUAGE         | 5796-PDW     |     | 224     |          |          |          | 12 G320-5535 | APL5V                    | 1 I H       |
| EDGAR            | DISPLAY EDITING SYSTEM FOR CMS - DES      | 5796-PJP     |     | 60      |          |          |          | G320-5762    | VM/CMS                   | 1 S E       |
| >EDIT            | S/1 DATA COLLEC EDIT & TRANSMIT           | 5798-RCX     | P   | 138     |          |          |          | 12 GB30-1552 | SERIES/1                 | 1 S H       |
| EDIT             | S/3 TO S/370 NUMERIC FIELD EDIT           | 5798-CZD     |     | 650     |          |          |          | 01 GB21-2423 | DOS/VS                   | 0 I H       |
| >EDIT ROUTINE    | 3694 DOCUMENT CTL SECTION EDIT            | 5798-RFL     |     | 100     |          |          |          | 12 GB30-1645 | SYSTEM/34                | 1 S H       |
| >EDIT/TRANSMIT   | S/1 DATA CAPTURE/INTER EDIT B/C           | 5798-RHP     |     | 150     |          |          |          | 12 GB30-1708 | SERIES/1                 | 1 S H       |
| EDITING          | DISPLAY EDITING SYSTEM FOR CMS - DES      | 5796-PJP     |     | 60      |          |          |          | G320-5762    | VM/CMS                   | 1 S E       |
| EDITING          | HEALTH CARE: PATIENT DATA EDITING         | 5796-AYR     |     | 210     |          |          |          | 12 G320-6344 | DOS/VS,OS/VS             | 1 S H       |
| >EDITING         | S/1 EDX FILE CREATION                     | 5798-RBL     | P   | 46      |          |          |          | 12 GB30-1496 | SERIES/1                 | 1 S H       |
| >EDITING         | S/1 TEXT ENTRY & EDIT FACILITY            | 5798-RAR     | P   | 276     |          |          |          | 12 GB30-1470 | SERIES/1                 | 1 S H       |
| EDITING          | 3890 ON-US EDITING                        | 5798-CLJ     |     | 204     |          |          |          | 12 GB21-1966 | OS/VS                    | 1 S H       |
| EDITING          | 3890 ON-US EDITING                        | 5798-DBL     |     | 210     |          |          |          | 12 GB21-2559 | DOS/VSE                  | 1 S H       |
| EDITOR           | APL FUNCTION EDITOR FOR VS APL            | 5796-PGY     |     | 98      |          |          |          | 12 G320-5689 | VSAPL                    | 1 S H       |
| EDITOR           | EXTENDED EDITOR AND FULL SCREEN MANAGER   | 5796-PLY     |     | 68      |          |          |          | G320-6168    | VSAPL WITH VM, TSD       | 1 S E       |
| EDITOR           | JOB CONTROL LANGUAGE EDITOR               | 5796-PDC     |     | 148     |          |          |          | 06 G320-1562 | OS/MFT,MVT,VS1,VS2       | 1 S H       |
| EDITOR           | OS/VS DATA-SET EDITOR                     | 5798-CXQ     |     | 100     |          |          |          | 12 GB21-2350 | OS/VS                    | 1 S H       |
| >EDITOR          | TEXT EDITOR                               | 5792-BFP     |     | 1150    |          |          |          | 01 GH30-0245 | SYSTEM/34                | 1 S E       |
| EDITOR           | VSPC FULL SCREEN EDITOR                   | 5798-CTG     |     | 240     |          |          |          | 12 GB21-2227 | DOS/VS,OS/VS,VS APL      | 1 S H       |
| EDITOR           | 3704/5 EP TRACE EDITOR PROGRAM            | 5798-CHZ     |     | 55      |          |          |          | 12 GB21-1822 | DOS/VS,OS/VS             | 1 I H       |
| EDS-SM           | TSD EXTENDED DISPLAY SESSION MANAGER      | 5740-XE2     |     | 278     |          |          |          | GC28-0911    | MVS/TSD                  | 1 S B       |
| EDUCATION        | DOSCHECK INSTALLED USER EDUCATION GUIDE   | 5796-002     |     | 1700    |          |          |          | 01 G320-6086 | DOCUMENTATION MATLS      | 0 S H       |
| EDUCATION        | EDUCATION INFORMATION SYSTEM - DATA BASE  | 5796-BAZ     |     | 488     |          |          |          | 24 G320-6424 | DOS/VSE DMS DL/I         | 1 S H       |

| KEYWORD      | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >EDUCATION   | EPIC: - SOCRATES EDUCATION               | 5735-E91     |     | 242     |          |          |          |    | GH20-1129    | SYSTEM/3                 | 1 I B       |
| >EDUCATION   | EPIC: - FAST EDUCATION TEST SCORING      | 5735-E92     |     | 104     |          |          |          |    | GH20-1131    | SYSTEM/3                 | 1 I C       |
| >EDUCATION   | EPIC: - BUDGET/FINANCE EDUCATION         | 5735-E93     |     | 152     |          |          |          |    | GH20-1132    | SYSTEM/3                 | 1 I B       |
| >EDUCATION   | EPIC: - STUDENT EDUCATION                | 5735-E94     |     | 87      |          |          |          |    | GH20-1130    | SYSTEM/3                 | 1 I C       |
| >EDUCATION   | ONLINE STUDENT REG. SYSTEM               | 5798-NMP     |     | 333     |          |          |          | 12 | GB30-1312    | SYSTEM/34                | 1 S H       |
| >EDUCATION   | STUDENT RECORD SYSTEM                    | 5796-AEN     |     | 204     |          |          |          |    | 12 G320-8078 | SYSTEM/3                 | 1 I H       |
| >EDUCATIONAL | CPCS INSTALLED USER EDUCATIONAL GUIDE    | 5796-001     |     | 2700    |          |          |          |    | 01 G320-5807 | DOCUMENTATION MATLS      | 0 S H       |
| >EDUCATIONAL | OPTICAL MARK READER SUPPORT              | 5798-NRC     |     | 575     |          |          |          |    | 01 GB30-1202 | 5120. SYSTEM             | 1 S H       |
| >EDX         | DATA COLLECT INTERACTIVE EDX             | 5799-TDE     | R   | 39      |          |          |          |    | GC34-1652    | SERIES/1                 | 1 S C       |
| >EDX         | EDX BASIC SUPERVISOR AND EMULATOR VER 3  | 5719-X53     | R   | 37      |          |          |          |    | GC34-1696    | SERIES/1                 | 1 S E       |
| >EDX         | EDX COBOL COMPILER & RESIDENT LIBRARY    | 5719-CB3     | R   | 90      |          |          |          |    | GL23-0012    | SERIES/1                 | 1 S C       |
| >EDX         | EDX COBOL TRANSIENT LIBRARY              | 5719-CB4     | R   | 8       |          |          |          |    | GL23-0013    | SERIES/1                 | 1 S C       |
| >EDX         | EDX COBOL COMPLIER & RESIDENT LIBR V 2   | 5719-CB5     | R   | 118     |          |          |          |    | GC34-0388    | SERIES/1                 | 1 S E       |
| >EDX         | EDX COBOL TRANSIENT LIBRARY VERSION 2    | 5719-CB6     | R   | 15      |          |          |          |    | GC34-0389    | SERIES/1                 | 1 S E       |
| >EDX         | EDX COMMUNICATIONS FACILITY              | 5719-CF1     | R   | 55      |          |          |          |    | GL23-0070    | SERIES/1                 | 1 S E       |
| >EDX         | EDX INDEXED ACCESS METHOD                | 5719-AM3     | R   | 22      |          |          |          |    | GC34-0345    | SERIES/1                 | 1 S C       |
| >EDX         | EDX INDEXED ACCESS METHOD VERSION 2      | 5719-AM4     | R   | 38      |          |          |          |    | GC34-0404    | SERIES/1                 | 1 S E       |
| >EDX         | EDX MACRO ASSEMBLER                      | 5719-ASA     | R   | 17      |          |          |          |    | GS34-0305    | SERIES/1                 | 1 S C       |
| >EDX         | EDX MATH & FUNCTIONAL SUBROUTINE LIBRARY | 5719-LM3     | R   | 10      |          |          |          |    | GC34-0137    | SERIES/1                 | 1 S C       |
| >EDX         | EDX MACRO LIBRARY VERSION 1              | 5719-LM5     | R   | 37      |          |          |          |    | GC34-0304    | SERIES/1                 | 1 S C       |
| >EDX         | EDX MACRO LIBRARY VERSION 2              | 5719-LM6     | R   | 49      |          |          |          |    | GC34-0356    | SERIES/1                 | 1 S E       |
| >EDX         | EDX MACRO LIBRARY VERSION 3              | 5719-LM7     | R   | 67      |          |          |          |    | GC34-1698    | SERIES/1                 | 1 S E       |
| >EDX         | EDX MACRO LIBRARY/HOST VERSION 1         | 5740-LM2     |     | 111     |          |          |          |    | GC34-0305    | SERIES/1                 | 1 S C       |
| >EDX         | EDX MACRO LIBRARY/HOST VERSION 2         | 5740-LM3     |     | 151     |          |          |          |    | GC34-0357    | SERIES/1                 | 1 S C       |
| >EDX         | EDX MACRO LIBRARY/HOST VERSION 3         | 5740-LM4     |     | 189     |          |          |          |    | GC34-1699    | SERIES/1                 | 1 S E       |
| >EDX         | EDX MULTIPLE TERMINAL MANAGER            | 5719-MS1     | R   | 20      |          |          |          |    | GC34-0346    | SERIES/1                 | 1 S C       |
| >EDX         | EDX MULTIPLE TERMINAL MANAGER VERSION 2  | 5719-MS2     | R   | 22      |          |          |          |    | GC34-0346    | SERIES/1                 | 1 S E       |
| >EDX         | EDX PROGRAM PREPARATION FACILITIES VER 1 | 5719-XX2     | R   | 20      |          |          |          |    | GC34-0303    | SERIES/1                 | 1 S C       |
| >EDX         | EDX PROGRAM PREPARATION FACILITIES VER 2 | 5719-XX3     | R   | 26      |          |          |          |    | GC34-0301    | SERIES/1                 | 1 S C       |
| >EDX         | EDX PROGRAM PREPARATION FACILITY VER 3   | 5719-XX4     | R   | 36      |          |          |          |    | GC34-1707    | SERIES/1                 | 1 S E       |
| >EDX         | EDX SORT/MERGE                           | 5719-SM2     | R   | 10      |          |          |          |    | GL23-0015    | SERIES/1                 | 1 S C       |
| >EDX         | EDX SUPERVISOR & EMULATOR VERSION 1      | 5719-X51     | R   | 21      |          |          |          |    | GC34-0301    | SERIES/1                 | 1 S C       |
| >EDX         | EDX SUPERVISOR & EMULATOR VERSION 2      | 5719-X52     | R   | 28      |          |          |          |    | GC34-0353    | SERIES/1                 | 1 S C       |
| >EDX         | EDX SYSTEM/370 CHANNEL ATTACHMENT        | 5719-CX1     | R   | 76      |          |          |          |    | SC34-1701    | SERIES/1                 | 1 S E       |
| >EDX         | EDX SYSTEM NETWORK ARCHITECT             | 5719-SX1     | R   | 51      |          |          |          |    | SC34-0402    | SERIES/1                 | 1 S E       |
| >EDX         | EDX SYSTEM NETWORK ARCHITECT             | RJE 5719-SX2 | R   | 25      |          |          |          |    | SC34-0402    | SERIES/1                 | 1 S E       |
| >EDX         | EDX UTILITIES VERSION 1                  | 5719-UT3     | R   | 15      |          |          |          |    | GC34-0302    | SERIES/1                 | 1 S C       |
| >EDX         | EDX UTILITY VERSION 2                    | 5719-UT4     | R   | 22      |          |          |          |    | GC34-0354    | SERIES/1                 | 1 S C       |
| >EDX         | EDX UTILITIES VERSION 3                  | 5719-UT5     | R   | 30      |          |          |          |    | GC34-1697    | SERIES/1                 | 1 S E       |
| >EDX         | EDX EVENT DRIVEN EXECUTIVE               | 5796-PGH     |     | 825     |          |          |          | 12 | G320-5677    | OS/HVT,MVS               | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >EDX             | EVENT DRIVEN EXEC MACRO LIBRARY          | 5798-NNB     | P   | 28      |          |          |          |            | GB30-1052 SERIES/1             | 1 S H       |
| >EDX             | EVENT DRIVEN EXEC UTILITIES              | 5798-NNC     | P   | 10      |          |          |          |            | GB30-1052 SERIES/1             | 1 S H       |
| >EDX             | EVENT DRIVEN EXEC SUPERVISOR             | 5798-NND     | P   | 13      |          |          |          |            | GB30-1052 SERIES/1             | 1 S H       |
| >EDX             | PL/I EDX COMPILER & RESIDENT LIBRARY     | 5719-PL5     | R   | 148     |          |          |          |            | GC34-0145 SERIES/1             | 1 S C       |
| >EDX             | PL/I EDX TRANSIENT LIBRARY               | 5719-PL6     | R   | 28      |          |          |          |            | GC34-0146 SERIES/1             | 1 S C       |
| >EDX             | S/1 EDX ENERGY CONSERVATION SYS          | 5798-RAB     | P   | 149     |          |          |          | 24         | GB30-1450 SERIES/1             | 1 S H       |
| >EDX             | S/1 EDX FILE CREATION                    | 5798-RBL     | P   | 46      |          |          |          |            | 12 GB30-1496 SERIES/1          | 1 S H       |
| >EDX             | S/1 GENL PURP AUTO EXEC (GPAX)           | 5798-RCZ     | P   | 250     |          |          |          | 24         | GB30-1565 SERIES/1             | 1 S H       |
| >EDX             | S/1 HOST PL/1 - EDX                      | 5798-NZK     |     | 960     |          |          |          |            | 24 GB30-1486 SERIES/1          | 1 S H       |
| >EDX             | S/1 PXS VER 3 DEVELOP SUPP               | 5796-REE     |     | 85      |          |          |          | 12         | GB30-1600 SERIES/1             | 1 S H       |
| >EDX             | S/1 PXS VER 3 OPNS/APPL SUPP             | 5796-REF     |     | 85      |          |          |          | 12         | GB30-1600 SERIES/1             | 1 S H       |
| >EDX             | 370 HOST COBOL FOR SERIES/1 EDX          | 5799-TEL     |     | 1435    |          |          |          | 24         | GC34-1720 SERIES/1             | 1 S E       |
| >EDX CF          | EDX COMMUNICATIONS FACILITY              | 5798-ZZC     | P   | 40      |          |          |          | 36         | GB30-1307 SERIES/1             | 1 S H       |
| >EDX CF          | S/1 EDX CF AIRLINE SUPPORT               | 5798-ZZE     | P   | 50      |          |          |          | 24         | GB30-1550 SERIES/1             | 1 S H       |
| >EDX CF II       | S/1 EDX CF II                            | 5798-RDT     | P   | 55      |          |          |          | 36         | GB30-1593 SERIES/1             | 1 S H       |
| >EDX CHAIN PHARM | S/1 EDX CHAIN PHARMACY SYS               | 5798-RGD     | P   | 2200    |          |          |          | 01         | GB30-1699 SERIES/1             | 1 S H       |
| >EDX COMMUNICATI | EDX COMMUNICATIONS FACILITY              | 5798-ZZC     | P   | 40      |          |          |          | 36         | GB30-1307 SERIES/1             | 1 S H       |
| >EDX LAB AUTOMAT | S/1 EDX LAB AUTOMATION                   | 5798-RHB     |     | 300     |          |          |          | 12         | GB30-1688 SERIES/1             | 1 S H       |
| >EDX PROGRAM PRE | EDX PROGRAM PREP FACILITY                | 5798-NRP     | P   | 14      |          |          |          |            | GB30-1212 SERIES/1             | 1 S H       |
| >EDX QUERY       | EVENT DRIVEN EXECUTIVE QUERY             | 5719-XR1     | R   | 22      |          |          |          |            | GC34-0457 SERIES/1             | 1 S E       |
| >EDX SUP/EMUL    | EDX BASIC SUPERV & EMULATOR-VER2         | 5798-NRR     | P   | 16      |          |          |          |            | GB30-1212 SERIES/1             | 1 S H       |
| >EDX SUPERMARKET | EDX SUPERMARKET ENERGY MANAGMNT          | 5798-NTH     | P   | 115     |          |          |          | 12         | GB30-1233 SERIES/1             | 1 S H       |
| >EDX UTIL        | EDX UTILITIES - VERSION 2                | 5798-NRQ     | P   | 12      |          |          |          |            | GB30-1212 SERIES/1             | 1 S H       |
| >EDX/CF          | EDX COMMUNICATIONS FACILITY              | 5719-CF1     | R   | 55      |          |          |          |            | GL23-0070 SERIES/1             | 1 S E       |
| >EFFECTIVELY     | USING ISO EFFECTIVELY II                 | 5798-DEX     |     | 995     |          |          |          | 01         | GB21-2818 IIS,IIPS             | 1 L H       |
| >ETC             | ADVANCE EARNED INCOME CREDIT I/F         | 5798-NVQ     |     | 575     |          |          |          | 01         | GB30-1395 SYSTEM/34            | 1 S H       |
| >ELECTRICAL      | S/34 CONSTR ESTIM SYS - ELEC             | 5796-NXH     |     | 1060    |          |          |          | 12         | GB30-1572 SYSTEM/34            | 1 S H       |
| >ELECTRICAL      | S/34 CONSTRUCTION EST-MGR EXTENS         | 5796-NYE     |     | 460     |          |          |          | 12         | GB30-1355 SYSTEM/34            | 1 S H       |
| ELECTRONIC       | ELECTRONIC PAYMENT SYSTEMS               | 5746-F12     |     | 1110    |          |          |          |            | GH20-1939 DOS/VS               | 2 I B       |
| >ELEMENT         | FINITE ELEMENT ANALYSIS                  | 5796-AZB     | T   | 1810    |          |          |          |            | G320-6439 MVS/TSD,VM/CMS       | 1 S E       |
| ELEMENTARY       | ELEMENTARY MATHEMATICS                   | 5796-APC     |     | 260     |          |          |          | 24         | G320-5804 IIS,IIPS (NOT IMS)   | 1 L H       |
| ELIAS-I          | ENTRY LEVEL INTERACTIVE APPLICATION SYST | 5746-XXV     |     | 188     | 141      | 13       | 21       |            | GH19-6218 DOS/VSE,CICS/VS,DL/I | 1 S K       |
| ELIAS-I/VM       | ENTRY LEVEL INTERACTIVE APPLICATION SYST | 5748-XXK     |     | 289     | 216      | 25       | 40       |            | GH19-6157 VM/CMS,CICS/VS,DL/I  | 1 S K       |
| >ELKE CORP       | S/34 EQUIP COSTING/MAINT                 | 5796-RBW     |     | 690     |          |          |          | 12         | GB30-1511 SYSTEM/34            | 1 I H       |
| ELT              | IMS/VS EMERGENCY LOG TERMINATOR          | 5796-ATN     |     | 75      |          |          |          |            | G320-6070 IMS/VS VIR2          | 1 I E       |
| EMERGENCY        | IMS/VS EMERGENCY LOG TERMINATOR          | 5796-ATN     |     | 75      |          |          |          |            | G320-6070 IMS/VS VIR2          | 1 I E       |
| EMPLOYMENT       | DPXC EMPLOYMENT SERVICE JOB BROWSE       | 5798-DCY     |     | 90      |          |          |          | 12         | GB21-2659 8100/DPXC            | 1 S H       |
| EMS              | ENERGY MANAGEMENT SYSTEM                 | 5740-U11     |     | 6765    |          |          |          | 60         | GH20-1496 OS/VS1               | 2 I B       |
| >EMULATION       | S/1 EDX CF II                            | 5798-RDT     | P   | 55      |          |          |          | 36         | GB30-1593 SERIES/1             | 1 S H       |
| >EMULATION       | S/1 3101/3275 DISP MGR SUBSYS            | 5798-ZZD     |     | 5750    |          |          |          | 01         | SERIES/1                       | 1 S H       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >EMULATION       | 3270 DEVICE EMULATION                    | 5726-EM1     |     | 182     | 136      |          |          |    | GC21-7749    | SYSTEM/34                | 1 S A       |
| >EMULATION       | 5280-3270 EMULATION                      | 5708-EM1     |     | 46      | 35       |          |          |    | GC34-0383    | 5280 DATA SYSTEM         | 1 S A       |
| EMULATOR         | DOS EMULATOR                             | 5744-AS1     |     |         |          |          |          |    | GC33-2017    | OS/VS                    | 0 S C       |
| >EMULATOR        | EDX BASIC SUPERVISOR AND EMULATOR VER 3  | 5719-XS3     | R   | 37      |          |          |          |    | GC34-1696    | SERIES/1                 | 1 S E       |
| >EMULATOR        | EDX BASIC SUPERV & EMULATOR-VER2         | 5798-NRR     | P   | 16      |          |          |          |    | GB30-1212    | SERIES/1                 | 1 S H       |
| >EMULATOR        | EDX SUPERVISOR & EMULATOR VERSION 1      | 5719-XS1     | R   | 21      |          |          |          |    | GC34-0301    | SERIES/1                 | 1 S C       |
| >EMULATOR        | EDX SUPERVISOR & EMULATOR VERSION 2      | 5719-XS2     | R   | 28      |          |          |          |    | GC34-0353    | SERIES/1                 | 1 S C       |
| EMULATOR         | EMULATOR FOR RCA 301                     | 5799-ADR     |     | 765     |          |          |          |    | GA24-3605    | DOS DOS/VS               | 0 S C       |
| EMULATOR         | EMULATOR FOR HONEYWELL 200               | 5799-ADT     |     | 708     |          |          |          |    | GA24-3604    | DOS DOS/VS               | 0 S C       |
| EMULATOR         | EP/VS - 3704 / 3705 EMULATOR SUPPORT     | 5747-AG1     |     |         |          |          |          |    | GC30-3008    | DOS/VS,DOS/VSE           | 0 S J       |
| EMULATOR         | OS/VS2 EMULATOR                          | 5744-AJ1     |     |         |          |          |          |    | GC27-6948    | OS/VS                    | 0 S C       |
| EMULATOR         | 1400 EMULATOR PROGRAMS                   | 5747-CC3     |     |         |          |          |          |    | GC33-5384    | DOS/VS                   | 0 S C       |
| EMULATOR         | 1401/1440/1460 INTEGRATED EMULATOR       | 5744-AH1     |     |         |          |          |          |    | GC33-2018    | OS/VS                    | 0 S C       |
| EMULATOR         | 1410 7010 INTEGRATED EMULATOR            | 5744-AG1     |     |         |          |          |          |    | GC33-2019    | OS/VS                    | 0 S C       |
| EMULATOR         | 231X EMULATOR ON FBA DEVICES             | 5747-SA1     |     |         |          |          |          |    |              | DOS/VSE                  | 0 S N       |
| EMULATOR         | 3704/5 EMULATOR SUPPORT PACKAGE          | 5744-AN1     |     |         |          |          |          |    | GC30-3002    | OS/VS,VM                 | 0 S J       |
| EMULATOR         | 7040/7074 EMULATOR                       | 5744-AK1     |     |         |          |          |          |    | GC27-6948    | OS/VS                    | 0 S C       |
| EMULATOR         | 7080 EMULATOR                            | 5744-AL1     |     |         |          |          |          |    | GC27-6952    | OS/VS                    | 0 S C       |
| EMULATOR         | 7090/7094 EMULATOR                       | 5744-AM1     |     |         |          |          |          |    | GC27-6983    | OS/VS                    | 0 S C       |
| ENABLING         | APPLICATION ENABLING FACILITY            | 5798-DBF     |     | 100     |          |          |          |    | GB21-2551    | VM/CMS                   | 1 S C       |
| ENCRYPT          | ACF/VTAM - ENCRYPT / DECRYPT FEATURE     | 5735-RC2/03  |     | 190     | 142      | 5        | 8        |    | GC38-0285    | 6010                     | 1 S K       |
| >ENCRYPT/DECRYPT | ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE    | 5662-280/02  |     | 190     | 142      | 5        | 8        |    | GC27-0608    | 6000                     | 1 S K       |
| >ENCRYPT/DECRYPT | ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE    | 5665-280/02  |     | 190     | 142      | 5        | 8        |    | GC27-0608    | 6000                     | 1 S K       |
| >ENERGY          | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U11     | R   | 164     |          |          |          | 48 | GC34-0063    | SERIES/1                 | 1 S C       |
| >ENERGY          | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U12/01  | R   | 236     |          |          |          | 48 | GH30-0094    | SERIES/1                 | 1 S C       |
| >ENERGY          | ENERGY 3 SPECIAL FEATURE (6000/1)        | 5719-U12/02  | R   | 66      |          |          |          | 48 | GH30-0094    | SERIES/1                 | 1 S C       |
| >ENERGY          | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U13     | R   | 325     |          |          |          | 48 | GH30-0500    | SERIES/1                 | 1 S C       |
| >ENERGY          | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U14/01  | R   | 116     |          |          |          | 48 | GH30-0094    | SERIES/1                 | 1 S C       |
| >ENERGY          | ENERGY SPECIAL FEATURE (6000/1)          | 5719-U14/02  | R   | 66      |          |          |          | 48 | GH30-0094    | SERIES/1                 | 1 S C       |
| >ENERGY          | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U15     | R   | 144     |          |          |          | 48 | GH30-0500    | SERIES/1                 | 1 S C       |
| ENERGY           | ENERGY MANAGEMENT SYSTEM                 | 5740-U11     |     | 6765    |          |          |          | 60 | GH20-1496    | OS/VS1                   | 2 I B       |
| >ENERGY CONSERV  | S/1 EDX ENERGY CONSERVATION SYS          | 5798-RAB     | P   | 149     |          |          |          | 24 | GB30-1450    | SERIES/1                 | 1 S H       |
| >ENERGY MANAGEME | EDX SUPERMARKET ENERGY MANAGEMNT         | 5798-NTH     |     | 115     |          |          |          | 12 | GB30-1233    | SERIES/1                 | 1 S H       |
| >ENERGY MANAGEME | FACILITIES CONTROL MULTIPLEXER           | 5798-NWB     |     | 138     |          |          |          | 12 | GB30-1275    | SERIES/1                 | 1 S H       |
| >ENERGY MANAGEME | S/1 EDX ENERGY CONSERVATION SYS          | 5798-RAB     | P   | 149     |          |          |          | 24 | GB30-1450    | SERIES/1                 | 1 S H       |
| >ENERGY MANAGEME | S/1 GENL PURP AUTO EXEC (GPAX)           | 5798-RCZ     | P   | 250     |          |          |          | 24 | GB30-1565    | SERIES/1                 | 1 S H       |
| >ENERGY MGMENT   | SUPERMARKET ENERGY MANAGEMENT            | 5796-NQC     | P   | 90      |          |          |          | 12 | GB30-1132    | SERIES/1                 | 1 S H       |
| >ENFORCEMENT     | LAW ENFORCEMENT CRIME REPORTS            | 5701-G21     |     | 100     |          |          |          |    | GH20-0891    | SYSTEM/3                 | 1 I C       |
| >ENGINEERING     | COMPUTER AIDED ENGINEERING DESIGN SYSTEM | 5796-BBZ     | T   | 865     |          |          |          |    | G320-6439    | MVS/TSD,VM/CMS           | 1 S E       |
| >ENGINEERING     | IPICS ENG/PROD DATA CTL VER II           | 5798-NLH     |     | 172     |          |          |          | 24 | GB30-1024    | SYSTEM/3                 | 1 I H       |

KEYWORDS - ALPHABETIC SEQUENCE

1-060

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MD   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| ENGLISH          | ENGLISH COMMUNICATIONS SKILLS II         | 5796-BBT     |     | 385     |          |          |          | 12 G320-6433 | IIS,IIPS                 | 1 L H       |
| ENGR             | MAINT ENGR: PROBLEM CORRECTION REPORTING | 5796-ARP     |     | 2780    |          |          |          | 24 G320-6055 | OS/VS2                   | 1 S H       |
| ENGR             | MAINT ENGR: CATALOG INQUIRY PARTS ORDERS | 5796-ARQ     |     | 870     |          |          |          | 24 G320-6055 | OS/VS2                   | 1 S H       |
| ENGR             | MAINT ENGR: COMPONENT MAINTENANCE        | 5796-ARR     |     | 1375    |          |          |          | 24 G320-6055 | OS/VS2                   | 1 S H       |
| ENGR             | MAINT ENGR: TIME ON PARTS / FORECASTING  | 5796-ARW     |     | 1225    |          |          |          | 24 G320-6055 | OS/VS2                   | 1 S H       |
| ENGR             | MAINT ENGR: RELIABILITY                  | 5796-ARX     |     | 505     |          |          |          | 24 G320-6055 | OS/VS2                   | 1 S H       |
| ENHANCED         | ENHANCED NETWORK PROCESSOR FEATURE       | 5734-XP4/04  |     | 132     |          |          |          | GH20-0855    | 6088-6090                | 0 I B       |
| ENHANCED         | LABORATORY DATA MANAGEMENT ENHANCED      | 5796-APB     |     | 1200    |          |          |          | 12 G320-8134 |                          | 1 S H       |
| ENHANCED         | TSS ENHANCED SUPPORT II                  | 5799-AYX     |     | 3750    |          |          |          |              | TSS/370,5799-AXA         | 1 S E       |
| >ENHANCED        | TSS/370 ENHANCED SUPPORT III             | 5799-BGA     |     | 9000    |          |          |          |              | TSS/370                  | 1 S E       |
| >ENHANCEMENTS    | ENHANCEMENTS TO PUB BUDG/FIN REP         | 5798-NKF     |     | 81      |          |          |          | 12 GB30-0956 | SYSTEM/3                 | 1 S H       |
| >ENTERPRISE COMP | 5110 HOME BLDRS MGMT SYS                 | 5796-ZAB     |     | 6900    |          |          |          | 01 GB30-1521 | 5120 SYSTEM              | 1 S H       |
| ENTRY            | ACF VTAM ENTRY                           | 5746-RC7     |     | 131     | 98       | 61       | 98       | GC27-0438    | DOS/VSE,4331             | 2 S K       |
| >ENTRY           | BILLING INVOICING ORDER ENTRY            | 5725-D41     |     | 98      |          |          |          | GH30-0093    | SYSTEM/32                | 1 I D       |
| >ENTRY           | DATA ENTRY AND FILE MAINT MOD 8/10 DISK  | 5702-XX1     |     | 171     |          |          |          | SC21-5102    | SYSTEM/3                 | 1 S C       |
| ENTRY            | DATA ENTRY FOR VISA & MASTER-CHARGE      | 5798-C2N     |     | 600     |          |          |          | 12 GB21-2472 | 8100/DPCX 3790           | 1 S H       |
| ENTRY            | DATA LANGUAGE / I ENTRY                  | 5746-XX7     |     | 372     | 279      | 22       | 35       | GH12-5115    | DOS/VSE                  | 2 S K       |
| ENTRY            | DOS/VSE REMOTE JOB ENTRY WORKSTATION     | 5746-RC9     |     | 103     |          |          |          | GH20-2199    | VSE TO VM/CMS,OS/VSE     | 1 S B       |
| ENTRY            | DOS/VSE REMOTE JOB ENTRY WORKSTATION RJE | 5799-WHX     |     |         |          |          |          | GH20-1574    | DOS/VSE                  | 0 S C       |
| ENTRY            | DPPX REMOTE JOB ENTRY WORKSTATION        | 5760-XC1     |     | 32      | 24       | 16       | 26       | GC30-3053    | DPPX TO OS,VSE,VM        | 1 S K       |
| ENTRY            | ENTRY LEVEL INTERACTIVE APPLICATION SYST | 5746-XXV     |     | 188     | 141      | 13       | 21       | GH19-6218    | DOS/VSE,CICS/VSE,DL/I    | 1 S K       |
| ENTRY            | ENTRY LEVEL INTERACTIVE APPLICATION SYST | 5748-XXK     |     | 289     | 216      | 25       | 40       | GH19-6157    | VM/CMS,CICS/VSE,DL/I     | 1 S K       |
| ENTRY            | HOST REMOTE NODE ENTRY SYSTEM            | 5796-PJY/01  |     | 120     |          |          |          | 24 G320-5813 | OS/VS1                   | 1 S H       |
| ENTRY            | HOST REMOTE NODE ENTRY SYSTEM SUPPORT    | 5796-PJY/02  |     | 525     |          |          |          | 01 G320-5813 | 9583-9584                | 0 S H       |
| >ENTRY           | HOST REMOTE NODE ENTRY SYSTEM II         | 5796-PPI     |     | 120     |          |          |          | G320-6647    | OS/VS1                   | 1 S E       |
| ENTRY            | JOB ENTRY PROGRAM                        | 5746-XE6     |     | 194     | 145      | 28       | 45       | GH12-5129    | DOS/VSE                  | 1 S K       |
| ENTRY            | LIFE INQUIRY / DATA ENTRY                | 5746-N11     |     | 924     |          |          |          | GH20-1499    | CICS/DOS/OS/VSE/IMS      | 1 I C       |
| ENTRY            | NETWORK JOB ENTRY FOR JES2               | 5740-XR8     |     | 693     | 519      | 72       | 115      | GC23-0010    | MVS                      | 1 S K       |
| ENTRY            | ONLINE PANELS ENTRY LIBRARY SYSTEM       | 5798-CET     |     | 150     |          |          |          | 12 GB21-1641 | CICS CICS/VSE MTCS       | 1 I H       |
| >ENTRY           | ORDER ENTRY AND INVOICING DE&I           | 5714-M49     |     | 91      | 68       |          |          | GH30-0708    | SYSTEM/38                | 1 I D       |
| >ENTRY           | ORDER ENTRY AND INVOICING BILLING        | 5725-M39     |     | 77      |          |          |          | GH30-0038    | SYSTEM/32                | 1 I C       |
| >ENTRY           | ORDER ENTRY AND INVOICING MFG            | 5726-M39     |     | 77      |          |          |          | GH30-0220    | SYSTEM/34                | 1 I C       |
| >ENTRY           | ORDER ENTRY AND INVOICING MFG            | 5726-M49     |     | 104     | 78       |          |          | GH30-0221    | SYSTEM/34                | 1 I D       |
| >ENTRY           | ORDER ENTRY USING DPPX/DMS               | 5798-DEZ     |     | 175     |          |          |          | 24 GB21-2794 | DPPX/DMS,DPPX/DTMS       | 1 S H       |
| >ENTRY           | REMOTE JOB ENTRY FACILITY                | 5714-RC1     |     | 135     |          |          |          | GC21-7915    | SYSTEM/38                | 1 S A       |
| >ENTRY           | REMOTE JOB ENTRY RPS RJE                 | 5799-TBK     | R   | 38      |          |          |          | GC34-1599    | SERIES/1                 | 1 S C       |
| >ENTRY           | SYSTEM/32 REMOTE JOB ENTRY RJE           | 5799-WKJ     |     |         |          |          |          | GC21-7653    | SYSTEM/32                | 1 S B       |
| ENTRY            | VISUAL DATA ENTRY ONLINE SYSTEM/370      | 5734-RC5/01  |     | 270     |          |          |          | GC28-8313    | OS/MFT/MVT/VSE           | 1 S C       |
| ENTRY            | VISUAL DATA ENTRY ONLINE SYSTEM/370      | 5736-RC3/01  |     | 187     | 139      | 75       | 120      | GC28-8313    | DOS,DOS/VSE              | 1 S C       |
| ENTRY            | VSE/POWER REMOTE JOB ENTRY               | 5746-XE3/02  |     | 89      | 66       | 18       | 29       | GH12-5131    | 6067-6071                | 1 S K       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #     | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|------------------------------|-------------|
| ENTRY            | 3600 DATA ENTRY                          | 5798-CLA     |     | 40      |          |          |          | 12         | GB21-1939 DOS/V5,OS/V5       | 1 S H       |
| ENTRY            | 3790 DATA ENTRY FOR MERCHANT SALES DRAFT | 5798-CZL     |     | 625     |          |          |          | 12         | GB21-2453 DOS/V5,OS/V5       | 1 S H       |
| ENTRY            | 8100/DPCX 3790 DISTRIBUTED ENTRY QUERY   | 5798-CZE/01  |     | 190     |          |          |          | 12         | GB21-2431 DOS/V5E OS/V5 DOSF | 1 S H       |
| >ENTRY SYSTEM    | INTELLIGENT DATE ENTRY SYSTEM            | 5798-NPY     | P   | 63      |          |          |          | 12         | GB30-1134 SERIES/1           | 1 S H       |
| ENVIRONMENT      | PHARMACY APPLICATION STORE ENVIRONMENT   | 5735-H11     |     | 48      |          |          |          |            | GH20-2189 DOS/V5E,OS/V5      | 1 S A       |
| ENVIRONMENT      | 3650 POINT OF SALE RETAIL ENVIRONMENT    | 5748-D14     |     | 84      |          |          |          | 48         | GC30-3056 DOS/V5,OS/V5       | 1 S A       |
| ENVIRONMENT      | 3650 SUPERMARKET ENVIRONMENT             | 5748-D21     |     | 55      |          |          |          | 48         | GC30-3055 3650               | 1 S A       |
| ENVIROTECH       | ENVIROTECH DOS TO OS CONVERSION AID      | 5796-AFZ     |     | 3665    |          |          |          | 01         | G320-8124 OS OS/V5           | 1 I H       |
| EP               | SWIFT BSC EP SUPPORT                     | 5799-AQT     |     | 86      |          |          |          |            | SC19-5017 TCAM               | 1 S A       |
| EP               | 3704/5 EP TRACE EDITOR PROGRAM           | 5798-CHZ     |     | 55      |          |          |          | 12         | GB21-1822 DOS/V5,OS/V5       | 1 I H       |
| EP/V5            | EP/V5 - 3704 / 3705 EMULATOR SUPPORT     | 5747-AG1     |     |         |          |          |          |            | GC30-3008 DOS/V5,DOS/V5E     | 0 S J       |
| EP/V5            | NETWORK CONTROL PROGRAM EP/V5 FEATURE    | 5747-CH1/02  |     |         |          |          |          |            | GC30-9531 6004               | 0 S J       |
| EP/V5            | 3704/5 EMULATOR SUPPORT PACKAGE          | 5744-AN1     |     |         |          |          |          |            | GC30-3002 OS/V5,VM           | 0 S J       |
| >EPA             | S/1 AIR QUALITY MONITORING SYS           | 5798-RDQ     |     | 560     |          |          |          | 12         | GB30-1591 SERIES/1           | 1 S H       |
| EPIC             | EPIC BUDGET / FINANCE                    | 5735-E93     |     | 133     |          |          |          |            | GH20-1132 DOS/OS             | 1 I C       |
| EPIC             | EPIC FAST                                | 5735-E92     |     | 104     |          |          |          |            | GH20-1131 DOS/OS             | 1 I C       |
| EPIC             | EPIC SOCRATES                            | 5735-E91     |     | 211     |          |          |          |            | GH20-1129 DOS/OS             | 1 I C       |
| >EPIC            | EPIC: - SOCRATES EDUCATION               | 5735-E91     |     | 242     |          |          |          |            | GH20-1129 SYSTEM/3           | 1 I B       |
| >EPIC            | EPIC: - FAST EDUCATION TEST SCORING      | 5735-E92     |     | 104     |          |          |          |            | GH20-1131 SYSTEM/3           | 1 I C       |
| >EPIC            | EPIC: - BUDGET/FINANCE EDUCATION         | 5735-E93     |     | 152     |          |          |          |            | GH20-1132 SYSTEM/3           | 1 I B       |
| >EPIC            | EPIC: - STUDENT EDUCATION                | 5735-E94     |     | 87      |          |          |          |            | GH20-1130 SYSTEM/3           | 1 I C       |
| EPIC             | EPIC: SOCRATES ONLINE MAINT SYSTEM       | 5796-AQW     |     | 220     |          |          |          | 12         | G320-5814 DOS/V5,CICS/V5     | 1 S H       |
| EPLAN            | APL ECONOMETRIC PLANNING LANGUAGE        | 5796-PDW     |     | 224     |          |          |          | 12         | G320-5535 APLSV              | 1 I H       |
| EPSS             | CHECK REPORTS                            | 5748-F13     |     | 402     |          |          |          |            | GH20-2136 OS/V5,DOS/V5       | 1 I B       |
| >EQUIP DEALERS   | S/34 DEALER PARTS INVTY                  | 5798-RBG     |     | 287     |          |          |          | 24         | GB30-1498 SYSTEM/34          | 1 S H       |
| >EQUIP. DEALERS  | DLR PARTS INVTY COMMUNIC SYSTEM          | 5798-NYB     |     | 132     |          |          |          | 12         | GB30-1346 SYSTEM/34          | 1 S H       |
| EQUIPMENT        | FERST/V5 EQUIPMENT CONTROL               | 5795-AAH     |     | 1775    |          |          |          |            | GH20-4384 OS/V51             | 1 I C       |
| EQUIPMENT        | FERST/V5 EQUIPMENT CONTROL               | 5795-AAJ     |     | 1775    |          |          |          |            | GH20-4384 DOS/V5             | 1 I C       |
| EQUIPMENT        | FREIGHT & EQUIPMENT REPORTING SYS        | 5795-AAF     |     | 634     |          |          |          |            | GH20-4384 OS/V51             | 1 I C       |
| EQUIPMENT        | FREIGHT & EQUIPMENT REPORTING SYS        | 5795-AAG     |     | 525     |          |          |          |            | GH20-4384 DOS/V5             | 1 I C       |
| EQUIPMENT        | PLANT MAINTENANCE EQUIPMENT MANAGEMENT   | 5787-NAD     |     | 1100    |          |          |          | 12         | G320-6401 DOS/V5E CICS DL/I  | 1 S H       |
| >EQUIPMENT DEALE | HVY EQUIP DLR PARTS OE/INV STAT          | 5796-NWZ     |     | 575     |          |          |          | 12         | GB30-1322 SERIES/1           | 1 S H       |
| >EQUIPMENT MGMT  | S/34 EQUIP COSTING/MAINT                 | 5796-RBW     |     | 690     |          |          |          | 12         | GB30-1511 SYSTEM/34          | 1 I H       |
| >EQU5/3          | EXTENDED QUERY UTILITY-EQU5/3            | 5798-NKX     |     | 86      |          |          |          | 12         | GB30-0981 SYSTEM/3           | 1 S H       |
| >EQU5/32         | EXTENDED QUERY UTILITY - EQU5/32         | 5798-NKK     |     | 86      |          |          |          | 12         | GB30-0983 SYSTEM/32          | 1 S H       |
| ERROR            | NETWORK ERROR MANAGEMENT FACILITY        | 5798-DAW     |     | 112     |          |          |          |            | GB21-2527 CICS/V5            | 1 S E       |
| ERROR            | NETWORK ERROR MANAGEMENT FACILITY - IMS  | 5798-DBN     |     | 185     |          |          |          |            | GB21-2566 OS/V5              | 1 S E       |
| >ERROR           | SYSTEM ERROR MANAGEMENT FACILITY         | 5798-DGD     |     | 55      |          |          |          |            | GB21-2834 DOS/V5E,CICS/V5    | 1 S E       |
| >ERROR           | SYSTEM ERROR MANAGEMENT FACILITY         | 5798-DGE     |     | 65      |          |          |          |            | GB21-2836 OS/V5,CICS/V5      | 1 S E       |
| >ERROR           | SYSTEM ERROR MANAGEMENT FACILITY         | 5798-DGF     | P   | 140     |          |          |          |            | GB21-2838 IMS/V5             | 1 S E       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER       | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T                  | I         | S |   |
|------------------|--|-------------|---|------|------|------|------|---------|-------------|--------------------|-----------|---|---|
|                  |  | NUMBER      | C | FEE  | FEE  | FEE  | FEE  | MO      | INFO        | OR                 | FEATURE # | P | L |
| ESTIMATES        | DOS DATA BASE GUIDE & SPACE ESTIMATES    | 5798-DFJ    |   | 35   |      |      |      | 12      | GB21-2798   | DOS/VS,DOS/VSE     | 1         | S | H |
| >ESTIMATING      | CONSTRUCTION ESTIMATING & BID            | 5796-NPQ    |   | 172  |      |      |      | 12      | GB30-1146   | SYSTEM/32          | 1         | S | H |
| >ESTIMATING      | CONTR/SUBCONTR ESTIMATING                | 5798-AJA    |   | 144  |      |      |      | 12      | GB21-0514   | SYSTEM/3           | 1         | I | H |
| >ESTIMATING      | S/34 CONSTRUCTION EST - CONTROL          | 5796-NXE    |   | 391  |      |      |      | 12      | GB30-1355   | SYSTEM/34          | 1         | S | H |
| >ESTIMATING      | S/34 CONSTRUCTION EST - GEN CONT         | 5796-NXF    |   | 517  |      |      |      | 12      | GB30-1355   | SYSTEM/34          | 1         | S | H |
| >ESTIMATING      | S/34 CONSTRUCTION EST-MGR EXTENS         | 5796-NVE    |   | 460  |      |      |      | 12      | GB30-1355   | SYSTEM/34          | 1         | S | H |
| >ESTIMATING      | 5110/5120 BLDG/REMOD ESTIM SYS           | 5793-AAB    |   | 5520 |      |      |      | 01      | GB30-1520   | 5120 SYSTEM        | 1         | S | H |
| >ESTIMATING COST | S/23 ESTIM & COST TRACKING SYS           | 5793-AAC    |   | 2995 |      |      |      | 01      | GB30-1758   | SYS/23 DATAMASTER  | 1         | I | H |
| ETSS             | TERMINAL CONTROL FOR ETSS                | 5798-CGC    |   | 85   |      |      |      | 12      | GB21-1683   | DOS/VS             | 1         | S | H |
| ETSS/II          | ETSS/II PROGRAMMING AID                  | 5798-CVY    |   | 65   |      |      |      | 12      | GB21-2408   | DOS/VS,DOS/VSE     | 1         | I | H |
| ETSS/II          | ETSS/II LIBRARY INTERFACE TO POWER/VS    | 5798-CYZ    |   | 75   |      |      |      | 12      | GB21-2411   | DOS/VS             | 1         | S | H |
| ETSS/II          | TERMINAL CONTROL PROGRAM FOR ETSS/II     | 5798-CRX    |   | 85   |      |      |      |         | GB21-2211   | DOS/VS, 5798-CLR   | 1         | S | E |
| >EVAL            | CONVERSATIONAL PROJECT EVAL & CONTROL    | 5740-XC3/01 |   | 710  |      |      |      |         | GH19-1150   | OS/VS,VM/CMS       | 2         | S | B |
| >EVAL            | CONVERSATIONAL PROJECT EVAL & CONTROL    | 5746-XC3/01 |   | 604  |      |      |      |         | GH19-1150   | DOS/VSE            | 2         | S | B |
| >EVAL            | INV MGMT PROD REP & ORD VAL EVAL IMPROVE | 5714-D46    |   | 226  | 169  |      |      |         | GH30-0080   | SYSTEM/38          | 1         | I | D |
| EVALUATION       | A RESPONSE EVALUATION SYSTEM             | 5796-ANZ    |   | 120  |      |      |      | 12      | GB21-9864   | IIS,IIPS           | 1         | S | H |
| EVALUATION       | COST EVALUATION PROCESSOR FEATURE        | 5740-XP1/03 |   | 72   |      |      |      |         | GH19-1055   | 6006-6008          | 1         | I | B |
| EVALUATION       | COST EVALUATION PROCESSOR FEATURE        | 5746-XP1/03 |   | 72   |      |      |      |         | GH19-1055   | 6009-6013,6045     | 1         | I | B |
| EVALUATION       | PLANNING CONTROL & DECISION EVALUATION   | 5740-XX8    |   | 764  |      |      |      |         | GH19-1103   | CICS/IMS VM TSO    | 2         | S | B |
| EVALUATION       | PLANNING CONTROL & DECISION EVALUATION   | 5740-XX9    |   | 625  |      |      |      |         | GH19-1103   | OS/VS              | 2         | I | B |
| EVALUATION       | PLANNING CONTROL & DECISION EVALUATION   | 5746-XXA    |   | 625  |      |      |      |         | GH19-1103   | DOS/VS             | 2         | I | B |
| EVALUATION       | PLANNING CONTROL & DECISION EVALUATION   | 5746-XX9    |   | 764  |      |      |      |         | GH19-1103   | CICS/DOS/VS        | 2         | S | B |
| EVALUATION       | PROJECT EVALUATION AND CONTROL SYSTEM    | 5785-EAE    |   | 325  |      |      |      | 24      | G320-6088   | VS-APL (5748-AP1)  | 1         | S | H |
| EVENT            | CICS/VS AUTOMATED EVENT CONTROL          | 5798-DBQ    |   | 55   |      |      |      | 12      | GB21-2561   | CICS/VS            | 1         | S | H |
| >EVENT           | EVENT DRIVEN EXECUTIVE QUERY             | 5719-XR1    | R | 22   |      |      |      |         | GC34-0457   | SERIES/1           | 1         | S | E |
| EVENT            | EVENT DRIVEN EXECUTIVE                   | 5796-PGH    |   | 825  |      |      |      | 12      | G320-5677   | OS/MVT,MVS         | 1         | S | H |
| >EVENT DRIVEN EX | S/1 EDX FILE CREATION                    | 5798-RBL    | P | 46   |      |      |      | 12      | GB30-1496   | SERIES/1           | 1         | S | H |
| >EVENT DRIVEN EX | S/1 EDX CF AIRLINE SUPPORT               | 5798-ZZE    | P | 50   |      |      |      | 24      | GB30-1550   | SERIES/1           | 1         | S | H |
| >EVENT DRIVEN MA | EVENT DRIVEN EXEC MACRO LIBRARY          | 5798-NMB    | P | 28   |      |      |      |         | GB30-1052   | SERIES/1           | 1         | S | H |
| >EVENT DRIVEN SU | EVENT DRIVEN EXEC SUPERVISOR             | 5798-NND    | P | 13   |      |      |      |         | GB30-1052   | SERIES/1           | 1         | S | H |
| >EVENT DRIVEN UT | EVENT DRIVEN EXEC UTILITIES              | 5798-NNC    | P | 10   |      |      |      |         | GB30-1052   | SERIES/1           | 1         | S | H |
| EXAMPLE          | QUERY BY EXAMPLE                         | 5796-PKT    |   | 373  |      |      |      |         | G320-6062   | VM/CMS             | 1         | S | E |
| EXEC             | CMS EXEC ENHANCEMENTS                    | 5796-PJA    |   | 140  |      |      |      | 12      | G320-5728   | VM/CMS             | 1         | I | H |
| >EXEC            | UTILITIES SUBSET WSU EXEC SORT DFU       | 5726-UT2    |   | 660  |      |      |      | 01      | GC21-9033   | SYSTEM/34          | 1         | S | A |
| >EXECU           | PROG COMM SUBSYS EXTEND EXECU SUPPORT    | 5719-CS2    | R | 25   |      |      |      |         | GC34-0186   | SERIES/1           | 1         | S | C |
| EXECUTION        | DMS / DPPX EXECUTION FACILITY            | 5660-265    |   | 16   | 12   | 12   | 19   |         | GH20-2438   | DPPX/BASE          | 1         | S | K |
| >EXECUTION       | PATIENT CARE: APPLICATION EXECUTION      | 5796-BCE    |   | 500  |      |      |      |         | G320-6651   | OS/VS,DOS/VSE,DL/I | 1         | S | E |
| >EXECUTION       | PROG COMM SUBSYSTEM EXECUTION SUPPORT    | 5719-CS1    | R | 8    |      |      |      |         | GC34-0186   | SERIES/1           | 1         | S | C |
| EXECUTION        | 3640 PRESENTATION SERVICES EXECUTION MGR | 5660-267/01 |   | 61   | 45   | 16   | 26   |         | GC31-0010   | DPPX/BASE          | 1         | S | K |
| EXECUTIVE        | CHECK PROCESSING EXECUTIVE / 3694        | 5748-F53    |   | 52   |      |      |      |         | GH20-2444   | 5748-F54           | 1         | S | B |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >EXECUTIVE       | CHECK PROCESSING EXECUTIVE (CHX/3694)    | 5748-F53     |     | 45      |          |          |          |            | GH20-2444 36/4700              | 1 S B       |
| EXECUTIVE        | CHECK PROCESSING EXECUTIVE / VS          | 5748-F54     |     | 276     |          |          |          |            | GH20-2444 OS/VS, DOS/VSE VTAM  | 1 S B       |
| >EXECUTIVE       | DISTRIBUTED SYSTEMS EXECUTIVE VER 2      | 5668-986     | P   | 380     | 285      | 41       | 65       |            | GH19-6229 OS/VS, DOS/VSE       | 1 S K       |
| EXECUTIVE        | DISTRIBUTED SYSTEMS EXECUTIVE VER 1      | 5748-XG      |     | 220     | 165      | 41       | 65       |            | GH20-2149 OS/VS, DOS/VSE       | 1 S K       |
| >EXECUTIVE       | EVENT DRIVEN EXECUTIVE QUERY             | 5719-XR1     | R   | 22      |          |          |          |            | GC34-0457 SERIES/1             | 1 S E       |
| EXECUTIVE        | EVENT DRIVEN EXECUTIVE                   | 5796-PGH     |     | 825     |          |          |          | 12         | G320-5677 OS/MVT, MVS          | 1 S H       |
| EXECUTIVE        | 3279 EXECUTIVE PRESENTATION SYSTEM       | 5798-DEB     |     | 345     |          |          |          | 12         | GB21-2725 VM, TSO + GDDM       | 1 S H       |
| >EXECUTIVE/VSE   | SMALL SYSTEM EXECUTIVE/VSE               | 5666-265     | R   | 1000    | 750      | 90       | 144      |            | GC33-6143                      | 2 S K       |
| >EXPANDABLE SKEL | SERIES/1 ESS/I WITH HOOKS                | 5796-RBB     | P   | 345     |          |          |          | 12         | GB30-1474 SERIES/1             | 1 S H       |
| EXPANSION        | DATA COMPRESSION / EXPANSION             | 5798-ATB     |     | 97      |          |          |          | 01         | GB21-0938 DOS/OS               | 0 S H       |
| EXPANSIONS       | 3694 APPLICATION MACRO EXPANSIONS        | 5748-F56     |     | 75      | 56       | 16       | 26       |            | GC31-0012 OS/VS, DOS/VSE       | 1 S K       |
| >EXPENSE REPORT  | 5120 JOB SHOP SYS - G/L                  | 5796-RCF     |     | 132     |          |          |          | 12         | GB30-1523 5120 SYSTEM          | 1 S H       |
| >EXPERIMENTAL    | S/1 EDX LAB AUTOMATION                   | 5798-RHB     |     | 300     |          |          |          | 12         | GB30-1688 SERIES/1             | 1 S H       |
| EXPRESS          | DATA BASE EXTRACTING AND RESTRUCTURING   | 5796-PLH     |     | 462     |          |          |          |            | G320-6160 IMS/VS PL/I          | 1 S E       |
| >EXTEND          | PROG COMM SUBSYS EXTEND EXECU SUPPORT    | 5719-CS2     | R   | 25      |          |          |          |            | GC34-0186 SERIES/1             | 1 S C       |
| >EXTENDED QUERY  | EXTENDED QUERY UTILITY - EQU3/32         | 5798-NKM     |     | 86      |          |          |          | 12         | GB30-0983 SYSTEM/32            | 1 S H       |
| >EXTENDED QUERY  | EXTENDED QUERY UTILITY-EQU3/3            | 5798-NKX     |     | 86      |          |          |          | 12         | GB30-0981 SYSTEM/3             | 1 S H       |
| >EXTENDED TIMER  | EXTENDED TIMER SUPPORT                   | 5798-NER     |     | 46      |          |          |          | 06         | GB30-0787 SYSTEM/30            | 0 S H       |
| EXTENDING        | EXTENDING SEQUENTIAL DISK FILES          | 5798-CBN     |     | 64      |          |          |          | 12         | GB21-1456 DOS/VS               | 1 I H       |
| >EXTENSION       | CPS EXTENSION I                          | 5799-TAL     | R   | 2       |          |          |          | 24         | SC34-1552 SERIES/1             | 1 S C       |
| >EXTENSION       | CPS EXTENSION II                         | 5799-TAQ     | R   | 2       |          |          |          | 24         | SC34-1559 SERIES/1             | 1 S C       |
| EXTENSION        | NETWORK EXTENSION FACILITY               | 5799-AZP     |     | 506     |          |          |          |            | GH20-5289 ACF/NCP/VS           | 1 S E       |
| EXTM             | EXTENDED TELECOMMUNICATIONS MODULE       | 5746-XXB     |     | 250     |          |          |          |            | GH20-1702 CICS/DOS/VS          | 2 S C       |
| >EXTRACT         | DOS VIDEO/370 REVERSE EXTRACT II         | 5798-DHD     | P   | 75      |          |          |          | 12         | GB21-2893 DOS/VSE              | 1 S H       |
| EXTRACT          | VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY | 5798-CJG     |     | 140     |          |          |          | 12         | GB21-1843 DOS/VS VIDEO/370     | 1 S H       |
| EXTRACT          | VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY | 5798-CJP     |     | 140     |          |          |          | 12         | GB21-1843 OS/VS VIDEO/370      | 1 S H       |
| >EXTRACT/COMMUNI | S/34 FILE EXTRACT/COMMUNICATION          | 5798-RBD     |     | 75      |          |          |          | 06         | GB30-1576 SYSTEM/34            | 1 S H       |
| EXTRACTING       | DATA BASE EXTRACTING AND RESTRUCTURING   | 5796-PLH     |     | 462     |          |          |          |            | G320-6160 IMS/VS PL/I          | 1 S E       |
| >F/A CONTROL     | FIXED ASSET ACCTG & CONTR SYS            | 5798-NQF     |     | 161     |          |          |          | 12         | GB30-1156 SYSTEM/34            | 1 S H       |
| >F/A CONTROL     | S/34 FIXED ASSET ACCTG/CTL II            | 5798-RJH     |     | 2100    |          |          |          | 01         | GB30-1787 SYSTEM/34            | 1 S H       |
| >FA ACCTG/CONTRD | FIXED ASSET ACCTG & CONTROL SYS          | 5798-NNA     |     | 161     |          |          |          | 12         | GB30-1241 5120 SYSTEM          | 1 S H       |
| >FAAT            | AUTOMATED TELLER HOST ENHANCEMENTS       | 5796-BBH     |     | 105     |          |          |          | 12         | G320-6428 DOS/VS, CICS/VS      | 1 S H       |
| >FAAT            | AUTOMATED TELLER HOST SUPPORT            | 5796-BBJ     |     | 2235    |          |          |          | 12         | G320-6428 CICS/DOS/VS          | 1 S H       |
| >FACES           | MANYFONT TEXT PROCESSING TYPE FACES      | 5796-PPE     |     | 120     |          |          |          | 12         | G320-6634 VM/CMS, DCF          | 1 S H       |
| FACILITIES       | COPICS FACILITIES DATA CONTROL           | 5798-CZH     |     | 140     |          |          |          | 36         | GB21-2433 DL/I CICS/VS DMS/VS  | 1 S H       |
| FACILITIES       | DOS/VSE DEVICE SUPPORT FACILITIES        | 5747-DS2     |     |         |          |          |          |            | GC26-3946 DIRECT ACCESS DEVICE | 0 S S       |
| >FACILITIES      | EDX PROGRAM PREPARATION FACILITIES VER 1 | 5719-XX2     | R   | 20      |          |          |          |            | GC34-0303 SERIES/1             | 1 S C       |
| >FACILITIES      | EDX PROGRAM PREPARATION FACILITIES VER 2 | 5719-XX3     | R   | 26      |          |          |          |            | GC34-0301 SERIES/1             | 1 S C       |
| FACILITIES       | STANDALONE DEVICE SUPPORT FACILITIES     | 5747-DS1     |     |         |          |          |          |            | GC26-3946 DIRECT ACCESS DEVICE | 0 S S       |
| >FACILITIES CONT | FACILITIES CONTROL MULTIPLEXER           | 5798-NMB     |     | 138     |          |          |          | 12         | GB30-1275 SERIES/1             | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC DSLO LLPS MLPS |      |     |     | GENERAL MO | ENVIRONMENT OR FEATURE # | T I S P L V          |   |   |   |
|------------------|--|--------------|-----|--------------------|------|-----|-----|------------|--------------------------|----------------------|---|---|---|
|                  |  |              |     | FEE                | FEE  | FEE | FEE |            |                          |                      |   |   |   |
| >FACILITIES CONT | S/1 GENL PURP AUTO EXEC (GPAX)           | 5798-RCZ     | P   | 250                |      |     |     | 24         | GB30-1565                | SERIES/1             | 1 | S | H |
| >FACILITY/HOST   | SERIES/1 COMMUNICATIONS FACILITY/HOST    | 5668-979     | P   | 175                |      |     |     |            |                          | EDX,OS/V5,DOS/VSE    | 1 | S | B |
| FARE             | FARE QUOTE / TICKETING                   | 5736-T11/01  |     | 5160               |      |     |     |            | GH20-0873                | ACP                  | 0 | I | B |
| FARE             | FARE QUOTE / TICKETING TARIFF MAINT FEA. | 5736-T11/02  |     | 10330              |      |     |     |            | GH20-0873                | ACP                  | 0 | I | B |
| >FARGO           | DAKOTA HOSPITAL FINANCIAL SYS            | 5796-AAJ     |     | 189                |      |     |     | 12         | G320-1402                | SYSTEM/3             | 1 | I | H |
| >FARM EQUIP DEAL | INVTY ACCTG/MGMT REPORT SYSTEM           | 5798-NPD     |     | 100                |      |     |     | 24         | GB30-1095                | SYSTEM/32            | 1 | S | H |
| >FARM EQUIPMENT  | DEALER PARTS INVTY COMM SYSTEM           | 5798-NZL     |     | 86                 |      |     |     | 12         | GB30-1443                | 5120 SYSTEM          | 1 | S | H |
| >FARM EQUIPMENT  | DLR PARTS INVTY COMMUNIC SYSTEM          | 5798-NYB     |     | 132                |      |     |     | 12         | GB30-1346                | SYSTEM/34            | 1 | S | H |
| >FARM EQUIPMENT  | DLR PARTS INVTY COMMUNIC SYSTEM          | 5798-NYB     |     | 132                |      |     |     | 12         | GB30-1346                | SYSTEM/34            | 1 | S | H |
| >FARM EQUIPMENT  | S/34 DEALER PARTS INVTY                  | 5798-RBG     |     | 287                |      |     |     | 24         | GB30-1498                | SYSTEM/34            | 1 | S | H |
| >FARM MANAGEMENT | S/23 FARM MGMT ACCTG SYSTEM              | 5796-ZAY     |     | 3000               |      |     |     | 01         | GB30-1777                | SYS/23 DATAMASTER    | 1 | I | H |
| >FARM MGMT SYSTE | S/23 DAIRY HERD/HEALTH MGMT SYS          | 5796-ZAX     |     | 2000               |      |     |     | 01         | GB30-1780                | SYS/23 DATAMASTER    | 1 | I | H |
| >FARMING         | S/23 CROP COSTING SYSTEM                 | 5798-RGY     |     | 2000               |      |     |     | 01         | GB30-1766                | SYS/23 DATAMASTER    | 1 | I | H |
| FAST             | DL/I FAST SCAN UTILITY FOR DOS/V5        | 5798-CVJ     |     | 195                |      |     |     | 12         | GB21-2380                | DOS/V5 DL/I          | 1 | I | H |
| FAST             | EPIC FAST                                | 5735-E92     |     | 104                |      |     |     |            | GH20-1131                | DOS/OS               | 1 | I | C |
| >FAST            | EPIC: - FAST EDUCATION TEST SCORING      | 5735-E92     |     | 104                |      |     |     |            | GH20-1131                | SYSTEM/3             | 1 | I | C |
| >FAST            | FAST SCAN UTILITY II                     | 5798-DFN     |     | 920                |      |     |     | 01         | GB21-2908                | OS/V5,IMS/V5         | 0 | S | H |
| >FAST            | FAST TRACK (R)                           | 6024-023     |     | 90                 |      |     |     | 01         | GX20-2397                | IBM PERSONAL COMPUTR | 0 | S | H |
| FAST             | IMS FAST REORGANIZATION RELOAD           | 5798-CXT     |     | 252                |      |     |     | 12         | GB21-2341                | OS/V5                | 1 | I | H |
| FAST             | VSE FAST COPY DATA-SET PROGRAM           | 5746-AM6     |     | 417                |      |     |     | 01         | GC33-6081                | DOS/VSE              | 1 | S | L |
| FAST             | VSE VSAM FAST BACKUP RESTORE FEATURE     | 5746-AM2/03  |     | 24                 | 18   | 5   | 8   |            | GC24-5190                | 6090-6091            | 1 | S | K |
| FAST-PATH        | IMS/V5 FAST-PATH FEATURE                 | 5740-XX2/04  |     | 1750               | 1310 | 165 | 264 |            | GH20-9069                | 6179-6180            | 2 | S | K |
| FASTER           | CICS/DOS/V5 FASTER LANGUAGE FACILITY     | 5746-XX3/02  |     | 113                |      |     |     |            | GH20-1502                | 6019-6024            | 2 | S | C |
| FASTER           | CICS/OS/V5 FASTER LANGUAGE FACILITY FEAT | 5740-XX1/02  |     | 113                |      |     |     |            | GH20-1502                | 6021-6023            | 0 | S | C |
| FBA              | 231X EMULATOR ON FBA DEVICES             | 5747-SAJ     |     |                    |      |     |     |            |                          | DOS/VSE              | 0 | S | N |
| FB001            | FUNDAMENTALS OF BANKING COURSE           | 5798-DDH     |     | 125                |      |     |     | 12         | GB21-2652                | IIS,IIPS             | 1 | L | H |
| >FC/PM1          | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U11     | R   | 164                |      |     |     | 48         | GC34-0063                | SERIES/1             | 1 | S | C |
| >FC/PM2          | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U12/01  | R   | 236                |      |     |     | 48         | GH30-0094                | SERIES/1             | 1 | S | C |
| >FC/PM2M         | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U14/01  | R   | 116                |      |     |     | 48         | GH30-0094                | SERIES/1             | 1 | S | C |
| >FC/PM3          | ENERGY 3 SPECIAL FEATURE (6000/1)        | 5719-U12/02  | R   | 66                 |      |     |     | 48         | GH30-0094                | SERIES/1             | 1 | S | C |
| >FC/PM3          | ENERGY SPECIAL FEATURE (6000/1)          | 5719-U14/02  | R   | 66                 |      |     |     | 48         | GH30-0094                | SERIES/1             | 1 | S | C |
| >FC/PM4          | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U13     | R   | 325                |      |     |     | 48         | GH30-0500                | SERIES/1             | 1 | S | C |
| >FC/PM4M         | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U15     | R   | 144                |      |     |     | 48         | GH30-0500                | SERIES/1             | 1 | S | C |
| FCO              | FILE CABINET OPTION                      | 5798-CPY/01  |     | 600                |      |     |     | 24         | GB21-2103                | OS/V52,JES2,TCAM     | 1 | S | H |
| FCO              | FILE CABINET OPTION WIDE SCREEN FEATURE  | 5798-CPY/02  |     | 250                |      |     |     | 24         | GB21-2103                | 6013-6014            | 1 | S | H |
| FCO/VTAM         | FILE CABINET OPTION / VTAM               | 5798-DCG     |     | 637                |      |     |     | 24         | GB21-2604                | MVS JES2,JES3        | 1 | S | H |
| >FCU             | FILE CONVERSION UTILITY                  | 5725-UT2     |     | 76                 |      |     |     |            | GC34-0081                | SYSTEM/32            | 1 | S | A |
| >FDMAS           | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | 5725-D66     |     | 68                 |      |     |     |            | GH30-0156                | SYSTEM/32            | 1 | I | D |
| >FDMAS           | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | 5726-D66     |     | 69                 |      |     |     |            | GH30-0156                | SYSTEM/34            | 1 | I | D |
| >FDMAS           | BILLING FOOD DISTRIBUTORS                | 5725-D6A     |     | 98                 |      |     |     |            | GH30-0156                | SYSTEM/32            | 1 | I | D |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >FDMAS           | BILLING FOOD DISTRIBUTORS                | 5726-D65     |     | 100     |          |          |          |            | GH30-0156 SYSTEM/34            | 1 I D       |
| >FDMAS           | INVENTORY CONTROL FOOD DISTRIBUTORS      | 5725-D68     |     | 89      |          |          |          |            | GH30-0156 SYSTEM/32            | 1 I D       |
| >FDMAS           | INVENTORY CONTROL FOOD DISTRIBUTORS      | 5726-D67     |     | 89      |          |          |          |            | GH30-0156 SYSTEM/34            | 1 I D       |
| >FDMAS           | SALES ANALYSIS FOOD DISTRIBUTORS         | 5725-D6C     |     | 89      |          |          |          |            | GH30-0156 SYSTEM/32            | 1 I D       |
| >FDMAS           | SALES ANALYSIS FOOD DISTRIBUTORS         | 5726-D68     |     | 89      |          |          |          |            | GH30-0156 SYSTEM/34            | 1 I D       |
| FDX              | LINK CONTROL FDX IATA 3704 SEP           | 5799-AHP     |     | 450     |          |          |          |            | ACP                            | 1 B         |
| FEATURES         | PEP EXTENDED FEATURES FOR THE 3705-II    | 5799-BAF     |     | 281     | 210      | 24       | 38       |            | GC30-9540 VS1 MVS DOS/VSE VM   | 2 S K       |
| FERST/VS         | FERST/VS EQUIPMENT CONTROL               | 5795-AAH     |     | 1775    |          |          |          |            | GH20-4384 OS/V51               | 1 I C       |
| FERST/VS         | FERST/VS EQUIPMENT CONTROL               | 5795-AAJ     |     | 1775    |          |          |          |            | GH20-4384 DOS/VS               | 1 I C       |
| FERST/VS         | FERST/VS FREIGHT BILLING                 | 5795-AAK     |     | 1775    |          |          |          |            | GH20-4384 OS/V51               | 1 I C       |
| FERST/VS         | FERST/VS FREIGHT BILLING                 | 5795-AAL     |     | 1775    |          |          |          |            | GH20-4384 DOS/VS               | 1 I C       |
| FERST/VS         | FERST/VS RATING RATE AUDIT               | 5795-AAM     |     | 2025    |          |          |          |            | GH20-4394 CICS/OS/VS           | 1 I C       |
| FERST/VS         | FERST/VS RATING RATE AUDIT               | 5795-AAN     |     | 2025    |          |          |          |            | GH20-4394 CICS/DOS/VS          | 1 I C       |
| FERST/VS         | FREIGHT & EQUIPMENT REPORTING SYS        | 5795-AAF     |     | 634     |          |          |          |            | GH20-4384 OS/V51               | 1 I C       |
| FERST/VS         | FREIGHT & EQUIPMENT REPORTING SYS        | 5795-AAG     |     | 525     |          |          |          |            | GH20-4384 DOS/VS               | 1 I C       |
| >FICAS CIF       | S/34 NEGOTIABLE ORDER OF WITHDRAW        | 5798-RDE     |     | 65      |          |          |          | 12         | GB30-1583 SYSTEM/34            | 1 S H       |
| FIELD            | S/3 TO S/370 NUMERIC FIELD EDIT          | 5798-CZD     |     | 650     |          |          |          | 01         | GB21-2423 DOS/VS               | 0 I H       |
| >FIELD REFERENCE | S/3 DBT TO S/38 CONVER AID               | 5798-NYN     |     | 247     |          |          |          | 01         | GB30-1389 SYSTEM/3             | 0 S H       |
| >FILE            | APL FILE MANAGEMENT                      | 5798-DJK     |     | 1105    |          |          |          | 01         | GB21-2951 VM/CMS               | 1 S H       |
| FILE             | APL/DI FILE CREATE USING PL/I            | 5796-PKP     |     | 85      |          |          |          | 12         | G320-6066 5796-PJZ,-PKA,-PKB   | 1 S H       |
| FILE             | AUDIT FILE COMPARE PROGRAM               | 5796-PNF     |     | 100     |          |          |          | 12         | G320-6339 OS/VS                | 1 S H       |
| FILE             | CHAINED FILE DL/I BRIDGE                 | 5748-XX3     |     | 437     |          |          |          |            | GH12-5116 DOS/VS,OS/VS         | 1 S B       |
| >FILE            | CUSTOMER INFORMATION FILE BANKING        | 5725-F11     |     | 101     |          |          |          |            | GH30-0358 SYSTEM/32            | 1 I C       |
| >FILE            | CUSTOMER INFORMATION FILE BANKING        | 5726-F11     |     | 167     |          |          |          |            | G360-0050 SYSTEM/34            | 1 I D       |
| >FILE            | DATA ENTRY AND FILE MAINT MOD 8/10 DISK  | 5702-XX1     |     | 171     |          |          |          |            | SC21-5102 SYSTEM/3             | 1 S C       |
| FILE             | DISK WORK FILE MANAGER FOR DOS/VS        | 5796-ANK     |     | 100     |          |          |          | 12         | G320-5741 DOS/VS               | 1 S H       |
| >FILE            | DISTRIBUTED DISK FILE FACILITY DDFE      | 5799-BCP     |     | 93      | 61       |          |          |            | GC21-7872 SYSTEM/34            | 1 S A       |
| >FILE            | FILE CONVERSION UTILITY                  | 5725-UT2     |     | 76      |          |          |          |            | GC34-0081 SYSTEM/32            | 1 S A       |
| FILE             | FILE CABINET OPTION                      | 5798-CPY/01  |     | 600     |          |          |          | 24         | GB21-2103 OS/V52,JES2,TCAM     | 1 S H       |
| FILE             | FILE CABINET OPTION WIDE SCREEN FEATURE  | 5798-CPY/02  |     | 250     |          |          |          | 24         | GB21-2103 6013-6014            | 1 S H       |
| FILE             | FILE CABINET OPTION / VTAM               | 5798-DCG     |     | 637     |          |          |          | 24         | GB21-2604 MVS JES2,JES3        | 1 S H       |
| >FILE            | FILE CONVERSION FOR WORD PROCESSORS      | 5798-DFY     |     | 835     |          |          |          | 01         | GB21-2821 OS/VS,DOS/VSE        | 0 S H       |
| FILE             | FILE TRANSFER PROGRAM                    | 5748-XE6     |     | 42      | 31       | 5        | 8        |            | GH12-5129 DOS/VS OS/VS         | 1 S K       |
| >FILE            | IBM 8100/DPPX FILE PRINT UTILITY         | 5798-DGG     |     | 25      |          |          |          | 12         | GB21-2840 DPPX                 | 1 S H       |
| FILE             | SPM II FILE COMPRESSION REPORTING SYSTEM | 5796-AYG     |     | 65      |          |          |          | 12         | G320-6332 DOS/VSE              | 1 S H       |
| FILE             | VIRTUAL MACHINE INTERACTIVE FILE SHARING | 5748-XXC     |     | 40      | 30       | 12       | 1        |            | GC24-5195 VM/CMS               | 1 S K       |
| FILE             | 3661 FILE CREATION PROGRAM               | 5796-PFZ     |     | 185     |          |          |          | 12         | G320-5678 DOS/V51,V51,V52,VTAM | 1 I H       |
| FILE             | 3790 INTERACTIVE FILE MAINTENANCE        | 5798-CZQ     |     | 145     |          |          |          | 12         | GB21-2476 DOS/VS,OS/VS,VM/CMS  | 1 S H       |
| FILE             | 3790 KEY SEQUENTIAL FILE MACROS          | 5798-CRG     |     | 90      |          |          |          | 12         | GB21-2176 DOS/VS, OS/V51       | 1 I H       |
| >FILE COMMUNICAT | S/34 FILE EXTRACT/COMMUNICATION          | 5798-RDD     |     | 75      |          |          |          | 06         | GB30-1576 SYSTEM/34            | 1 S H       |

KEYWORDS - ALPHABETIC SEQUENCE

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CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|------------------|---|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| >FILE CONVERSION | OS 6 COMM & FILE CONVERSION SYS         | 5798-NZH     |     | 143     |          |          |          | 06 GB30-1431    | SYSTEM/34                | 1 S H       |
| >FILE CREATION   | S/1 EDX FILE CREATION                   | 5798-RBL     | P   | 46      |          |          |          | 12 GB30-1496    | SERIES/1                 | 1 S H       |
| >FILE DISPLAY    | ONLINE DATA FILE DISPLAY PROGRAM        | 5798-NRG     |     | 287     |          |          |          | 01 GB30-0701    | SYSTEM/3                 | 0 S H       |
| >FILE EXTRACT    | S/34 FILE EXTRACT/COMMUNICATION         | 5798-RDD     |     | 75      |          |          |          | 06 GB30-1576    | SYSTEM/34                | 1 S H       |
| >FILE LISTINGS   | 5110/5120 BRADS II SCREEN DESIGN        | 5798-NZQ     |     | 345     |          |          |          | 01 GB30-1464    | 5120 SYSTEM              | 1 S H       |
| >FILE LOAD & MAI | DISK FILE PROGRAM GENERATOR - 10        | 5798-BBH     |     | 69      |          |          |          | 12 GB21-1261    | SYSTEM/3                 | 1 I H       |
| >FILE MAINTENANC | BUSINESS REPORT/APPL DEV SYS II         | 5798-NXT     |     | 98      |          |          |          | 12 GB30-1341    | 5120 SYSTEM              | 1 S H       |
| >FILE MAINTENANC | ONLINE FILE MAINT PROGRAM WRITER        | 5798-NMD     |     | 75      |          |          |          | 06 GB30-1287    | SYSTEM/34                | 1 S H       |
| >FILE MAINTENANC | S/34 O/L HOSP FILE MAINT SYSTEM         | 5798-RBX     |     | 120     |          |          |          | 06 GB30-1514    | SYSTEM/34                | 1 S H       |
| >FILE MANAGEMENT | S/1 VIRTUAL BASIC SUPERVISOR            | 5798-RRY     | P   | 29      |          |          |          | 36 GB30-1466    | SERIES/1                 | 1 S H       |
| >FILES           | EXTENDING SEQUENTIAL DISK FILES         | 5798-CBN     |     | 64      |          |          |          | 12 GB21-1456    | DOS/V5                   | 1 I H       |
| >FILES           | 5110/5120 ADMIN CONTROL SYSTEM          | 5798-NYF     |     | 115     |          |          |          | 12 GB30-1376    | 5120 SYSTEM              | 1 S H       |
| >FILING          | ADMINISTRATIVE CONTROL SYSTEM           | 5798-NWT     |     | 287     |          |          |          | 12 GB30-1318    | SYSTEM/34                | 1 S H       |
| >FILING          | ONLINE ADMINISTRATIVE CONTROL           | 5796-NJJ     |     | 258     |          |          |          | 12 GB30-0914    | SYSTEM/3                 | 1 S H       |
| >FILING SYSTEM   | S/23 COMPUTERIZED FILING SYSTEM         | 5798-RHD     |     | 1440    |          |          |          | 01 GB30-1695    | SYS/23 DATAMASTER        | 1 I H       |
| >FIN             | 4700 FIN SYS COM ONLINE TER SUP COLTS   | 5799-BGB     |     | 50      |          |          |          |                 | 36/4700                  | 1 S B       |
| >FINAN STATEMENT | S/23 JOB SHOP CONTROL - G/L             | 5796-ZAN     |     | 1200    |          |          |          | 01 GB30-1714    | SYS/23 DATAMASTER        | 1 I H       |
| >FINANCE         | APPL SUPP - CONSUMER TRANS FACL         | 5798-NME     |     | 575     |          |          |          | 12 GB30-1295    | SYSTEM/3                 | 1 S H       |
| >FINANCE         | CERTIFICATE OF DEPOSIT ACCTG            | 5798-APR     |     | 220     |          |          |          | 12 GB21-0381    | SYSTEM/3                 | 1 I H       |
| >FINANCE         | EPIC BUDGET / FINANCE                   | 5735-E93     |     | 133     |          |          |          | GH20-1132       | DOS/05                   | 1 I C       |
| >FINANCE         | HOST SUPPORT 3600 FINANCE COMMUNICATION | 5744-CA3     |     |         |          |          |          | GC27-0006       | OS/V5                    | 0 S N       |
| >FINANCE         | INSTALLMENT LOAN ACCOUNTING BANKING     | 5725-F14     |     | 104     |          |          |          | GH30-0362       | SYSTEM/32                | 1 I C       |
| >FINANCE         | INSTALLMENT LOAN ACCOUNTING BANKING     | 5726-F14     |     | 170     |          |          |          | G360-0050       | SYSTEM/34                | 1 I D       |
| >FINANCE         | INTEGR CUST ACCT & PROF FOR FIN         | 5798-NED     |     | 373     |          |          |          | 12 GB30-0763    | SYSTEM/3                 | 1 I H       |
| >FINANCE         | INTEGR CUST ACCT & PROF FOR FIN         | 5798-NEF     |     | 339     |          |          |          | 12 GB30-0763    | SYSTEM/3                 | 1 I H       |
| >FINANCE         | INTEGR CUST ACCT & PROF FOR FIN         | 5798-NEJ     |     | 264     |          |          |          | 12 GB30-0763    | SYSTEM/3                 | 1 I H       |
| >FINANCE         | INTEGR CUST ACCT & PROF FOR FIN         | 5798-NEN     |     | 276     |          |          |          | 12 GB30-0763    | SYSTEM/3                 | 1 I H       |
| >FINANCE         | NAVY YARD CREDIT UNION--ONLINE          | 5796-NCH     |     | 339     |          |          |          | 24 GB30-0642    | SYSTEM/3                 | 1 I H       |
| >FINANCE         | ONLINE TERMINAL SUPPORT II              | 5798-NYZ     |     | 345     |          |          |          | 12 GB30-1409    | SYSTEM/3                 | 1 S H       |
| >FINANCE         | PROOF OF DEPOSIT TRANSIT                | 5798-APD     |     | 164     |          |          |          | 12 GB21-0286    | SYSTEM/3                 | 1 I H       |
| >FINANCE         | PROOF OF DEPOSIT TRANSIT W/SUBR8        | 5798-NKC     |     | 138     |          |          |          | 12 GB30-0949    | SYSTEM/3                 | 1 S H       |
| >FINANCE         | PROOF OF DEPOSIT TRANSIT SYSTEM         | 5798-NMW     |     | 172     |          |          |          | 12 GB30-1141    | SYSTEM/34                | 1 S H       |
| >FINANCE         | SAVINGS ACCOUNTING BANKING              | 5725-F13     |     | 90      |          |          |          | GH30-0360       | SYSTEM/32                | 1 I C       |
| >FINANCE         | SAVINGS ACCOUNTING BANKING              | 5726-F13     |     | 147     |          |          |          | G360-0050       | SYSTEM/34                | 1 I D       |
| >FINANCE         | 3600 FINANCE SUBSYSTEM FEATURE          | 5726-SSJ/03  |     | 180     | 155      |          |          |                 | SYS/34.6010/11           | 1 S A       |
| >FINANCE         | 4700 FINANCE SYSTEM COBOL               | 5666-266     |     | 325     | 243      | 56       | 90       | GL23-0078       | DOS/V5E                  | 1 S K       |
| >FINANCE         | 4700 FINANCE SYSTEM - COBOL             | 5668-987     |     | 450     | 337      | 69       | 110      | GL23-0078       | OS/V5                    | 1 S K       |
| >FINANCE         | 4700 FINANCE SYSTEM - HOST              | 5668-989     |     | 550     | 412      | 153      | 245      | GC31-2016       | OS/V5, DOS/V5E           | 1 S K       |
| >FINANCE COMMUNI | 3600 O/L TERMINAL SUPPORT - S/34        | 5798-RAA     |     | 253     |          |          |          | 12 GB30-1454    | SYSTEM/34                | 1 S H       |
| >FINANCIAL       | CLIENT ACCOUNTING & FINANCIAL REPORTING | 5725-C21     | R   | 170     |          |          |          | GH30-0306       | SYSTEM/32                | 1 I C       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >FINANCIAL       | CLIENT ACCOUNT & FINANCIAL REPORTING SYS | 5726-C21     |     | 170     |          |          |          |            | GH30-0230 SYSTEM/34            | 1 I C       |
| >FINANCIAL       | CLIENT ACCOUNT & FINANCIAL REPORT SYS II | 5726-C22     |     | 195     | 146      |          |          |            | GH30-0230 SYSTEM/34            | 1 I D       |
| >FINANCIAL       | DAKOTA HOSPITAL FINANCIAL SYS            | 5796-AAJ     |     | 189     |          |          |          | 12         | G320-1402 SYSTEM/3             | 1 I H       |
| >FINANCIAL       | FINANCIAL: POSTING & GENERAL LEDGER      | 5668-967     |     | 805     |          |          |          |            | GH20-2467 OS/VS,IMS/CICS/VS    | 1 S B       |
| >FINANCIAL       | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5668-968     |     | 184     |          |          |          |            | GH20-2467 OS/VS,IMS/CICS/VS    | 1 S B       |
| >FINANCIAL       | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5668-969     |     | 356     |          |          |          |            | GH20-2467 OS/VS,IMS/CICS/VS    | 1 S B       |
| >FINANCIAL       | FINANCIAL: PAYMENT PROCESSING A/P        | 5668-970     |     | 264     |          |          |          |            | GH20-2467 OS/VS,IMS/CICS/VS    | 1 S B       |
| >FINANCIAL       | FINANCIAL APPLICATIONS BRIDGE RETAIL     | 5726-XA7     |     | 150     |          |          |          | 24         | GH30-0136 SYSTEM/34            | 1 S E       |
| FINANCIAL        | FINANCIAL: POSTINGS & GENERAL LEDGER     | 5746-F52     |     | 714     |          |          |          |            | GH20-2467 DOS/VSE,CICS,DL/I    | 1 S B       |
| FINANCIAL        | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5746-F53     |     | 158     |          |          |          |            | GH20-2467 DOS/VSE,CICS,DL/I    | 1 S B       |
| FINANCIAL        | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5746-F54     |     | 317     |          |          |          |            | GH20-2467 DOS/VSE,CICS,DL/I    | 1 S B       |
| FINANCIAL        | FINANCIAL: PAYMENT PROCESSING A/P        | 5746-F55     |     | 238     |          |          |          |            | GH20-2467 DOS/VSE,CICS,DL/I    | 1 S B       |
| FINANCIAL        | FINANCIAL MANAGEMENT SYSTEM              | 5785-NAC     |     | 1750    |          |          |          |            | GB21-2679 OS/VS,IMS/VS         | 2 S E       |
| FINANCIAL        | FINANCIAL ANALYSIS AND CREDIT EVALUATION | 5796-AWY     |     | 450     |          |          |          | 12         | G320-6171 MVS,TSO              | 1 S H       |
| FINANCIAL        | FINANCIAL PLANNING SYSTEM - APLSV        | 5798-BDE     |     | 345     |          |          |          | 12         | GB21-1339 APLSV,APL/CMS        | 1 I H       |
| FINANCIAL        | FINANCIAL PLANNING SYSTEM - APL/CMS      | 5798-CFX     |     | 395     |          |          |          | 12         | GB21-1705 VM/CMS WITH APL/CMS  | 1 I H       |
| FINANCIAL        | FINANCIAL INFORMATION SYSTEM / BACIS     | 5798-CQF     |     | 1200    |          |          |          | 24         | GB21-2123 OS/VS COBOL          | 1 I H       |
| FINANCIAL        | FINANCIAL INFORMATION SYSTEM / ONLINE    | 5798-CRW     |     | 495     |          |          |          | 24         | GB21-2209 CICS/OS/VS, 5798-CQF | 1 S H       |
| FINANCIAL        | FINANCIAL PLANNING SYSTEM - TSO          | 5798-CXP     |     | 352     |          |          |          | 12         | GB21-2335 TSO WITH VSAPL       | 1 S H       |
| FINANCIAL        | FINANCIAL INFORMATION SYSTEM ONLINE FIS  | 5798-CYB     |     | 330     |          |          |          |            | GB21-2367 DOS/VS/VSE 5798-CYC  | 1 S E       |
| FINANCIAL        | FINANCIAL INFORMATION SYSTEM - FIS       | 5798-CYC     |     | 793     |          |          |          |            | GB21-2364 DOS/VS/VSE COBOL     | 1 S E       |
| FINANCIAL        | FINANCIAL PLANNING SYSTEM - CICS / VSPC  | 5798-DBA     |     | 300     |          |          |          | 12         | GB21-2538 VSAPL W/ CICS,VSPC   | 1 S H       |
| FINANCIAL        | FINANCIAL PLANNING SYSTEM II - VM/CMS    | 5798-DCN     |     | 200     |          |          |          |            | GB21-2622 VM/CMS WITH VSAPL    | 1 S E       |
| FINANCIAL        | FINANCIAL SERVICES TERMINAL SUPPORT FSTS | 5799-ARD     |     | 544     |          |          |          |            | GH20-4531 DOS/VS CICS/VS       | 1 I C       |
| FINANCIAL        | FINANCIAL SERVICES TERMINAL SUPPORT FSTS | 5799-ARE     |     | 695     |          |          |          |            | GH20-4522 CICS/OS/VS           | 1 I C       |
| >FINANCIAL       | PROOF OF DEPOSIT TRANSIT SYS             | 5798-NKQ     |     | 138     |          |          |          | 12         | GB30-0986 SYSTEM/32            | 1 S H       |
| >FINANCIAL       | S/34 APPLIC SUPPORT FOR 3624 CTF         | 5798-RDP     |     | 800     |          |          |          | 12         | GB30-1626 SYSTEM/34            | 1 S H       |
| >FINANCIAL       | TELLER CONTROL PROGRAM                   | 5798-NKZ     |     | 287     |          |          |          | 12         | GB30-0992 SYSTEM/3             | 1 S H       |
| >FINANCIAL ACCTG | GENL LEDGER/FINANCIAL ACCTG              | 5798-AZE     |     | 68      |          |          |          | 12         | GB21-1159 SYSTEM/3             | 1 I H       |
| >FINANCIAL ACCTG | ONLINE GENERAL LEDGER/FINANCIAL          | 5798-NHH     |     | 166     |          |          |          | 12         | GB30-0846 SYSTEM/3             | 1 S H       |
| >FINANCIAL ACCTG | S/34 G/L & FINAN ACCTG SYS               | 5798-RFW     |     | 150     |          |          |          | 12         | GB30-1673 SYSTEM/34            | 1 S H       |
| >FINANCIAL INST  | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEF     |     | 339     |          |          |          | 12         | GB30-0763 SYSTEM/3             | 1 I H       |
| >FINANCIAL INST  | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEJ     |     | 264     |          |          |          | 12         | GB30-0763 SYSTEM/3             | 1 I H       |
| >FINANCIAL INST  | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEN     |     | 276     |          |          |          | 12         | GB30-0763 SYSTEM/3             | 1 I H       |
| >FINANCIAL MEASU | S/34 STRATEGIC PROFIT MODEL              | 5798-NZR     |     | 287     |          |          |          | 01         | GB30-1424 SYSTEM/34            | 1 S H       |
| >FINANCIAL REPOR | ENHANCEMENTS TO PUB BUDG/FIN REP         | 5798-NKF     |     | 81      |          |          |          | 12         | GB30-0956 SYSTEM/3             | 1 S H       |
| >FINANCIAL REPOR | PUBLIC BUDGETING & FINANCIAL REP         | 5798-NFC     |     | 379     |          |          |          | 12         | GB30-0956 SYSTEM/3             | 1 S H       |
| >FINANCIAL REPOR | S/23 CONSTR INFO - GEN LEDG              | 5796-ZAT     |     | 1550    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER    | 1 I H       |
| >FINANCIAL REPOR | S120 CONSTRUCT INFO SYS - G/L            | 5796-ZAF     |     | 2025    |          |          |          | 01         | GB30-1534 S120 SYSTEM          | 1 S H       |
| FINE             | MICR DOCUMENT FINE SORT                  | 5798-RCN     |     | 183     |          |          |          | 12         | GB21-1327 DOS/VS               | 1 I H       |

| KEYWORD              | PROGRAM INFORMATION                              | ORDER NUMBER        | T C | LIC FEE        | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO              | ENVIRONMENT OR FEATURE #         | T I S P L V      |
|----------------------|--|---------------------|-----|----------------|----------|----------|----------|-------------------------|----------------------------------|------------------|
| FINE                 | 3890 DOS/VSE OFFLINE FINE SORT II                | 5798-CFD/02         |     | 88             |          |          |          | 12 GB21-1662            | 9560-9561                        | 1 S H            |
| FINE                 | 3890 OS/VSE OFFLINE FINE SORT                    | 5798-BDY/01         |     | 144            |          |          |          | 12 GB21-1383            | OS/VSE                           | 1 S H            |
| FINE                 | 3890 ONLINE FINE SORT - OS/VSE/CPCS              | 5798-CRC            |     | 900            |          |          |          | 12 GB21-2170            | OS/VSE                           | 1 S H            |
| FINE                 | 3890 ONLINE FINE SORT - DOS/VSE                  | 5798-CWR            |     | 845            |          |          |          | 12 GB21-2276            | DOS/VSE DOS/VSE REL              | 1 S H            |
| <del>FINE-SORT</del> | <del>3890 ONLINE FINE-SORT ENHANCEMENTS</del>    | <del>5796-AYF</del> |     | <del>185</del> |          |          |          | <del>12 G320-6329</del> | <del>5798-CRC AND CPCS</del>     | <del>1 S H</del> |
| >FINITE              | FINITE ELEMENT ANALYSIS                          | 5796-AZB            | T   | 1810           |          |          |          | G320-6439               | MVS/TSO,VM/CMS                   | 1 S E            |
| >FIRMS               | MANAGEMENT SYSTEM FOR LAW FIRMS                  | 5726-F52            |     | 377            |          |          |          | GH30-0124               | SYSTEM/34                        | 1 I D            |
| FIS                  | FINANCIAL INFORMATION SYSTEM - FIS               | 5798-CVC            |     | 793            |          |          |          | GB21-2364               | DOS/VSE VSE COBOL                | 1 S E            |
| FIS/BACIS            | FINANCIAL INFORMATION SYSTEM / BACIS             | 5798-COF            |     | 1200           |          |          |          | 24 GB21-2123            | OS/VSE COBOL                     | 1 I H            |
| <del>FIS/BACIS</del> | <del>FINANCIAL INFORMATION SYSTEM / ONLINE</del> | <del>5798-CRW</del> |     | <del>495</del> |          |          |          | <del>24 GB21-2209</del> | <del>CICS/OS/VSE, 5798-CQF</del> | <del>1 S H</del> |
| >FIXED ASSET         | FIXED ASSET ACCTG & CONTROL                      | 5798-AGZ            |     | 158            |          |          |          | 12 GB21-0447            | SYSTEM/3                         | 1 I H            |
| >FIXED ASSET ACC     | FIXED ASSET ACCTG/DIR ATT 3741                   | 5798-NDH            |     | 161            |          |          |          | 12 GB30-0725            | SYSTEM/3                         | 1 S H            |
| >FIXED ASSET ACC     | FIXED ASSET ACCTG & CTL SYS                      | 5798-NLD            |     | 161            |          |          |          | 12 GB30-1006            | SYSTEM/32                        | 1 S H            |
| >FIXED ASSET ACC     | FIXED ASSET ACCTG & CONTR SYS                    | 5798-NQF            |     | 161            |          |          |          | 12 GB30-1156            | SYSTEM/34                        | 1 S H            |
| >FIXED ASSET ACC     | FIXED ASSET ACCTG & CONTROL SYS                  | 5798-NWA            |     | 161            |          |          |          | 12 GB30-1241            | 5120 SYSTEM                      | 1 S H            |
| >FIXED ASSET ACC     | S/34 FIXED ASSET ACCTG/CTL II                    | 5798-RJH            |     | 2100           |          |          |          | 01 GB30-1787            | SYSTEM/34                        | 1 S H            |
| FLEET                | FLEET DATA BASE REPORTING SYSTEM                 | 5798-CBW            |     | 200            |          |          |          | 12 GB21-1486            | DOS/VSE                          | 1 I H            |
| >FLOOR               | PLANT FLOOR COLLECTION & LOT TRACKING            | 5798-DFG            |     | 310            |          |          |          | 12 GB21-2881            | DDPX+3640                        | 1 S H            |
| FLOOR                | 8100 / 3640 SHOP FLOOR CONTROL SYSTEM            | 5796-BBR            |     | 345            |          |          |          | 12 G320-6432            | DDPX                             | 1 S H            |
| >FLOWCHARTER         | APPLICATION FLOWCHARTER                          | 5798-NDT            |     | 385            |          |          |          | 01 GB30-0743            | SYSTEM/3                         | 0 S H            |
| >FLOWCHARTER         | APPLICATION FLOWCHARTER                          | 5798-NLW            |     | 345            |          |          |          | 01 GB30-1043            | SYSTEM/32                        | 0 S H            |
| >FLUORESCENCE        | X-RAY FLUORESCENCE ANALYSIS                      | 5798-NYK            |     | 150            |          |          |          | 12 GB30-1381            | SERIES/1                         | 1 S H            |
| >FOLIO ACCOUNTIN     | COMPLIMENTARY FOLIO ACCOUNTING                   | 5798-NWC            |     | 517            |          |          |          | 12 GB30-1281            | SYSTEM/3                         | 1 S H            |
| FONTS                | ATMS II MULTIPLE FONTS FOR THE 3800              | 5798-CRH            |     | 175            |          |          |          | 12 GB21-2184            | OS/VSE CICS/VSE                  | 1 S H            |
| >FOOD                | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS            | 5725-D66            |     | 68             |          |          |          | GH30-0156               | SYSTEM/32                        | 1 I D            |
| >FOOD                | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS            | 5726-D66            |     | 69             |          |          |          | GH30-0156               | SYSTEM/34                        | 1 I D            |
| >FOOD                | BILLING FOOD DISTRIBUTORS                        | 5725-D6A            |     | 98             |          |          |          | GH30-0156               | SYSTEM/32                        | 1 I D            |
| >FOOD                | BILLING FOOD DISTRIBUTORS                        | 5726-D65            |     | 100            |          |          |          | GH30-0156               | SYSTEM/34                        | 1 I D            |
| >FOOD                | INVENTORY CONTROL FOOD DISTRIBUTORS              | 5725-D68            |     | 89             |          |          |          | GH30-0156               | SYSTEM/32                        | 1 I D            |
| >FOOD                | INVENTORY CONTROL FOOD DISTRIBUTORS              | 5726-D67            |     | 89             |          |          |          | GH30-0156               | SYSTEM/34                        | 1 I D            |
| >FOOD                | SALES ANALYSIS FOOD DISTRIBUTORS                 | 5725-D6C            |     | 82             |          |          |          | GH30-0156               | SYSTEM/32                        | 1 I D            |
| >FOOD                | SALES ANALYSIS FOOD DISTRIBUTORS                 | 5726-D68            |     | 89             |          |          |          | GH30-0156               | SYSTEM/34                        | 1 I D            |
| >FOOD DISTRIBUTO     | DMAS II BILLING ENH - FOOD DISTR                 | 5798-NXY            |     | 207            |          |          |          | 12 GB30-1340            | SYSTEM/34                        | 1 S H            |
| FORECASTING          | APL FORECASTING & TIME SERIES ANALYSIS           | 5796-PFX            |     | 382            |          |          |          | 12 G320-5664            | APLSV,APL/CMS,VSAPL              | 1 I H            |
| FORECASTING          | CONSUMER GOODS SYSTEM - FORECASTING              | 5736-D33            |     | 220            |          |          |          | GH20-4409               | OS/HFT/MVT/VSI/V52               | 1 I C            |
| FORECASTING          | CONSUMER GOODS SYSTEM - FORECASTING DOS          | 5736-D32            |     | 220            |          |          |          | GH20-0722               | DOS,DOS/VSE                      | 1 I C            |
| FORECASTING          | COPICS INVENTORY PLANNING FORECASTING II         | 5798-DCR            |     | 172            |          |          |          | GB21-2650               | DOS/VSE,OS/VSE DL/I              | 1 S E            |
| >FORECASTING         | FORECAST MODEL SELECT - WALLED L                 | 5796-ACP            |     | 62             |          |          |          | 12 G320-1434            | SYSTEM/3                         | 1 I H            |
| >FORECASTING         | INVEN/3 - COMPUTER ASSISTED INV                  | 5798-NCX            |     | 345            |          |          |          | 12 GB30-0688            | SYSTEM/3                         | 1 I H            |
| >FORECASTING         | INVEN/34 INVENTY/PURCH MGMT SYS                  | 5798-NWX            |     | 488            |          |          |          | 12 GB30-1102            | SYSTEM/34                        | 1 S H            |

| KEYWORD        | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|----------------|---|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| FORECASTING    | INVENTORY FORECASTING AND REPLENISHMENT   | 5798-CFH     |     | 1500    |          |          |          | 12 GB21-1674 | DOS/VS,OS/VS             | 1 S H       |
| FORECASTING    | INVENTORY FORECASTING ALLOCATION MODULES  | 5798-CXG     |     | 410     |          |          |          | 12 GB21-2323 | INFOREM 5798-CFH         | 1 S H       |
| >FORECASTING   | INVENTORY FORECASTING & REPLENISHMENT II  | 5798-DDR     |     | 625     |          |          |          | 24 GB21-2695 | OS/VS,DDOS/VSE           | 1 S H       |
| >FORECASTING   | S/34 MFRS INVTY FORECASTING               | 5798-RDC     |     | 400     |          |          |          | 12 GB30-1532 | SYSTEM/34                | 1 S H       |
| FOREGROUND     | DCF FOREGROUND: CMS TSO ATMS III          | 5748-XX9/02  |     | 53      |          |          |          | GH20-9158    | 6043-4,6072-3,6076-7     | 1 S L       |
| FOREGROUND     | VSPC CUSTOMIZED FOREGROUND FACILITY       | 5798-DEF     |     | 110     |          |          |          | 12 GB21-2733 | OS/VS                    | 1 S H       |
| >FORM          | PAYROLL W2 FORM                           | 5799-BFD     |     | 75      |          |          |          | 01           | 5120 SYSTEM              | 1 S C       |
| >FORM          | 8100 FORM LETTER GENERATION SYSTEM        | 5798-DHY     |     | 1120    |          |          |          | 01 GB21-2931 | DPCX                     | 1 S H       |
| FORMAT         | IMS/VS MESSAGE FORMAT SERVICES TRAINING   | 5798-CKY     |     | 242     |          |          |          | 12 GB21-1933 | IIS,IIPS                 | 1 L H       |
| FORMAT         | ONLINE PREPARATION OF VIDEO FORMAT        | 5798-BAC     |     | 142     |          |          |          | 06 GB21-1210 | DOS/OS                   | 1 S H       |
| >FORMAT        | RPS SCREEN FORMAT DESIGN AID UTILITY      | 5719-SF1     | R   | 17      |          |          |          | GC34-0326    | SERIES/1                 | 1 S C       |
| >FORMAT        | RPS SCREEN FORMAT PRESENTATION SUPPORT    | 5719-SF2     | R   | 25      |          |          |          | GC34-0326    | SERIES/1                 | 1 S C       |
| FORMAT         | TPNS LOG FORMAT                           | 5798-CTX     |     | 100     |          |          |          | 12 GB21-2239 | OS/VS,5740-XT4           | 1 I H       |
| FORMAT         | 3270 FORMAT MACRO FOR OUTPUT DATA STREAM  | 5798-AKL     |     | 27      |          |          |          | 12 GB21-0620 | DOS/OS                   | 1 S H       |
| FORMAT         | 3270 SCREEN FORMAT UTILITY                | 5798-ABH     |     | 70      |          |          |          | 12 GB21-1441 | MICS,CICS,CICS/VS        | 1 I H       |
| FORMAT         | 3800 FORMAT II                            | 5798-DAC     |     | 70      |          |          |          | 12 GB21-2496 | OS/VS                    | 1 S H       |
| >FORMAT DESIGN | 5280 FORMAT DESIGN AID                    | 5798-RCR     |     | 600     |          |          |          | 01 GB30-1548 | 5280 DATA SYSTEM         | 1 S H       |
| >FORMAT/PRINT  | CPS FORMAT/PRINT                          | 5799-TBA     | R   | 3       |          |          |          | 24 SC34-1564 | SERIES/1                 | 1 S C       |
| FORMATTED      | CICS/VS FORMATTED TRANSACTION DUMP ONLINE | 5798-CQY     |     | 180     |          |          |          | 12 GB21-2156 | V51,DOS/VS,CICS/VS       | 1 S H       |
| FORMATTER      | ATMS III FORMATTER                        | 5740-XYL/02  |     | 402     |          |          |          | GH20-2404    | 5122-5123                | 2 S B       |
| FORMATTER      | ATMS III FORMATTER                        | 5746-XXU/02  |     | 402     |          |          |          | GH20-2404    | 5040-5041                | 2 S B       |
| FORMATTER      | STAIRS INPUT FORMATTER                    | 5740-XY9/03  |     | 208     |          |          |          | GH12-5124    | 6109-6110                | 2 S B       |
| FORMATTING     | GIS/VS 3270 FORMATTING AID                | 5798-CQN     |     | 110     |          |          |          | 12 GB21-2137 | GIS/VS WITH AQF          | 1 S H       |
| FORMATTING     | 3800 PAGE FORMATTING SERVICES             | 5796-AWE     |     | 295     |          |          |          | 12 G320-6089 | OS/VS                    | 1 S H       |
| FORMS          | 3800 FORMS UTILITY                        | 5798-CWH     |     | 200     |          |          |          | 12 GB21-2287 | OS/VS, PL/I              | 1 S H       |
| >FORT          | FORT IV COMPIL & OBJ SUP LIB VER 2        | 5719-F02     | R   | 17      |          |          |          | GC34-0306    | SERIES/1                 | 1 S C       |
| FORTRAN        | CODE AND GO FORTRAN                       | 5734-F01     |     | 302     |          |          |          | GC28-6884    | OS/TSO/CMS               | 1 S C       |
| >FORTRAN       | DISK FORTRAN IV MOD 8/10 DISK             | 5702-F01     |     | 126     |          |          |          | SC28-6974    | SYSTEM/3                 | 1 S C       |
| >FORTRAN       | DISK FORTRAN IV MOD 6                     | 5703-F01     |     | 138     |          |          |          | SC28-6874    | SYSTEM/3                 | 1 S C       |
| >FORTRAN       | DISK FORTRAN IV MOD 12                    | 5705-F01     |     | 135     |          |          |          | GC28-6880    | SYSTEM/3                 | 1 S C       |
| FORTRAN        | DOS FORTRAN IV LIBRARY OPTION 1           | 5746-LM3     |     | 38      | 28       | 5        | 8        | GC28-6882    | DOS                      | 1 S K       |
| FORTRAN        | DPPX FORTRAN COMPILER                     | 5760-F01     |     | 97      | 72       | 20       | 32       | GC27-0417    | DPPX                     | 1 S K       |
| FORTRAN        | DPPX FORTRAN LIBRARY                      | 5760-LM1     |     | 47      | 35       | 12       | 19       | GC27-0417    | DPPX                     | 1 S K       |
| >FORTRAN       | FORTRAN IV - 15ABC                        | 5704-F01     |     | 162     |          |          |          | SC28-6874    | SYSTEM/3                 | 1 S C       |
| >FORTRAN       | FORTRAN IV - 15D                          | 5704-F02     |     | 257     |          |          |          | SC28-6875    | SYSTEM/3                 | 1 S A       |
| >FORTRAN       | FORTRAN IV COMPIL & OBJ SUPPORT LIBRARY   | 5719-F01     | R   | 17      |          |          |          | GC34-0131    | SERIES/1                 | 1 S C       |
| >FORTRAN       | FORTRAN IV REALTIME SUBROUTINE LIBRARY    | 5719-F03     | R   | 7       |          |          |          | GC34-0140    | SERIES/1                 | 1 S C       |
| >FORTRAN       | FORTRAN IV REALTIME SUBROU LIBR VER 2     | 5719-F04     | R   | 8       |          |          |          | GC34-0140    | SERIES/1                 | 1 S C       |
| >FORTRAN       | FORTRAN IV                                | 5725-F01     |     | 99      |          |          |          | GC21-7680    | SYSTEM/32                | 1 S A       |
| >FORTRAN       | FORTRAN IV                                | 5726-F01     |     | 181     | 136      |          |          | GC21-7685    | SYSTEM/34                | 1 S A       |

KEYWORDS - ALPHABETIC SEQUENCE

1-070

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| FORTRAN          | FORTRAN INTERACTIVE DEBUG                | 5734-F05     |     | 240     |          |          |          |            | GC26-3983 5734-F01/02/03       | 1 S B       |
| FORTRAN          | FORTRAN CONVERSION AID                   | 5796-PFG     |     | 5000    |          |          |          | 01         | G320-8154 OS/V5,VM/CMS         | 1 I H       |
| FORTRAN          | FORTRAN H EXTENDED OPTIMIZATION ENHANCED | 5796-PKR     |     | 128     |          |          |          |            | G320-6064 OS/V5, VM/CMS        | 1 S E       |
| FORTRAN          | FORTRAN UTILITIES FOR VM/CMS             | 5798-DFH     |     | 200     |          |          |          | 12         | GB21-2796 VM/CMS               | 1 S H       |
| FORTRAN          | FORTRAN BDAM PERFORMANCE ENHANCEMENT     | 5798-DGA     |     | 50      |          |          |          | 12         | GB21-2853 5734-LC3 OS/V5       | 1 S H       |
| FORTRAN          | FORTRAN H EXTENDED PLUS                  | 5799-AAW     |     | 1485    | 1110     | 5        | 8        |            | MVS                            | 1 S K       |
| >FORTRAN         | FORTRAN COMPILER                         | 6024-012     |     | 350     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| FORTRAN          | OS FORTRAN IV (G)                        | 5734-F02     |     | 92      | 69       | 8        | 13       |            | GC28-6884 OS/TSO/CMS           | 1 S K       |
| FORTRAN          | OS FORTRAN IV (H EXTENDED) COMPILER      | 5734-F03     |     | 399     | 299      | 14       | 22       |            | GC28-6884 OS/HFT/HVT/V5/CMS    | 1 S K       |
| FORTRAN          | OS FORTRAN IV LIBRARY (MOD II)           | 5734-LM3     |     | 123     | 92       | 14       | 22       |            | GC28-6884 OS/HFT/HVT/V5/CMS    | 1 S K       |
| FORTRAN          | TSO FORTRAN PROMPTER                     | 5734-CP3     |     | 32      |          |          |          |            | GC28-6884 5734-F02             | 1 S C       |
| FORTRAN          | VS FORTRAN COMPILER & LIBRARY            | 5748-F03     |     | 212     | 159      | 15       | 24       |            | GC26-3983 OS/V5,DOS/VSE,VM/CMS | 1 S K       |
| FORTRAN          | VS FORTRAN LIBRARY                       | 5748-LM3     |     | 63      | 47       | 5        | 8        |            | GC26-3983 OS/V5,DOS/VSE,VM/CMS | 1 S K       |
| FORTRAN          | VSPC FORTRAN                             | 5748-F02     |     | 507     | 380      | 38       | 61       |            | GH20-9061 DOS/V5,OS/V51,MVS    | 1 S K       |
| FORTRAN          | 1130 FORTRAN COMMERCIAL SUBROUTINES      | 5798-BCT     |     | 73      |          |          |          | 12         | GB21-1318 DOS/V5               | 1 S H       |
| >FORTRAN IV APPL | SERIES/1 ESS/I WITH HOOKS                | 5796-RBB     | P   | 345     |          |          |          | 12         | GB30-1474 SERIES/1             | 1 S H       |
| >FORTRAN-77      | FORTRAN-77 COMPILER                      | 6024-034     |     | 175     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| >FORTRAN-77      | UCSD P-SYSTEM (R) WITH FORTRAN-77        | 6024-017     |     | 625     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| >FOX REAL ESTATE | FOX REAL ESTATE MANAGEMENT               | 5793-AAE     |     | 5520    |          |          |          | 01         | GB30-1415 5120 SYSTEM          | 1 S H       |
| FPS              | FINANCIAL PLANNING SYSTEM - APLSV        | 5798-BDA     |     | 345     |          |          |          | 12         | GB21-1339 APLSV,APL/CMS        | 1 I H       |
| FPS              | FINANCIAL PLANNING SYSTEM - APL/CMS      | 5798-CFX     |     | 395     |          |          |          | 12         | GB21-1705 VM/CMS WITH APL/CMS  | 1 I H       |
| FPS              | FINANCIAL PLANNING SYSTEM - TSO          | 5798-CXP     |     | 352     |          |          |          | 12         | GB21-2335 TSO WITH VSAPL       | 1 S H       |
| FPS              | FINANCIAL PLANNING SYSTEM - CICS / VSPC  | 5798-DBA     |     | 300     |          |          |          | 12         | GB21-2538 VSAPL W/ CICS,VSPC   | 1 S H       |
| FPS II           | FINANCIAL PLANNING SYSTEM II - VM/CMS    | 5798-DCN     |     | 200     |          |          |          |            | GB21-2622 VM/CMS WITH VSAPL    | 1 S E       |
| >FRAME           | FRAME ANALYSIS                           | 5796-AZA     | T   | 950     |          |          |          |            | G320-6439 MVS/TSO,VM/CMS       | 1 S E       |
| >FRAME           | WIRE FRAME GEOMETRY                      | 5796-PQG     |     | 1420    | 1000     |          |          |            | G320-6650 OS/V5                | 1 S E       |
| >FREE            | DATA SET & FREE SPACE MANAGER            | 5796-PPN     |     | 105     |          |          |          | 12         | G320-6654 MVS                  | 1 S H       |
| FREESPACE        | VSAM CONTROL AREA FREESPACE MAP UTILITY  | 5796-AYX     |     | 90      |          |          |          | 12         | G320-6346 OS/V5                | 1 S H       |
| FREIGHT          | FIRST/VS FREIGHT BILLING                 | 5795-AAK     |     | 1775    |          |          |          |            | GH20-4384 OS/V51               | 1 I C       |
| FREIGHT          | FIRST/VS FREIGHT BILLING                 | 5795-AAI     |     | 1775    |          |          |          |            | GH20-4384 DOS/V5               | 1 I C       |
| FREIGHT          | FREIGHT & EQUIPMENT REPORTING SYS        | 5795-AAF     |     | 634     |          |          |          |            | GH20-4384 OS/V51               | 1 I C       |
| FREIGHT          | FREIGHT & EQUIPMENT REPORTING SYS        | 5795-AAG     |     | 525     |          |          |          |            | GH20-4384 DOS/V5               | 1 I C       |
| FREIGHT          | FREIGHT BILL AUDIT AND RATING SYSTEM     | 5796-AEJ     |     | 1215    |          |          |          | 24         | G320-8071 OS/HVT               | 2 I H       |
| FREIGHT          | FREIGHT BILL AUDITING SYSTEM             | 5796-AJB     |     | 350     |          |          |          | 12         | G320-8147 DOS/V5               | 1 I H       |
| >FREIGHT         | MOTOR FREIGHT REVENUE ACCOUNTING         | 5725-T21     |     | 265     |          |          |          |            | GH30-0312 SYSTEM/32            | 1 I C       |
| >FREIGHT         | MOTOR FREIGHT REVENUE ACCOUNTING         | 5726-T21     |     | 304     |          |          |          |            | GH30-0413 SYSTEM/34            | 1 I D       |
| >FREIGHT BILLING | S/34 ONLINE FREIGHT BILL/RATE            | 5796-NZX     |     | 345     |          |          |          | 12         | GB30-1461 SYSTEM/34            | 1 S H       |
| >FRONT           | IBM HOTEL FRONT OFFICE SYSTEM            | 5660-274     | P   | 475     |          |          |          | 48         | GH20-5506 DMS/DPPX,DPPX/COBOL  | 3 S E       |
| >FRONT END       | S/38 FRONT END PROCESSOR                 | 5798-RHE     |     | 350     |          |          |          | 12         | GB30-1712 SYSTEM/38            | 1 S H       |
| >FRONT OFFICE    | ON-LINE HOTEL FRONT OFC MGMT             | 5798-RZA     |     | 1205    |          |          |          | 24         | SYSTEM/3                       | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT DR         | T I S |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|------------------------|-------|
|                  |  |              |     |         |          |          |          | INFO         | FEATURE #              | P L Y |
| >FRONT OFFICE MG | HOTEL FRONT OFFICE MGMT SYS              | 5796-NLF     |     | 632     |          |          |          | 12 GB30-1020 | SYSTEM/32              | 1 I H |
| >FSF             | 3600 FINANCE SUBSYSTEM FEATURE           | 5726-SS1/03  |     | 180     | 155      |          |          |              | SYS/34,6010/11         | 1 S A |
| FTP              | FILE TRANSFER PROGRAM                    | 5748-XE6     |     | 42      | 31       | 5        | 8        | GH12-5129    | DOS/VSE OS/V5          | 1 S K |
| FULL             | EXTENDED EDITOR AND FULL SCREEN MANAGER  | 5796-PLY     |     | 68      |          |          |          | G320-6168    | VSAPL WITH VM, TSO     | 1 S E |
| FULL             | FULL FUNCTION TELLER SYSTEM              | 5796-AZL     |     | 420     |          |          |          | 12 G320-6391 | OS/V5,DOS/VSE          | 1 S H |
| >FULL            | GRAPHPAK FULL SCREEN INTERFACE           | 5796-PPH     |     | 65      |          |          |          | 12 G320-6642 | OS/V5,VM,VSAPL         | 1 S H |
| FULL             | VSPC FULL SCREEN EDITOR                  | 5798-CTG     |     | 240     |          |          |          | 12 GB21-2227 | DOS/V5,OS/V5,VS APL    | 1 S H |
| FULL             | 3270 FULL SCREEN TSO COBOL SUPPORT       | 5796-ATK     |     | 130     |          |          |          | 12 G320-6067 | OS/V52 (MVS)           | 1 S H |
| >FULL SCREEN CPS | S/1 3101 FULL SCREEN CPS                 | 5798-RFF     | P   | 282     |          |          |          | 01 GB30-1639 | SERIES/1               | 1 S H |
| FUNCTION         | APL FUNCTION EDITOR FOR VS APL           | 5796-PGY     |     | 98      |          |          |          | 12 G320-5689 | VSAPL                  | 1 S H |
| >FUNCTION        | CIPREC EXTENDED FUNCTION PACKAGE         | 5740-XC3/02  |     | 371     |          |          |          |              | GH19-1150              | 2 S B |
| >FUNCTION        | CIPREC EXTENDED FUNCTION PACKAGE         | 5746-XC3/02  |     | 316     |          |          |          |              | GH19-1150              | 2 S B |
| >FUNCTION        | CPS EXTENDED FUNCTION                    | 5799-TBQ     | R   | 3       |          |          |          | 24 GC34-1586 | SERIES/1               | 1 S C |
| FUNCTION         | DATA FACILITY / EXTENDED FUNCTION        | 5740-XYQ     |     | 103     | 77       | 50       | 80       | GC26-3960    | MVS/SP,5740-AM7        | 1 S K |
| FUNCTION         | FULL FUNCTION TELLER SYSTEM              | 5796-AZL     |     | 420     |          |          |          | 12 G320-6391 | OS/V5,DOS/VSE          | 1 S H |
| FUNCTION         | PROGRAM FUNCTION KEY SIMULATOR FOR SPF-2 | 5798-CTF     |     | 77      |          |          |          | 12 GB21-2225 | TSO SPF-II 5740-XT8    | 1 S H |
| FUNCTION         | PROGRAM FUNCTION KEY SIMULATOR SPF/CMS   | 5798-DBK     |     | 90      |          |          |          | 12 GB21-2556 | VM/CMS,5748XT3         | 1 S H |
| >FUNCTION        | 5224/5225 ADV PRINTER FUNCTION           | 5799-BFN     |     | 525     |          |          |          | 01 GC21-7922 | SYSTEM/34              | 1 S E |
| >FUNCTIONAL      | EDX MATH & FUNCTIONAL SUBROUTINE LIBRARY | 5719-LM3     | R   | 10      |          |          |          | GC34-0137    | SERIES/1               | 1 S C |
| >FUNCTIONAL      | MATH & FUNCTIONAL SUBROU LIBRARY (MESL)  | 5719-LM1     | R   | 9       |          |          |          | GC34-0138    | SERIES/1               | 1 S C |
| >FUNCTIONAL      | MATHEMATICAL AND FUNCTIONAL SUBROUTINE   | 5719-LM2     | R   | 10      |          |          |          | GC34-0138    | SERIES/1               | 1 S C |
| FUNCTIONS        | CONSOLIDATED FUNCTIONS ORDINARY VERS 2   | 5736-N13     |     | 380     |          |          |          | GH20-5006    | OS/DOS                 | 1 I C |
| FUNCTIONS        | DOS/V5 ADVANCED FUNCTIONS                | 5746-XE2     |     | 189     | 141      | 55       | 88       | GC33-6106    | DOS/V5                 | 1 S K |
| FUNCTIONS        | VSE ADVANCED FUNCTIONS                   | 5746-XE8     |     | 180     | 135      | 48       | 76       | GC33-6108    | DOS/VSE                | 1 S K |
| >FUND            | HEALTH, WELFARE, AND PENSION FUND (DISK) | 5702-N11     |     | 227     |          |          |          | GH20-1189    | SYSTEM/3               | 1 I C |
| >FUND            | HEALTH, WELFARE, AND PENSION FUND MOD 6  | 5703-N11     |     | 305     |          |          |          | GH20-1189    | SYSTEM/3               | 1 I B |
| FUNDAMENTALS     | CMS FUNDAMENTALS                         | 5798-DBB     |     | 200     |          |          |          | 12 GB21-2532 | IIS,IIPS               | 1 L H |
| >FUNDAMENTALS    | CMS FUNDAMENTALS II                      | 5798-DGJ     | P   | 120     |          |          |          | 12 GB21-2855 | IIS,IIPS               | 1 L H |
| FUNDAMENTALS     | FUNDAMENTALS OF BANKING COURSE           | 5798-DDH     |     | 125     |          |          |          | 12 GB21-2652 | IIS,IIPS               | 1 L H |
| GAAP             | STATUTORY GAAP VALUATION SYS             | 5796-AJR     |     | 1040    |          |          |          | 12 G320-5663 | DOS/V5                 | 1 I H |
| >GALLUP INDEPEND | S/32 ADVERT A/R & CIRCULATION            | 5796-NWG     |     | 603     |          |          |          | 12 GB30-1297 | SYSTEM/32              | 1 S H |
| >GALLUP INDEPEND | S/34 ADVERT A/R & CIRCULATION            | 5796-NXN     |     | 603     |          |          |          | 12 GB30-1297 | SYSTEM/34              | 1 S H |
| >GAM/SP          | GRAPHICS ACCESS METHOD / SYSTEM PRODUCT  | 5668-978     |     | 400     | 300      |          |          | GC33-0125    | VM/SP FOR 3250/2250    | 1 S L |
| >GAMES           | ARITHMETIC GAMES SET 1                   | 6024-024     |     | 60      |          |          |          | 01 GX20-2397 | IBM PERSONAL COMPUTR 0 | 5 H   |
| >GAMES           | ARITHMETIC GAMES SET 2                   | 6024-025     |     | 60      |          |          |          | 01 GX20-2397 | IBM PERSONAL COMPUTR 0 | 5 H   |
| GDDH             | GRAPHIC DATA DISPLAY MANAGER             | 5748-XXH/01  |     | 105     | 78       | 30       | 48       | GC33-0100    | TSO VM CICS IMS VSPC   | 1 S K |
| GDDH/PGF         | PRESENTATION GRAPHICS FEATURE            | 5748-XXH/02  |     | 126     | 94       | 30       | 48       | GC33-0100    | 5202-5209              | 1 S K |
| GE               | GE 415 COBOL TO ANS COBOL CONVERSION AID | 5798-ASY     |     | 275     |          |          |          | 12 GB21-0914 | DOS                    | 0 S H |
| >GENERAL LEDGER  | CONTR/SUBCONTR GENERAL LEDGER            | 5798-AJD     |     | 119     |          |          |          | 12 GB21-0523 | SYSTEM/3               | 1 I H |
| >GENERAL LEDGER  | DAKOTA HOSPITAL FINANCIAL SYS            | 5796-AAJ     |     | 189     |          |          |          | 12 G320-1402 | SYSTEM/3               | 1 I H |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------|--------------------------|-------------|
| >GENERAL LEDGER  | DEALER ACCT SYS - WESTLAND AUTO          | 5796-ABV     |     | 527     |          |          |          | 12         | G320-1423    | SYSTEM/3                 | 1 I H       |
| >GENERAL LEDGER  | FOX REAL ESTATE MANAGEMENT               | 5793-AAA     |     | 5520    |          |          |          | 01         | GB30-1415    | 5120 SYSTEM              | 1 S H       |
| >GENERAL LEDGER  | G/L FOR DIRECTLY ATTACHED 3741           | 5798-NDF     |     | 98      |          |          |          | 12         | GB30-0719    | SYSTEM/3                 | 1 S H       |
| >GENERAL LEDGER  | GENL LEDGER/FINANCIAC ACCTG              | 5798-AZE     |     | 68      |          |          |          | 12         | GB21-1159    | SYSTEM/3                 | 1 I H       |
| >GENERAL LEDGER  | JOINT INT G/L ACCTG FOR OIL/GAS          | 5798-NQW     |     | 546     |          |          |          | 12         | GB30-1191    | SYSTEM/32                | 1 S H       |
| >GENERAL LEDGER  | ONLINE GENERAL LEDGER/FINANCIAC          | 5798-NHH     |     | 166     |          |          |          | 12         | GB30-0846    | SYSTEM/3                 | 1 S H       |
| >GENERAL LEDGER  | S/23 CONSTR INFO - GEN LEDG              | 5796-ZAT     |     | 1550    |          |          |          | 01         | GB30-1728    | SYS/23 DATAMASTER        | 1 I H       |
| >GENERAL LEDGER  | S/23 JOB SHOP CONTROL - G/L              | 5796-ZAN     |     | 1200    |          |          |          | 01         | GB30-1714    | SYS/23 DATAMASTER        | 1 I H       |
| >GENERAL LEDGER  | S/34 G/L & FINAN ACCTG SYS               | 5798-RFW     |     | 150     |          |          |          | 12         | GB30-1673    | SYSTEM/34                | 1 S H       |
| >GENERAL LEDGER  | 5110 GENERAL LEDGER                      | 5798-NPH     |     | 86      |          |          |          | 12         | GB30-1113    | 5120 SYSTEM              | 1 S H       |
| >GENERAL LEDGER  | 5110 HOME BLDRS HGMT SYS                 | 5796-ZAB     |     | 6900    |          |          |          | 01         | GB30-1521    | 5120 SYSTEM              | 1 S H       |
| >GENERAL LEDGER  | 5120 CONSTRUCT INFO SYS - G/L            | 5796-ZAF     |     | 2025    |          |          |          | 01         | GB30-1534    | 5120 SYSTEM              | 1 S H       |
| >GENERAL LEDGER  | 5120 JOB SHOP SYS - G/L                  | 5796-RCF     |     | 132     |          |          |          | 12         | GB30-1523    | 5120 SYSTEM              | 1 S H       |
| GENERATED        | COMPUTER GENERATED CORRESPONDENCE        | 5796-AER     |     | 585     |          |          |          | 12         | G320-8094    | DOS/VS,OS/VS,CICS        | 1 I H       |
| >GENERATION      | ACF NETWORK GENERATION AID               | 5798-DFP     |     | 950     |          |          |          | 01         | GB21-2809    | OS/VS,DOS/VSE            | 1 S H       |
| GENERATION       | AUTOMATIC PASSWORD GENERATION FOR TSO    | 5796-PFR     |     | 80      |          |          |          | 12         | G320-5653    | OS/V52 (TSO)             | 1 S H       |
| GENERATION       | DMS/CICS APPLICATION GENERATION FEATURE  | 5740-XC5/02  |     | 366     | 274      | 40       | 64       |            | GH20-2195    | 6127-6128                | 1 S K       |
| GENERATION       | DMS/CICS APPLICATION GENERATION FEATURE  | 5746-XC4/02  |     | 208     | 156      | 40       | 64       |            | GH20-2195    | 6080-6086                | 1 S K       |
| GENERATION       | VTAM CONFIGURATION AND GENERATION AID    | 5798-CTL     |     | 250     |          |          |          | 06         | GB21-2233    | DOS/VS                   | 0 I H       |
| GENERATION       | 3644 PARAMETER TABLE GENERATION FACILITY | 5668-998     |     | 63      | 47       | 6        | 10       |            | GC31-0009    | DOS/VSE,OS/V51           | 1 S K       |
| >GENERATION      | 8100 FORM LETTER GENERATION SYSTEM       | 5798-DHY     |     | 1120    |          |          |          | 01         | GB21-2931    | DPCX                     | 1 S H       |
| >GENERATOR       | BRADS II GRAPH GENERATOR                 | 5721-DCB     |     | 632     |          |          |          | 01         | GH30-2521    | 5120 SYSTEM              | 1 S C       |
| >GENERATOR       | BRADS II SPREAD SHEET GENERATOR          | 5721-XB7     |     | 58      |          |          |          | 12         | GB30-1412    | 5120 SYSTEM              | 1 S C       |
| GENERATOR        | DPPX 3644 PARAMETER TABLE GENERATOR      | 5760-EDI     |     | 24      | 18       | 6        | 10       |            | GC24-5179    | DPPX                     | 1 S K       |
| GENERATOR        | GENERAL CROSS ASSEMBLER GENERATOR        | 5796-PK0     |     | 550     |          |          |          | 12         | G320-5824    | APLSV, VSAPL             | 1 S H       |
| GENERATOR        | HDAM RANDOMIZER GENERATOR EXTENSIONS     | 5798-CXN     |     | 95      |          |          |          | 12         | GB21-2347    | 5798-CQG OS/VS           | 1 I H       |
| GENERATOR        | HDAM SEQUENTIAL RANDOM GENERATOR         | 5798-CQG     |     | 176     |          |          |          | 12         | GB21-2126    | OS/V52                   | 0 I H       |
| GENERATOR        | IBM 3741 REPORT GENERATOR                | 5796-ARC     |     | 100     |          |          |          | 12         | G320-5823    |                          | 1 S H       |
| GENERATOR        | MATRIX GENERATOR REPORT WRITER FOR MPSX  | 5734-XMC     |     | 509     |          |          |          |            | GH19-5012    | OS/MFT/MVT               | 1 I B       |
| GENERATOR        | ROUTING TABLE GENERATOR FOR ACF NETWORKS | 5798-DFL     |     | 65      |          |          |          |            | GB21-2805    | OS/VS                    | 1 S E       |
| GENERATOR        | SORT PATTERN GENERATOR                   | 5798-CAH     |     | 216     |          |          |          | 12         | GB21-1410    | OS/V51                   | 1 S H       |
| GENERATOR        | STAIRS/VS THESAURUS GENERATOR - TLS      | 5799-AQL     |     | 175     |          |          |          |            | GH20-1908    | OS/V51,OS/V52            | 1 S C       |
| GENERATOR        | TPNS SCRIPT GENERATOR PRODUCTIVITY AID   | 5798-CPZ     |     | 180     |          |          |          | 12         | GB21-2106    | 5740-XT4                 | 1 I H       |
| GENERATOR        | 3760 DYNAMIC BTP GENERATOR SYSTEM        | 5796-ANF     |     | 65      |          |          |          | 12         | G320-5724    | OS/V51,SVS,MVS           | 1 S H       |
| >GENERIC SUBSTIT | S/1 EDX CHAIN PHARMACY SYS               | 5798-RGD     | P   | 2200    |          |          |          | 01         | GB30-1699    | SERIES/1                 | 1 S H       |
| >GENL CONTRACTOR | S/34 CONSTRUCTION EST - GEN CONT         | 5796-NXF     |     | 517     |          |          |          | 12         | GB30-1355    | SYSTEM/34                | 1 S H       |
| GEN3644          | DPPX 3644 PARAMETER TABLE GENERATOR      | 5760-EDI     |     | 24      | 18       | 6        | 10       |            | GC24-5179    | DPPX                     | 1 S K       |
| GEN3644          | 3644 PARAMETER TABLE GENERATION FACILITY | 5668-998     |     | 63      | 47       | 6        | 10       |            | GC31-0009    | DOS/VSE,OS/V51           | 1 S K       |
| GEO-FACILITIES   | GEO-FACILITIES DATA BASE SUPPORT         | 5799-BEB     |     | 1725    |          |          |          | 36         | GH20-2482    | IMS,5799-AYB             | 2 S B       |
| GEO-FACILITIES   | INTERACTIVE GEO-FACILITIES GRAPHICS TGG5 | 5799-AYB     |     | 702     |          |          |          | 24         | GH20-2152    | TSO,VM & 5799-AXX        | 2 S E       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #     | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|------------------------------|-------------|
| GEOMETRY         | APL COORDINATE GEOMETRY SYSTEM           | 5798-AGF     |     | 176     |          |          |          | 12         | GB21-0399 APLSV,APL/CMS      | 1 I H       |
| GEOMETRY         | GEOMETRY INTERFACE MODULE                | 5796-ATJ     | R   | 342     | 195      |          |          |            | G320-6063 OS/V5,VM/CMS       | 1 S E       |
| GEOMETRY         | NUMERICAL GEOMETRY SYSTEM - BASIC        | 5785-EAH     |     | 1400    |          |          |          | 24         | GB21-2608 MVS                | 1 S H       |
| GEOMETRY         | NUMERICAL GEOMETRY SYSTEM - ADVANCED     | 5785-EAJ     |     | 1200    |          |          |          | 24         | GB21-2608 5785-EAH           | 1 S H       |
| GEOMETRY         | NUMERICAL GEOMETRY SYSTEM APT-AC BRIDGE  | 5785-EAN     |     | 300     |          |          |          | 24         | GB21-2608 5785-EAH           | 1 S H       |
| >GEOMETRY        | POLYHEDRAL SOLID GEOMETRY                | 5796-PQJ     |     | 420     | 300      |          |          |            | G320-6650 OS/V5              | 1 S E       |
| >GEOMETRY        | WIRE FRAME GEOMETRY                      | 5796-PQG     |     | 1420    | 1000     |          |          |            | G320-6650 OS/V5              | 1 S E       |
| GEOMETRY         | 3D MESH GEOMETRY MODULE                  | 5796-AWR     | R   | 428     | 244      |          |          |            | G320-6063 OS/V5,VM/CMS       | 0 S H       |
| GEOMETRY         | 3D SURFACE GEOMETRY MODULE               | 5796-AWT     | R   | 201     | 115      |          |          |            | G320-6063 OS/V5,VM/CMS       | 0 S H       |
| >GERHARDT'S INC  | S/34 DISTRIB & SERVICE MGMT SYS          | 5796-RBK     |     | 747     |          |          |          | 12         | GB30-1501 SYSTEM/34          | 1 S H       |
| >GILSTRAP DRUG   | RETAIL PHARMACY SYSTEM                   | 5796-NLC     |     | 287     |          |          |          | 12         | GB30-1000 SYSTEM/32          | 1 S H       |
| GIS              | GENERALIZED INFORMATION SYSTEM - GIS     | 5799-ALX     |     | 589     |          |          |          |            | GH19-0082 DOS/V5,DL/I        | 1 S B       |
| GIS/V5           | GENERALIZED INFORMATION SYSTEM - VS      | 5740-XX7/01  |     | 1165    | 873      | 73       | 117      |            | GH20-9035 OS/V5              | 2 S K       |
| GIS/V5           | GIS/V5 ADVANCED QUERY FEATURE            | 5740-XX7/02  |     | 363     | 272      | 23       | 37       |            | GH20-9035 6012-6014          | 2 S K       |
| GIS/V5           | GIS/V5 UPDATE & CREATE FEATURE           | 5740-XX7/03  |     | 767     | 575      | 47       | 75       |            | GH20-9035 6015-6017          | 2 S K       |
| GIS/V5           | GIS/V5 MODIFY FEATURE                    | 5740-XX7/04  |     | 181     | 135      | 11       | 18       |            | GH20-9035 6018-6020          | 2 S K       |
| GIS/V5           | GIS/V5 3270 FORMATTING AID               | 5798-CQN     |     | 110     |          |          |          | 12         | GB21-2137 GIS/V5 WITH AQF    | 1 S H       |
| >GLAPPR FOR FARM | S/23 FARM MGMT ACCTG SYSTEM              | 5796-ZAY     |     | 3000    |          |          |          | 01         | GB30-1777 SYS/23 DATAMASTER  | 1 I H       |
| GLOBAL           | GLOBAL SHARED ACCESS METHOD              | 5796-ATX     |     | 300     |          |          |          | 24         | G320-6083 OS/V52, S U7       | 1 S H       |
| GO               | CODE AND GO FORTRAN                      | 5734-F01     |     | 302     |          |          |          |            | GC28-6884 OS/TSO/CMS         | 1 S C       |
| GOLD             | GRAPHIC ONLINE DIAGRAM DISPLAY           | 5798-CWX     |     | 900     |          |          |          | 24         | G320-6059 MVS/TSO VM/CMS     | 1 S H       |
| >GOODIMADE       | APPAREL ORDER ENTRY & CONTROL            | 5796-NQP     |     | 575     |          |          |          | 12         | GB30-1178 SYSTEM/32          | 1 S H       |
| >GOODIMADE       | APPAREL ACCOUNTS RECEIVABLE              | 5796-NRZ     |     | 195     |          |          |          | 12         | GB30-1178 SYSTEM/32          | 1 S H       |
| >GOODIMADE       | APPAREL ORDER ALLOCATION                 | 5796-NTA     |     | 195     |          |          |          | 12         | GB30-1178 SYSTEM/32          | 1 S H       |
| >GOODIMADE       | S/34 APPAREL BUS SYS - OE & C            | 5796-RAC     |     | 862     |          |          |          | 12         | GB30-1457 SYSTEM/34          | 1 S H       |
| >GOODIMADE       | S/34 APPAREL BUS SYS - A/R               | 5796-RAD     |     | 287     |          |          |          | 12         | GB30-1457 SYSTEM/34          | 1 S H       |
| >GOODIMADE       | S/34 APPAREL BUS SYS - OA                | 5796-RAE     |     | 258     |          |          |          | 12         | GB30-1457 SYSTEM/34          | 1 S H       |
| >GOODIMADE       | S/34 APPAREL BUS SYS - P/R               | 5796-RAJ     |     | 299     |          |          |          | 12         | GB30-1457 SYSTEM/34          | 1 S H       |
| >GOODIMADE       | S/34 APPAREL BUS SYS - G-T-N P/R         | 5796-RAK     |     | 299     |          |          |          | 12         | GB30-1457 SYSTEM/34          | 1 S H       |
| GOODS            | CONSUMER GOODS SYSTEM - ALLOCATION       | 5734-D32     |     | 165     |          |          |          |            | GH20-4410 OS/MFT/HVT/VS1/VS2 | 1 I C       |
| GOODS            | CONSUMER GOODS SYSTEM - FORECASTING      | 5734-D33     |     | 220     |          |          |          |            | GH20-4409 OS/MFT/HVT/VS1/VS2 | 1 I C       |
| GOODS            | CONSUMER GOODS SYSTEM - ALLOCATION DOS   | 5736-D31     |     | 165     |          |          |          |            | GH20-0721 DOS, DOS/V5        | 1 I C       |
| GOODS            | CONSUMER GOODS SYSTEM - FORECASTING DOS  | 5736-D32     |     | 220     |          |          |          |            | GH20-0722 DOS, DOS/V5        | 1 I C       |
| >GOVERNMENT      | ENHANCEMENTS TO PUB BUDG/FIN REP         | 5798-NKF     |     | 81      |          |          |          | 12         | GB30-0956 SYSTEM/3           | 1 S H       |
| GOVERNMENT       | GOVERNMENT REPORTING / TRACKING FEATURE  | 5740-AM4/02  |     | 278     |          |          |          |            | GH20-2151 6125-6126          | 2 S B       |
| GOVERNMENT       | GOVERNMENT REPORTING & BENEFITS TRACKING | 5746-AM1/02  |     | 208     |          |          |          |            | GH20-2151 6080-6081          | 2 S B       |
| >GOVERNMENT      | PUBLIC BUDGETING & FINANCIAL REP         | 5798-NFC     |     | 379     |          |          |          | 12         | GB30-0956 SYSTEM/3           | 1 S H       |
| GPAP             | GENERAL PERFORMANCE ANALYSIS REPORTING   | 5798-CPR     |     | 64      |          |          |          |            | GB21-2091 OS/V51, MVS, SVS   | 1 I E       |
| GPAP/DOS         | GENERALIZED PERFORMANCE ANALYSIS REPORT  | 5798-DA4     |     | 46      |          |          |          |            | GB21-2491 DOS/V5E            | 1 S E       |
| >GPAX            | S/1 GENL PURP AUTO EXEC (GPAX)           | 5798-RCZ     | P   | 250     |          |          |          | 24         | GB30-1565 SERIES/1           | 1 S H       |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| GPSS             | PL/I GENERAL PURPOSE SIMULATION SYSTEM   | 5796-PNN     |     | 149     |          |          |          | 24         | G320-6398 VM/CMS,MVS           | 1 S H       |
| GPSS V           | GENERAL PURPOSE SIMULATION SYSTEM V OS   | 5734-XS2     |     | 63      |          |          |          |            | GH20-0825 OS,OS/VS             | 1 I C       |
| GPSS V           | GENERAL PURPOSE SIMULATION SYSTEM V DOS  | 5736-XS3     |     | 63      |          |          |          |            | GH20-0826 DOS,DOS/VS           | 1 I C       |
| GPSS-APL         | GENERAL PURPOSE SIMULATION SYSTEM VSAPL  | 5796-PJG     |     | 90      |          |          |          | 24         | G320-5745 5748-AP1             | 1 I H       |
| >GRADUATE HOSPIT | HOSPITAL REVENUE MGMT - PHIL. GR         | 5796-AEA     |     | 155     |          |          |          | 12         | G320-8079 SYSTEM/3             | 1 I H       |
| >GRAPH           | BRADS II GRAPH GENERATOR                 | 5721-DC8     |     | 632     |          |          |          | 01         | GH30-2521 5120 SVSTEM          | 1 S C       |
| >GRAPHIC         | BASIC INTERACTIVE GRAPHIC APPL MONITOR   | 5785-DCJ     |     | 485     |          |          |          | 12         | G320-6659 BGSS 5785-DCK        | 1 S H       |
| >GRAPHIC         | BASIC GRAPHIC SUPPORT SYSTEM             | 5785-DCK     |     | 310     |          |          |          | 12         | G320-6659 VM,VSAPL             | 1 S H       |
| GRAPHIC          | GRAPHIC DATA DISPLAY MANAGER             | 5748-XXH/01  |     | 105     | 78       | 30       | 48       |            | GC33-0100 TSD VM CICS IMS VSPC | 1 S K       |
| GRAPHIC          | GRAPHIC TRAINING AID                     | 5796-AYJ     |     | 650     |          |          |          | 12         | G320-6336 VS1                  | 1 S H       |
| GRAPHIC          | GRAPHIC ONLINE DIAGRAM DISPLAY           | 5798-CWX     |     | 900     |          |          |          | 24         | G320-6059 MVS/TSD VM/CMS       | 1 S H       |
| >GRAPHIC         | VM/SP GRAPHIC SUBROUTINE PACKAGE         | 5796-PPR     |     | 80      |          |          |          | 24         | G320-6657 VM/SP                | 1 S H       |
| GRAPHICAL        | GRAPHICAL DISPLAYS - CICS/VS             | 5798-CPJ     |     | 115     |          |          |          | 12         | GB21-2076 DOS/VS OS/VS         | 1 S H       |
| GRAPHICAL        | SMF GRAPHICAL ANALYSIS PROGRAM           | 5796-AFP     |     | 200     |          |          |          | 12         | G320-8127 VS1,VS2,MFT,MVT      | 1 I H       |
| >GRAPHICS        | ADRS II BUSINESS GRAPHICS FEATURE        | 5796-PLN/03  |     | 85      |          |          |          |            | G320-6668 VSAPL                | 1 I E       |
| >GRAPHICS        | DIGITAL INTERACTIVE GRAPHICS / MAPPING   | 5668-959     |     | 600     |          |          |          |            | GH20-5508 5799-AYB             | 1 S B       |
| >GRAPHICS        | GRAPHICS ACCESS METHOD / SYSTEM PRODUCT  | 5668-978     |     | 400     | 300      |          |          |            | GC33-0125 VM/SP FOR 3250/2250  | 1 S L       |
| GRAPHICS         | GRAPHICS FEATURE FOR CSMP II             | 5734-XS9/02  |     | 385     |          |          |          |            | GH19-7000 6065-6067            | 1 I C       |
| GRAPHICS         | INTERACTIVE GEO-FACILITIES GRAPHICS IGGS | 5799-AYB     |     | 702     |          |          |          | 24         | GH20-2152 TSD,VM & 5799-AXX    | 2 S E       |
| GRAPHICS         | PRESENTATION GRAPHICS FEATURE            | 5748-XXH/02  |     | 126     | 94       | 30       | 48       |            | GC33-0100 5202-5209            | 1 S K       |
| GRAPHICS         | TREND ANALYSIS - GRAPHICS & DATA BASE    | 5740-XYT     |     | 431     |          |          |          |            | GH20-2445 CICS/OS/VS,3279      | 2 S B       |
| GRAPHICS         | 3277 APL GRAPHICS ATTACHMENT SUPPORT     | 5799-AXW     |     | 84      |          |          |          |            | GH20-2146 VSAPL:CMS,TSD,VSPC   | 1 S E       |
| GRAPHICS         | 3277 GRAPHICS ATTACHMENT STORAGE TUBE    | 5798-DAG     |     | 51      |          |          |          | 12         | GB21-2503 MVS/TSD VM/CMS       | 1 S H       |
| GRAPHICS         | 3277 GRAPHICS ATTACHMENT PLOTTER TABLET  | 5798-DCE     |     | 47      |          |          |          | 12         | GB21-2598 TSD,VM & 5799-AXX/-W | 1 S H       |
| GRAPHICS         | 3277 GRAPHICS ATTACHMENT SUPPORT         | 5799-AXX     |     | 84      |          |          |          |            | GH20-2147 VM/CMS,MVS/TSD       | 1 S E       |
| GRAPHING         | BUSINESS GRAPHING ON THE IBM 3800        | 5798-CRB     |     | 191     |          |          |          | 12         | GB21-2167 OS/VS                | 1 S H       |
| >GRAPHING        | S/34 GRAPHING SYSTEM                     | 5798-NMQ     |     | 69      |          |          |          | 06         | GB30-1315 SYSTEM/34            | 1 S H       |
| >GRAPHPAK        | GRAPHPAK FULL SCREEN INTERFACE           | 5796-PPH     |     | 65      |          |          |          | 12         | G320-6642 OS/VS,VM,VSAPL       | 1 S H       |
| GRAPHS           | GRAPHS AND HISTOGRAMS IN APL             | 5798-AGL     |     | 83      |          |          |          | 12         | GB21-0214 APLSV,APL/CMS        | 1 I H       |
| >GRISMOLD'S INN  | HOTEL FRONT OFFICE MGMT SYS              | 5796-NLF     |     | 632     |          |          |          | 12         | GB30-1020 SYSTEM/32            | 1 I H       |
| >GROSS-TO-NET    | S/34 APPAREL BUS SYS - G-T-N P/R         | 5796-RAK     |     | 299     |          |          |          | 12         | GB30-1457 SYSTEM/34            | 1 S H       |
| >GROUP           | GROUP LIFE MANAGEMENT SYSTEM             | 5796-PQF     | P   | 655     |          |          |          | 24         | G320-6648 VM,DOS/VSE           | 1 S H       |
| >GROUP           | MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | 5725-H15     |     | 163     |          |          |          |            | GH30-0310 SYSTEM/32            | 1 I C       |
| >GROUP           | MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | 5726-H15     |     | 163     |          |          |          |            | GH30-0228 SYSTEM/34            | 1 I C       |
| >GROUP           | MEDICAL GROUP MGMT SYSTEM II CLINICS     | 5726-H16     |     | 260     | 195      |          |          |            | GH30-0228 SYSTEM/34            | 1 I D       |
| GSAM             | GLOBAL SHARED ACCESS METHOD              | 5796-ATX     |     | 300     |          |          |          | 24         | G320-6083 OS/VS2, SU7          | 1 S H       |
| GTFPARS          | GENERALIZED TRACE FACILITY ANALYSIS      | 5798-CQQ     |     | 72      |          |          |          |            | GB21-2142 OS/VS, 5798-CPR      | 1 I E       |
| GUIDANCE         | CAREER GUIDANCE SYSTEM: SECONDARY SCHOOL | 5796-AYB     |     | 250     |          |          |          | 24         | G320-6176 5796-AYA             | 1 S H       |
| GUIDANCE         | CAREER GUIDANCE SYSTEM: ADULTS / COLLEGE | 5796-AYC     |     | 250     |          |          |          | 24         | G320-6176 5796-AYA             | 1 S H       |
| GUIDANCE         | DISCOVER: CAREER GUIDANCE SYSTEM - BASE  | 5796-AYA     |     | 750     |          |          |          | 24         | G320-6176 DOS/VSE VS1          | 1 S H       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE # | T                    | I | S |   |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------|----------------------|---|---|---|
|                  |  |              |     |         |          |          |          |            |                          | P                    | L | V |   |
| GUIDE            | CPCS INSTALLED USER EDUCATIONAL GUIDE    | 5796-001     |     | 2700    |          |          |          | 01         | G320-5807                | DOCUMENTATION MATLS  | 0 | 5 | H |
| GUIDE            | DOS DATA BASE GUIDE & SPACE ESTIMATES    | 5798-DFJ     |     | 35      |          |          |          | 12         | GB21-2798                | DOS/VS,DOS/VSE       | 1 | 5 | H |
| >GWINNETT COUNTY | HOSP. PAYROLL/PERSONNEL - GWINNE         | 5796-AEH     |     | 117     |          |          |          | 12         | G320-8080                | SYSTEM/3             | 1 | 1 | H |
| HANDBOOK         | APL HANDBOOK OF TECHNIQUES WORKSPACE     | 5796-PLP     |     | 175     |          |          |          | 01         | G320-6153                | VS APL(5748AP1)      | 0 | 1 | H |
| HARDCOPY         | HARDCOPY MODULE                          | 5796-ATD     | R   | 493     | 281      |          |          |            | G320-6063                | OS/VS,VM/CMS         | 1 | 5 | E |
| HASP             | HASP SUPPORT FOR 3800                    | 5799-ATQ     |     | 525     |          |          |          |            | GH20-4493                | OS/MVT               | 1 | 5 | C |
| HASP-JES2        | HASP-JES2 SPOOL TRANSFER PROGRAM         | 5798-CKJ     |     | 480     |          |          |          | 06         | GB21-1903                | OS/MFT/MVT/SVS/MVS   | 0 | 1 | H |
| HCF              | DPPX DPCX HOST COMMAND FACILITY          | 5735-XR1     |     | 97      | 72       | 27       | 43       |            | GC27-0453                | OS/VS,DOS/VS         | 1 | 5 | K |
| >HCF-V2          | HOST COMMAND FACILITY DPPX DPCX          | 5668-985     |     | 150     | 112      | 30       | 48       |            | GC27-0453                | DOS/VSE,OS/VS        | 1 | 5 | K |
| HCS              | ACCOUNTING APPLICATION PROGRAM FEATURE   | 5746-H14/Q2  |     | 231     |          |          |          |            | GH20-1179                | 6001-6003            | 2 | 1 | C |
| HCS              | HEALTH CARE SUPPORT ACCOUNTING SYSTEM    | 5746-H14/01  |     | 109     |          |          |          |            | GH20-1179                | DOS/VS               | 2 | 1 | C |
| HCS              | HEALTH CARE: PATIENT CARE SYSTEM DL/I    | 5796-ANY     |     | 2900    |          |          |          | 24         | G320-5756                | CICS/OS/VS,IMS/VS    | 2 | 5 | H |
| HCS              | HEALTH CARE: DL/I PATIENT CARE           | 5796-ATZ     |     | 2900    |          |          |          | 24         | G320-5756                | DOS/VS               | 2 | 5 | H |
| HCS              | HEALTH CARE: UTILIZATION REVIEW SYSTEM   | 5796-AWN     |     | 700     |          |          |          | 24         | G320-6157                | DOS/VS, DL/I         | 1 | 5 | H |
| HCS              | HEALTH CARE: PATIENT DATA MANAGER        | 5796-AYQ     |     | 225     |          |          |          | 12         | G320-6343                | DOS/VS,OS/VS         | 1 | 5 | H |
| HCS              | HEALTH CARE: PATIENT DATA EDITING        | 5796-AYR     |     | 210     |          |          |          | 12         | G320-6344                | DOS/VS,OS/VS         | 1 | 5 | H |
| HCS              | HEALTH CARE: ADMISSIONS SYSTEM           | 5798-ASZ     |     | 225     |          |          |          | 12         | GB21-0935                | DOS CICS             | 1 | 1 | H |
| HCS              | HEALTH CARE: REVENUE MANAGEMENT SYSTEM   | 5798-BDG     |     | 212     |          |          |          | 12         | GB21-1345                | DOS/VS               | 1 | 1 | H |
| HCS              | HEALTH CARE: DL/I PATIENT APPOINTMENTS   | 5798-CCA     |     | 830     |          |          |          | 12         | GB21-1468                | DOS/VS DL/I CICS/VS  | 1 | 1 | H |
| HCS              | HEALTH CARE: DL/I PATIENT REGISTRATION   | 5798-CGE     |     | 315     |          |          |          | 12         | GB21-1729                | OS/VS                | 1 | 1 | H |
| HCS              | HEALTH CARE: DL/I ADMISSIONS SYSTEM      | 5798-CGF     |     | 315     |          |          |          | 12         | GB21-1732                | OS/VS                | 1 | 1 | H |
| HCS              | HOSPITAL CARE: PATIENT REGISTRATION      | 5798-CCB     |     | 364     |          |          |          | 12         | GB21-1471                | DOS/VS DL/I CICS/VS  | 1 | 1 | H |
| HCS              | HOSPITAL CARE: ADMISSION SYSTEM          | 5798-CCC     |     | 469     |          |          |          | 12         | GB21-1474                | DOS/VS DL/I CICS/VS  | 1 | 1 | H |
| HDMAM            | HDMAM RANDOMIZER GENERATOR EXTENSIONS    | 5798-CXN     |     | 95      |          |          |          | 12         | GB21-2347                | 5798-CQG OS/VS       | 1 | 1 | H |
| HDMAM            | HDMAM SEQUENTIAL RANDOM GENERATOR        | 5798-CQG     |     | 176     |          |          |          | 12         | GB21-2126                | OS/VS2               | 0 | 1 | H |
| HDMAM            | IMS/VS HDMAM RANDOMIZING ALGORITHM       | 5796-AJL     |     | 945     |          |          |          | 01         | G320-8157                | OS/VS,IMS/VS,IMS/360 | 1 | 5 | H |
| >HEALTH          | DAKOTA HOSPITAL FINANCIAL SYS            | 5796-AAJ     |     | 189     |          |          |          | 12         | G320-1402                | SYSTEM/3             | 1 | 1 | H |
| >HEALTH          | DEACONESS HOSP--ONLINE ADMISSION         | 5796-NJB     |     | 322     |          |          |          | 12         | GB30-0889                | SYSTEM/3             | 1 | 1 | H |
| >HEALTH          | DRUID CITY--PSRD HOSP UTILIZATN          | 5796-NBE     |     | 172     |          |          |          | 12         | GB30-0592                | SYSTEM/3             | 1 | 1 | H |
| >HEALTH          | HEALTH, WELFARE, AND PENSION FUND (DISK) | 5702-N11     |     | 227     |          |          |          |            | GH20-1189                | SYSTEM/3             | 1 | 1 | C |
| >HEALTH          | HEALTH, WELFARE, AND PENSION FUND MOD 6  | 5703-N11     |     | 305     |          |          |          |            | GH20-1189                | SYSTEM/3             | 1 | 1 | B |
| HEALTH           | HEALTH CARE SUPPORT ACCOUNTING SYSTEM    | 5746-H14/01  |     | 109     |          |          |          |            | GH20-1179                | DOS/VS               | 2 | 1 | C |
| HEALTH           | HEALTH CARE: PATIENT CARE SYSTEM DL/I    | 5796-ANY     |     | 2900    |          |          |          | 24         | G320-5756                | CICS/OS/VS,IMS/VS    | 2 | 5 | H |
| HEALTH           | HEALTH CARE: DL/I PATIENT CARE           | 5796-ATZ     |     | 2900    |          |          |          | 24         | G320-5756                | DOS/VS               | 2 | 5 | H |
| HEALTH           | HEALTH CARE: UTILIZATION REVIEW SYSTEM   | 5796-AWN     |     | 700     |          |          |          | 24         | G320-6157                | DOS/VS, DL/I         | 1 | 5 | H |
| HEALTH           | HEALTH CARE: PATIENT DATA MANAGER        | 5796-AYQ     |     | 225     |          |          |          | 12         | G320-6343                | DOS/VS,OS/VS         | 1 | 5 | H |
| HEALTH           | HEALTH CARE: PATIENT DATA EDITING        | 5796-AYR     |     | 210     |          |          |          | 12         | G320-6344                | DOS/VS,OS/VS         | 1 | 5 | H |
| HEALTH           | HEALTH CARE: ADMISSIONS SYSTEM           | 5798-ASZ     |     | 225     |          |          |          | 12         | GB21-0935                | DOS CICS             | 1 | 1 | H |
| HEALTH           | HEALTH CARE: REVENUE MANAGEMENT SYSTEM   | 5798-BDG     |     | 212     |          |          |          | 12         | GB21-1345                | DOS/VS               | 1 | 1 | H |
| HEALTH           | HEALTH CARE: DL/I PATIENT APPOINTMENTS   | 5798-CCA     |     | 830     |          |          |          | 12         | GB21-1468                | DOS/VS DL/I CICS/VS  | 1 | 1 | H |

| KEYWORD            | PROGRAM INFORMATION                      | ORDER NUMBER | T | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--------------------|--|--------------|---|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| HEALTH             | HEALTH CARE: DL/I PATIENT REGISTRATION   | 5798-CGE     |   | 315     |          |          |          | 12 GB21-1729    | OS/V5                    | 1 I H       |
| HEALTH             | HEALTH CARE: DL/I ADMISSIONS SYSTEM      | 5798-CGF     |   | 315     |          |          |          | 12 GB21-1732    | OS/V5                    | 1 I H       |
| >HEALTH            | HOSP. PAYROLL/PERSONNEL - GWINNE         | 5796-AEH     |   | 117     |          |          |          | 12 G320-8080    | SYSTEM/3                 | 1 I H       |
| >HEALTH            | HOSPITAL REVENUE MGMT - PHIL. GR         | 5796-AEA     |   | 155     |          |          |          | 12 G320-8079    | SYSTEM/3                 | 1 I H       |
| >HEALTH            | HOSPITAL INVENTORY-ARNOT-OGDEN           | 5796-AEL     |   | 93      |          |          |          | 12 G320-8091    | SYSTEM/3                 | 1 I H       |
| >HEALTH            | O/L MED RECORDS SYS - 12/15/15D          | 5796-NRB     |   | 288     |          |          |          | 12 GB30-1198    | SYSTEM/3                 | 1 S H       |
| >HEALTH MGMT-DAI   | S/23 DAIRY HERD/HEALTH MGMT SYS          | 5796-ZAX     |   | 2000    |          |          |          | 01 GB30-1780    | SVS/23 DATAMASTER        | 1 I H       |
| >HEAVY EQUIPMENT   | HVY EQUIP DLR PARTS OE/INV STAT          | 5796-NWZ     |   | 575     |          |          |          | 12 GB30-1322    | SERIES/1                 | 1 S H       |
| >HEAVY EQUIPMENT   | S/1 AUTO DEALER SYSTEM                   | 5796-RFG     |   | 730     |          |          |          | 24 GB30-1723    | SERIES/1                 | 1 S H       |
| >HEIFER MANAGEMENT | S/23 DAIRY HERD/HEALTH MGMT SYS          | 5796-ZAX     |   | 2000    |          |          |          | 01 GB30-1780    | SVS/23 DATAMASTER        | 1 I H       |
| >HERD MANAGEMENT   | S/23 DAIRY HERD/HEALTH MGMT SYS          | 5796-ZAX     |   | 2000    |          |          |          | 01 GB30-1780    | SVS/23 DATAMASTER        | 1 I H       |
| >HFMS              | ACCOUNTS RECEIVABLE HOSPITAL             | 5725-H12     |   | 31      |          |          |          | GH30-0450       | SYSTEM/32                | 1 I C       |
| >HFMS              | ACCOUNTS RECEIVABLE HOSPITAL             | 5726-H12     |   | 51      |          |          |          | GH30-0405       | SYSTEM/34                | 1 I D       |
| >HFMS              | GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | 5725-H14     |   | 48      |          |          |          | GH30-0451       | SYSTEM/32                | 1 I C       |
| >HFMS              | GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | 5726-H14     |   | 79      |          |          |          | GH30-0407       | SYSTEM/34                | 1 I D       |
| >HFMS              | PATIENT BILLING HOSPITAL                 | 5725-H11     |   | 37      |          |          |          | GH30-0449       | SYSTEM/32                | 1 I C       |
| >HFMS              | PATIENT BILLING HOSPITAL                 | 5726-H11     |   | 60      |          |          |          | GH30-0404       | SYSTEM/34                | 1 I D       |
| >HFMS              | PAYROLL HOSPITAL                         | 5725-H13     |   | 87      |          |          |          | GH30-0008       | SYSTEM/32                | 1 I C       |
| >HFMS              | PAYROLL HOSPITAL                         | 5726-H13     |   | 100     |          |          |          | GH30-0406       | SYSTEM/34                | 1 I D       |
| >HFMS/34           | S/34 O/L HOSP FILE MAINT SYSTEM          | 5798-RBX     |   | 120     |          |          |          | 06 GB30-1514    | SYSTEM/34                | 1 S H       |
| HIERARCHICAL       | HIERARCHICAL MONITOR SYSTEM / 3600       | 5798-CLT     |   | 190     |          |          |          | 24 GB21-1984    | DOS/V5,OS/V5             | 1 S H       |
| HIERARCHICAL       | MVS HIERARCHICAL STORAGE MANAGER         | 5740-XRB     |   | 420     | 315      | 94       | 150      | GH35-0007       | MVS                      | 1 S K       |
| >HIGH              | VM/SP HIGH PERFORMANCE OPTION            | 5664-173     | P | 1400    | 1050     | 100      | 160      |                 | VM/SP/MVS/SP             | 2 S K       |
| HIGH               | 3800 HIGH VOLUME PRINTING PROGRAM        | 5796-ARA     |   | 180     |          |          |          | 12 G320-5821    | OS/V5                    | 1 S H       |
| HIPODRAW           | HIPODRAW                                 | 5796-PFF     |   | 200     |          |          |          | 24 G320-5546    | DOS/V5,OS/V5/1           | 1 I H       |
| HISTOGRAMS         | GRAPHS AND HISTOGRAMS IN APL             | 5798-AGL     |   | 83      |          |          |          | 12 GB21-0414    | APLSV,APL/CMS            | 1 I H       |
| >HISTORY           | COMMITTED COST/COST HISTORY FEATURE CONS | 5726-M68/02  |   | 45      | 34       |          |          | GH30-0707       | SVS/34,6021              | 1 I D       |
| HISTORY            | IMS HISTORY REPORTING SYSTEM             | 5798-CLB     |   | 165     |          |          |          | 12 GB21-1945    | OS/V5                    | 1 I H       |
| HMS3600            | HIERARCHICAL MONITOR SYSTEM / 3600       | 5798-CLT     |   | 190     |          |          |          | 24 GB21-1984    | DOS/V5,OS/V5             | 1 S H       |
| >HOCHSCHILD        | PXS PREPARATION SUPPORT                  | 5796-NTP     | P | 52      |          |          |          | 12 GB30-1255    | SERIES/1                 | 1 S H       |
| >HOCHSCHILD        | S/1 PXS VER 3 DEVELOP SUPP               | 5796-REE     |   | 85      |          |          |          | 12 GB30-1600    | SERIES/1                 | 1 S H       |
| >HOCHSCHILD        | S/1 PXS VER 3 OPNS/APPL SUPP             | 5796-REF     |   | 85      |          |          |          | 12 GB30-1600    | SERIES/1                 | 1 S H       |
| >HOME BUILDER      | 5110/5120 BLDR/REMOD ESTIM SYS           | 5793-AAB     |   | 5520    |          |          |          | 01 GB30-1520    | 5120 SYSTEM              | 1 S H       |
| >HOME BUILDERS     | 5110 HOME BLDRS MGMT SYS                 | 5796-ZAB     |   | 6900    |          |          |          | 01 GB30-1521    | 5120 SYSTEM              | 1 S H       |
| HONEYWELL          | EMULATOR FOR HONEYWELL 200               | 5799-ADT     |   | 708     |          |          |          | GA24-3604       | DOS DOS/V5               | 0 S C       |
| >HONEYWELL         | HONEYWELL COBOL TO IBM COBOL CONVERSION  | 5785-JAA     |   | 3000    |          |          |          | 01 GB21-2858    | OS/V5,DOS/VSE,VM/370     | 0 S H       |
| HONEYWELL          | HONEYWELL 200 COBOL TO IBM ANS COBOL     | 5798-AGC     |   | 330     |          |          |          | 12 GB21-0387    | DOS                      | 0 I H       |
| >HOOKS             | SERIES/1 ESS/I WITH HOOKS                | 5796-RBB     | P | 345     |          |          |          | 12 GB30-1474    | SERIES/1                 | 1 S H       |
| >HOPKINS MFG COR   | S/34 WORK STATION UTILIZ ANALY           | 5796-RDN     |   | 270     |          |          |          | 01 GB30-1598    | SYSTEM/34                | 1 S H       |
| >HOSHCHILD         | PXS EXECUTION SUPPORT                    | 5796-NTQ     | P | 52      |          |          |          | 12 GB30-1255    | SERIES/1                 | 1 S H       |

KEYWORDS - ALPHABETIC SEQUENCE

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CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >HOSP DATA ENTRY | O/L HOSP DATA ENTRY/INQUIRY             | 5798-NRW     |     | 195     |          |          |          | 12 GB30-1214 | SYSTEM/34                | 1 S H       |
| >HOSP DATA INPUT | HOSPITAL DATA INPUT SYSTEM              | 5798-NPB     |     | 81      |          |          |          | 12 GB30-1089 | SYSTEM/32                | 1 S H       |
| >HOSP DATA INPUT | HOSPITAL DATA INPUT SYSTEM              | 5798-NTJ     |     | 81      |          |          |          | 12 GB30-1089 | SYSTEM/34                | 1 S H       |
| >HOSP MED RECORD | O/L MED RECORDS SYS - 12/15/15D         | 5796-NRB     |     | 288     |          |          |          | 12 GB30-1198 | SYSTEM/3                 | 1 S H       |
| >HOSPITAL        | ACCOUNTS RECEIVABLE HOSPITAL            | 5725-H12     |     | 31      |          |          |          | GH30-0450    | SYSTEM/32                | 1 I C       |
| >HOSPITAL        | ACCOUNTS RECEIVABLE HOSPITAL            | 5726-H12     |     | 51      |          |          |          | GH30-0405    | SYSTEM/34                | 1 I D       |
| >HOSPITAL        | DEACONESS HOSP--ONLINE ADMISSIO         | 5796-NJB     |     | 322     |          |          |          | 12 GB30-0889 | SYSTEM/3                 | 1 I H       |
| >HOSPITAL        | HOSPITAL PAYROLL MANAGEMENT SYS         | 5796-AJQ     |     | 385     |          |          |          | 12 G320-5651 | DOS/VS                   | 1 I H       |
| >HOSPITAL        | HOSPITAL CARE: PATIENT REGISTRATION     | 5798-CCB     |     | 364     |          |          |          | 12 GB21-1471 | DOS/VS DL/I CICS/VS      | 1 I H       |
| >HOSPITAL        | HOSPITAL CARE: ADMISSION SYSTEM         | 5798-CCC     |     | 469     |          |          |          | 12 GB21-1474 | DOS/VS DL/I CICS/VS      | 1 I H       |
| >HOSPITAL        | PATIENT BILLING HOSPITAL                | 5725-H11     |     | 37      |          |          |          | GH30-0449    | SYSTEM/32                | 1 I C       |
| >HOSPITAL        | PATIENT BILLING HOSPITAL                | 5726-H11     |     | 60      |          |          |          | GH30-0404    | SYSTEM/34                | 1 I D       |
| >HOSPITAL        | PATIENT ORDER MGMT/COMM SYS             | 5796-NRA     |     | 805     |          |          |          | 12 GB30-1165 | SYSTEM/3                 | 1 S H       |
| >HOSPITAL        | PAYROLL HOSPITAL                        | 5725-H13     |     | 87      |          |          |          | GH30-0008    | SYSTEM/32                | 1 I C       |
| >HOSPITAL        | PAYROLL HOSPITAL                        | 5726-H13     |     | 100     |          |          |          | GH30-0406    | SYSTEM/34                | 1 I D       |
| >HOSPITAL        | S/34 HOSP PATIENT MGMT SYSTEM           | 5798-RBP     |     | 600     |          |          |          | 24 GB30-1634 | SYSTEM/34                | 1 S H       |
| >HOSPITAL DATA   | HOSPITAL DATA INPUT SYSTEM              | 5798-NPB     |     | 81      |          |          |          | 12 GB30-1089 | SYSTEM/32                | 1 S H       |
| >HOSPITAL DATA   | HOSPITAL DATA INPUT SYSTEM              | 5798-NTJ     |     | 81      |          |          |          | 12 GB30-1089 | SYSTEM/34                | 1 S H       |
| >HOSPITAL FINANC | DAKOTA HOSPITAL FINANCIAL SYS           | 5796-AAJ     |     | 189     |          |          |          | 12 G320-1402 | SYSTEM/3                 | 1 I H       |
| >HOSPITAL INQUIR | O/L HOSP DATA ENTRY/INQUIRY             | 5798-NRW     |     | 195     |          |          |          | 12 GB30-1214 | SYSTEM/34                | 1 S H       |
| >HOSPITAL INVENT | HOSPITAL INVENTORY-ARNOT-DGDN           | 5796-AEL     |     | 93      |          |          |          | 12 G320-8091 | SYSTEM/3                 | 1 I H       |
| >HOSPITAL MAINT  | S/34 O/L HOSP FILE MAINT SYSTEM         | 5798-RBX     |     | 120     |          |          |          | 06 GB30-1514 | SYSTEM/34                | 1 S H       |
| >HOSPITAL PAYROL | HOSP. PAYROLL/PERSONNEL - GWINNE        | 5796-AEH     |     | 117     |          |          |          | 12 G320-8080 | SYSTEM/3                 | 1 I H       |
| >HOSPITAL REVENU | HOSPITAL REVENUE MGMT - PHIL. GR        | 5796-AEA     |     | 155     |          |          |          | 12 G320-8079 | SYSTEM/3                 | 1 I H       |
| >HOST            | S/34 DATA COLLEC HOST                   | 5798-RDX     |     | 69      |          |          |          | 01 GB30-1552 | SYSTEM/34                | 1 S H       |
| >HOST ASSEMBLER  | VIRT MACH FACIL/370 FOR S/1             | 5798-RDR     |     | 720     |          |          |          | 12 GB30-1590 | SERIES/1                 | 1 S H       |
| >HOST PL/1       | S/1 HOST PL/1 - RPS                     | 5798-NZJ     |     | 960     |          |          |          | 24 GB30-1483 | SERIES/1                 | 1 S H       |
| >HOST PL/1       | S/1 HOST PL/1 - EDX                     | 5798-NZK     |     | 960     |          |          |          | 24 GB30-1486 | SERIES/1                 | 1 S H       |
| >HOST PREP       | S/1 NATIVE APPL LOAD FAC - VER 2        | 5798-RBR     |     | 172     |          |          |          | 12 GB30-1071 | SERIES/1                 | 1 S H       |
| >HOST PREP       | S/370 PROGRAM PREP FOR SERIES/1         | 5798-NNQ     | P   | 598     |          |          |          | 12 GB30-1071 | SERIES/1                 | 1 S H       |
| >HOST PREP       | VIRT MACH FACIL/370 FOR S/1             | 5798-RDR     |     | 720     |          |          |          | 12 GB30-1590 | SERIES/1                 | 1 S H       |
| >HOST PREP       | 8100/DPCX HOST LICENSED PROGRAM SUPPORT | 5735-XR3     |     | 187     | 140      | 60       | 96       | GC27-0572    | OS/VS DOS/VSE            | 1 S K       |
| >HOST SYSTEM     | S/34 CENTRAL SITE MAINTENANCE           | 5798-RBD     |     | 92      |          |          |          | 06 GB30-1494 | SYSTEM/34                | 1 S H       |
| >HOST/370        | HOST/370 STORE & FORWARD 5520           | 5798-RHA     |     | 1000    |          |          |          | 12 GB30-1690 |                          | 1 S H       |
| >HOTEL           | COMPLIMENTARY FOLIO ACCOUNTING          | 5798-NWC     |     | 517     |          |          |          | 12 GB30-1281 | SYSTEM/3                 | 1 S H       |
| >HOTEL           | IBM HOTEL FRONT OFFICE SYSTEM           | 5660-274     | P   | 475     |          |          |          | 48 GH20-5506 | DMS/DPPX, DPPX/COBOL     | 3 S E       |
| >HOTEL           | ON-LINE HOTEL FRONT OFC MGMT            | 5798-ZZA     |     | 1205    |          |          |          | 24           | SYSTEM/3                 | 1 S H       |
| >HOTEL FRONT OFF | HOTEL FRONT OFFICE MGMT SYS             | 5796-NLF     |     | 632     |          |          |          | 12 GB30-1020 | SYSTEM/32                | 1 I H       |
| >HPMS            | S/34 HOSP PATIENT MGMT SYSTEM           | 5798-RBP     |     | 600     |          |          |          | 24 GB30-1634 | SYSTEM/34                | 1 S H       |
| >HPO             | VM/SP HIGH PERFORMANCE OPTION           | 5664-173     | P   | 1400    | 1050     | 100      | 160      |              | VM/SP+MVS/SP             | 2 S K       |

KEYWORDS - ALPHABETIC SEQUENCE

1-078

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| HRNES            | HOST REMOTE NODE ENTRY SYSTEM            | 5796-PJY/01  |     | 120     |          |          |          | 24 G320-5813 | OS/VS1                   | 1 S H       |
| HRNES            | HOST REMOTE NODE ENTRY SYSTEM SUPPORT    | 5796-PJY/02  |     | 525     |          |          |          | 01 G320-5813 | 9583-9584                | 0 S H       |
| >HRNES II        | HOST REMOTE NODE ENTRY SYSTEM II         | 5796-PPL     |     | 120     |          |          |          | G320-6647    | OS/VS1                   | 1 S E       |
| HSM              | MVS HIERARCHICAL STORAGE MANAGER         | 5740-XRB     |     | 420     | 315      | 94       | 150      |              | GH35-0007 MVS            | 1 S K       |
| >HUNTERDON COUNT | MORTGAGE LOAN ACCTG SYSTEM               | 5796-NNH     |     | 276     |          |          |          | 12 GB30-1063 | SYSTEM/3                 | 1 S H       |
| >I/O             | VIRTUAL SYSTEM TIME SHARED I/O FOR VSAPL | 5798-DEN     | P   | 210     |          |          |          | 12 GB21-2741 | T50,VSAPL                | 1 S H       |
| >IAM             | EDX INDEXED ACCESS METHOD VERSION 2      | 5719-AM4     | R   | 38      |          |          |          | SC34-0404    | SERIES/1                 | 1 S E       |
| >IAM-EDX         | EDX INDEXED ACCESS METHOD                | 5719-AM3     | R   | 22      |          |          |          | GC34-0345    | SERIES/1                 | 1 S C       |
| >IAM-RPS         | RPS INDEXED ACCESS METHOD                | 5719-AM1     | R   | 20      |          |          |          | GC34-0292    | SERIES/1                 | 1 S C       |
| >IAM-V2RPS       | RPS INDEXED ACCESS METHOD VER 2          | 5719-AM2     | R   | 38      |          |          |          | GC34-0395    | SERIES/1                 | 1 S E       |
| IATA             | LINK CONTROL FDY IATA 3704 SEP           | 5799-AHP     |     | 450     |          |          |          |              | ACP                      | 1 B         |
| >ICCF            | ICCF LIBRARY SCAN                        | 5796-PQB     |     | 50      |          |          |          | 12 G320-6630 | DOS/VSE,ICCF             | 1 S H       |
| ICCF             | INTERACTIVE COMPUTING CONTROL FACILITY   | 5746-TS1     |     | 97      | 72       | 22       | 35       | GC33-6066    | DOS/VSE                  | 1 S K       |
| >ICF             | INTERACTIVE COMMUNICATIONS FEATURE       | 5726-SS1/02  |     | 108     | 93       |          |          | SC21-7703    | SYS/34,6000/1            | 1 S A       |
| >IDES II         | INTELLIGENT DATA ENTRY SYS II            | 5798-NXQ     | P   | 109     |          |          |          | 24 GB30-1352 | SERIES/1                 | 1 S H       |
| >IDTF            | INTERACTIVE DISPLAY TEXT FACILITY        | 5668-956     |     | 80      | 60       |          |          | GC33-0137    | DOSF,DPCX                | 1 S E       |
| IDTF             | 8100 DPCX IDTF FEATURE                   | 5761-DS1/02  |     | 74      | 55       | 9        | 14       | GC22-9075    | 6001                     | 1 S K       |
| >IDU             | INTERACTIVE DATA BASE UTILITIES          | 5714-UT1     |     | 83      | 62       |          |          | GC21-7759    | SYSTEM/38                | 1 S A       |
| IDWS             | OS/VS1 DISTRIBUTED WORKSTATION SUPPORT   | 5740-XYE     |     | 131     | 98       | 27       | 43       | GC24-5193    | OS/VS1                   | 1 S K       |
| IJS              | VIRTUAL MACHINE INTERACTIVE FILE SHARING | 5748-XXC     |     | 40      | 30       | 12       | 1        | GC24-5195    | VM/CMS                   | 1 S K       |
| >IFS-1           | FINANCIAL: POSTING & GENERAL LEDGER      | 5668-967     |     | 805     |          |          |          | GH20-2467    | OS/VS,IMS/CICS/VS        | 1 S B       |
| IFS-1            | FINANCIAL: POSTINGS & GENERAL LEDGER     | 5746-F52     |     | 714     |          |          |          | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| >IFS-2           | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5668-968     |     | 184     |          |          |          | GH20-2467    | OS/VS,IMS/CICS/VS        | 1 S B       |
| IFS-2            | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5746-F53     |     | 158     |          |          |          | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| >IFS-3           | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5668-969     |     | 356     |          |          |          | GH20-2467    | OS/VS,IMS/CICS/VS        | 1 S B       |
| IFS-3            | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5746-F54     |     | 317     |          |          |          | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| >IFS-4           | FINANCIAL: PAYMENT PROCESSING A/P        | 5668-970     |     | 264     |          |          |          | GH20-2467    | OS/VS,IMS/CICS/VS        | 1 S B       |
| IFS-4            | FINANCIAL: PAYMENT PROCESSING A/P        | 5746-F55     |     | 238     |          |          |          | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| IIAS             | INTERACTIVE INSTRUCTIONAL AUTHORIZING    | 5668-011     |     | 373     |          |          |          | GH20-2466    | OS/VS,DOS/VSE,VM/CMS     | 2 S B       |
| IIPS             | INTERACTIVE INSTRUCTIONAL PRESENTATION   | 5668-012     |     | 218     |          |          |          | GH20-2466    | OS/VS,DOS/VSE,VM/CMS     | 2 S B       |
| IIS              | IIS CICS/DOS/VS FEATURE                  | 5748-XX6/02  |     |         |          |          |          | GH20-1895    | 6016-6017                | 2 S B       |
| IIS              | IIS CMS FEATURE                          | 5748-XX6/05  |     |         |          |          |          | GH20-1895    | 6022-6023                | 2 S B       |
| IIS              | INTERACTIVE INSTRUCTIONAL SYSTEM         | 5748-XX6/01  |     | 544     |          |          |          | GH20-1895    | DOS/VS,OS/VS,VM          | 2 S B       |
| IMAGE            | 3270 SCREEN IMAGE PREPROCESSOR           | 5796-AFC     |     | 123     |          |          |          | 12 G320-8099 | OS, OS/VS                | 1 S H       |
| IMD              | DPPX INTERACTIVE MAP DEFINITION FEATURE  | 5660-264/02  |     | 151     | 113      | 16       | 25       | GC33-0122    | 6000                     | 1 S K       |
| IMD              | DPPX INTERACTIVE MAP DEFINITION FEATURE  | 5760-XR1/02  |     | 103     | 77       | 13       | 21       | GC33-0090    | 6000                     | 1 S K       |
| IMPACT           | SVS/MVS SYSTEM & JOB IMPACT ANALYSIS     | 5796-AJF     |     | 200     |          |          |          | 12 G320-8149 | OS/VS2                   | 0 S H       |
| >IMPLEMENTATION  | SERIES/1 ESS/I WITH HOOKS                | 5796-RBB     | P   | 345     |          |          |          | 12 GB30-1474 | SERIES/1                 | 1 S H       |
| IMPORT           | VSE S/3 3340 DATA IMPORT                 | 5746-AM3     |     | 1320    |          |          |          | 01 GC33-6062 | DOS/VSE VSAM             | 0 S C       |
| IMS              | ALPHA SEARCH INQUIRY - IMS INTERFACE     | 5798-AWB     |     | 670     |          |          |          | 12 GB21-0987 | OS                       | 1 I H       |

| KEYWORD   | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T                 | I    | S     |
|-----------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------------|------|-------|
|           |  |              |     |         |          |          |          |    |              |                          | P                 | L    | V     |
| IMS       | IMS APPLICATION DEVELOPMENT FACILITY II  | 5796-PHX     |     | 632     |          |          |          |    |              | G320-5744                | IMS/VS            | V1R2 | 1 S E |
| IMS       | IMS APL DATA LINK FOR TSO                | 5796-PKN     |     | 442     |          |          |          |    |              | G320-6065                | TSO WITH VSAPL    |      | 1 S E |
| IMS       | IMS APL DATA LINK FOR VSPC               | 5796-PLA     |     | 356     |          |          |          |    |              | G320-6054                | VSPC WITH VSAPL   |      | 1 S E |
| IMS       | IMS APL DATA LINK FOR VM/CMS             | 5796-PLF     |     | 442     |          |          |          |    |              | G320-6098                | VM/CMS WITH VSAPL |      | 1 S E |
| IMS       | IMS AVAILABILITY REPORTS                 | 5798-CNN     |     | 225     |          |          |          | 12 | GB21-2030    | OS/VS                    |                   |      | 1 I H |
| IMS       | IMS DC PROGRAMMING COURSE                | 5798-CGX     |     | 136     |          |          |          | 12 | GB21-1763    | IIS,IIPS                 |                   |      | 1 L H |
| IMS       | IMS FAST REORGANIZATION RELOAD           | 5798-CXT     |     | 252     |          |          |          | 12 | GB21-2341    | OS/VS                    |                   |      | 1 I H |
| IMS       | IMS HISTORY REPORTING SYSTEM             | 5798-CLB     |     | 165     |          |          |          | 12 | GB21-1945    | OS/VS                    |                   |      | 1 I H |
| IMS       | IMS LOG TAPE MANAGEMENT SYSTEM           | 5796-AHT     |     | 200     |          |          |          | 12 | G320-8141    | OS/VS2, IMS/VSIMS        |                   |      | 1 S H |
| IMS       | IMS MAP                                  | 5796-PBC     |     | 363     |          |          |          | 01 | G320-1523    | OS/VS IMS/VS             |                   |      | 0 S H |
| IMS       | IMS MASTER TERMINAL OPERATOR ASSIST      | 5798-CLK     |     | 40      |          |          |          | 12 | GB21-1969    | OS/VS                    |                   |      | 1 S H |
| IMS       | IMS MONITOR SUMMARY & SYSTEM ANALYSIS II | 5798-CHJ     |     | 117     |          |          |          |    | GB21-1792    | IMS/VS V1R2              |                   |      | 1 I E |
| IMS       | IMS SPACE MANAGEMENT UTILITIES II        | 5796-PJJ     |     | 140     |          |          |          |    | G320-5753    | IMS/VS V1R2              |                   |      | 1 S E |
| IMS       | IMS TRANSACTION PROFILES PROGRAM         | 5796-PGG     |     | 250     |          |          |          | 12 | G320-5667    | IMS/360,IMS/VS           |                   |      | 1 I H |
| IMS       | IMS 3270 LOCAL COPY FOR ONLINE PRINTING  | 5796-AHL     |     | 190     |          |          |          | 12 | G320-8150    | IMS/360,IMS/VS           |                   |      | 1 S H |
| IMS       | TEST IMS UTILITIES                       | 5796-PBE     |     | 151     |          |          |          | 12 | G320-1523    | OS/IMS                   |                   |      | 1 S H |
| IMS.DC    | IMS DC PROGRAMMING COURSE                | 5798-CGX     |     | 136     |          |          |          | 12 | GB21-1763    | IIS,IIPS                 |                   |      | 1 L H |
| IMS/DB    | ISAM - IMS/DB BRIDGE                     | 5798-DBG     |     | 150     |          |          |          | 12 | GB21-2547    | OS/VS                    |                   |      | 1 S H |
| IMS/VS    | DATA PROCESSING ACCOUNTING FOR IMS/VS    | 5740-DC2     |     | 385     |          |          |          |    | GH19-6028    | OS/VS                    |                   |      | 1 I C |
| IMS/VS    | IMS/VS DATA COMMUNICATIONS FEATURE       | 5740-XX2/02  |     | 1630    | 1220     | 140      | 224      |    | GH20-1260    | 6151-6152                |                   |      | 0 S K |
| IMS/VS    | IMS/VS MULTIPLE SYSTEMS COUPLING FEATURE | 5740-XX2/03  |     | 1330    | 997      | 41       | 66       |    | GH20-1260    | 6157-6158                |                   |      | 1 S K |
| IMS/VS    | IMS/VS FAST-PATH FEATURE                 | 5740-XX2/04  |     | 1750    | 1310     | 165      | 264      |    | GH20-9069    | 6179-6180                |                   |      | 2 S K |
| IMS/VS    | IMS/VS DATA BASE SURVEYOR UTILITY FEAT.  | 5740-XX2/05  |     | 97      | 72       | 11       | 18       |    | GH20-9069    | 6098-6099                |                   |      | 0 S K |
| IMS/VS    | IMS/VS DATA BASE RECOVERY CONTROL FEAT.  | 5740-XX2/06  |     | 331     | 248      | 29       | 46       |    | GH35-0010    | 6093-6094                |                   |      | 1 S K |
| IMS/VS    | IMS/VS HDAM RANDOMIZING ALGORITHM        | 5796-AJJ     |     | 945     |          |          |          | 01 | G320-8157    | OS/VS,IMS/VS,IMS/360     |                   |      | 1 S H |
| IMS/VS    | IMS/VS ONLINE DATA MANAGEMENT UTILITY    | 5796-AQZ     |     | 170     |          |          |          | 12 | G320-5820    | OS/VS                    |                   |      | 1 S H |
| IMS/VS    | IMS/VS RESPONSE TIME MONITOR             | 5796-ARB     |     | 70      |          |          |          | 12 | G320-5822    | OS/VS                    |                   |      | 1 S H |
| IMS/VS    | IMS/VS EMERGENCY LOG TERMINATOR          | 5796-ATN     |     | 75      |          |          |          |    | G320-6070    | IMS/VS V1R2              |                   |      | 1 I E |
| IMS/VS    | IMS/VS MESSAGE REQUEUER                  | 5796-ATP     |     | 109     |          |          |          |    | G320-6071    | IMS/VS V1R2              |                   |      | 1 I E |
| IMS/VS    | IMS/VS MESSAGE FORMAT SERVICES TRAINING  | 5798-CKY     |     | 242     |          |          |          | 12 | GB21-1933    | IIS,IIPS                 |                   |      | 1 L H |
| IMS/VS    | IMS/VS VIRTUAL STORAGE ANALYSIS          | 5798-CNC     |     | 60      |          |          |          | 12 | GB21-2002    | OS/VS                    |                   |      | 1 S H |
| IMS/VS    | IMS/VS USER SECURITY                     | 5798-CTZ     |     | 150     |          |          |          | 12 | GB21-2252    | OS/VS1/SVS, VSAM         |                   |      | 1 S H |
| IMS/VS    | IMS/VS TIME INITIATED INPUT FACILITY     | 5798-CWF     |     | 95      |          |          |          |    | GB21-2255    | IMS/VS V1R2              |                   |      | 1 S E |
| IMS/VS    | IMS/VS DATA COMPRESSION FACILITY         | 5798-DCJ     |     | 85      |          |          |          | 12 | GB21-2612    | OS/VS                    |                   |      | 1 S H |
| IMS/VS    | IMS/VS MASTER TERMINAL OPERATOR TRAINING | 5798-DEG     |     | 75      |          |          |          | 12 | GB21-2736    | IIS,IIPS                 |                   |      | 1 L H |
| IMS/VS    | TEST IMS/VS UTILITIES                    | 5796-PTA     |     | 100     |          |          |          | 12 | G320-1540    | OS/VS1/VS2,IMS/VS        |                   |      | 1 S H |
| IMS/VS    | 3624 TELLER MACHINE IMS/VS HOST SUPPORT  | 5796-BBG     |     | 1725    |          |          |          | 12 | G320-6427    | MVS,ACF/VTAM             |                   |      | 1 S H |
| IMS/VS/DB | INFORMATION MANAGEMENT SYSTEM            | 5740-XX2/01  |     | 1310    | 982      | 140      | 224      |    | GH20-1260    | OS/VS                    |                   |      | 2 S K |
| IMS/VS/DC | IMS/VS DATA COMMUNICATIONS FEATURE       | 5740-XX2/02  |     | 1630    | 1220     | 140      | 224      |    | GH20-1260    | 6151-6152                |                   |      | 0 S K |
| IMS/360   | DATA COMMUNICATION FEATURE               | 5734-XX6/02  |     | 700     |          |          |          |    | GH20-0765    | 6022-6024                |                   |      | 2 S C |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| IMS/360          | INFORMATION MANAGEMENT SYSTEM VERS 2     | 5734-XX6/01  |     | 646     |          |          |          |            | GH20-0765 OS/MFT/MVT/VS1/VS2   | 2 5 C       |
| IMS/360          | IQF INTERACTIVE QUERY FACILITY FEATURE   | 5734-XX6/03  |     | 352     |          |          |          |            | GH20-1074 6068-6070            | 2 5 C       |
| IMSASAP II       | IMS MONITOR SUMMARY & SYSTEM ANALYSIS II | 5798-CHJ     |     | 117     |          |          |          |            | GB21-1792 IMS/V5 VIR2          | 1 I E       |
| IMSMAP           | IMS MAP                                  | 5796-PBC     |     | 363     |          |          |          | 01         | G320-1523 OS/V5 IMS/V5         | 0 5 H       |
| IMSMAP/VS        | DATA BASE STRUCTURE MAPPING / VS         | 5796-PCY     |     | 288     |          |          |          | 01         | G320-1538 OS/VS1/VS2,IMS/VS    | 0 5 H       |
| IMSPARS          | PERFORMANCE ANALYSIS & REPORTING SYSTEM  | 5798-CQP     |     | 143     |          |          |          |            | GB21-2139 IMS/V5 VIR2,5798-CPR | 1 I E       |
| IMSVSAP          | IMS/V5 VIRTUAL STORAGE ANALYSIS          | 5798-CNC     |     | 60      |          |          |          | 12         | GB21-2002 OS/V5                | 1 5 H       |
| >INC             | GENERAL ACCOUNTING BY BPI SYSTEMS INC    | 6024-026     |     | 425     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 5 H       |
| >INCENTIVE       | S/34 APPAREL BUS SYS - P/R               | 5796-RAJ     |     | 299     |          |          |          | 12         | GB30-1457 SYSTEM/34            | 1 5 H       |
| >INCENTIVE       | S/34 APPAREL BUS SYS - G-T-N P/R         | 5796-RAK     |     | 299     |          |          |          | 12         | GB30-1457 SYSTEM/34            | 1 5 H       |
| >INCIDENT        | INCIDENT REPORTING AND TRACKING SYSTEM   | 5798-CNP     |     | 125     |          |          |          | 12         | GB21-2047 DOS/V5               | 1 5 H       |
| >INCOME STATEMEN | 5120 JOB SHOP SYS - G/L                  | 5796-RCF     |     | 132     |          |          |          | 12         | GB30-1523 5120 SYSTEM          | 1 5 H       |
| >IND             | ACCOUNTS PAYABLE MGMT INFO MULTI IND     | 5715-XX3     |     | 1025    |          |          |          | 01         | GB30-2744 SYS/23 DATAMASTER    | 1 I E       |
| >IND             | BILLING MGMT INFO MULTI IND              | 5715-XX7     |     | 1025    |          |          |          | 01         | GB30-2700 SYS/23 DATAMASTER    | 1 I E       |
| >IND             | GENERAL LEDGER MGMT INFO MULTI IND       | 5715-XX2     |     | 1025    |          |          |          | 01         | GB30-2733 SYS/23 DATAMASTER    | 1 I E       |
| >IND             | PAYROLL MGMT INFO MULTI IND              | 5715-XX5     |     | 1025    |          |          |          | 01         | GB30-2755 SYS/23 DATAMASTER    | 1 I E       |
| >IND EQUIP DEALE | INVTY ACCTG/MGMT REPORT SYSTEM           | 5798-NPD     |     | 100     |          |          |          | 24         | GB30-1095 SYSTEM/32            | 1 5 H       |
| INDEPENDENCE     | DASD DEVICE INDEPENDENCE ROUTINES        | 5798-ALK     |     | 55      |          |          |          | 24         | GB21-0686 DOS                  | 0 I H       |
| INDEPENDENCE     | DOS/V5 DASD DEVICE INDEPENDENCE OPEN     | 5798-AWH/01  |     | 43      |          |          |          | 24         | GB21-1002 DOS/V5               | 0 I H       |
| >INDEPENDENT     | INDEPENDENT AGENTS/BROKERS ACCTG         | 5796-NRJ     |     | 333     |          |          |          | 24         | GB30-1209 SYSTEM/32            | 1 5 H       |
| INDEPENDENT      | 3694 INDEPENDENT RELEASE                 | 5658-001     |     |         |          |          |          |            | GC31-0013 OS/V5,DOS/VSE        | 0 5 S       |
| >INDEX SUPPORT   | MULT INDEX SUPPORT - DISK FILES          | 5798-NQL     |     | 69      |          |          |          | 06         | GB30-1168 SYSTEM/34            | 1 5 H       |
| >INDEX SUPPORT   | MULTIPLE INDEX SUPPORT FOR DISK          | 5798-NKJ     |     | 69      |          |          |          | 06         | GB30-0964 SYSTEM/3             | 1 5 H       |
| >INDEXED         | EDX INDEXED ACCESS METHOD                | 5719-AM3     |     | 22      |          |          |          |            | GC34-0345 SERIES/1             | 1 5 C       |
| >INDEXED         | EDX INDEXED ACCESS METHOD VERSION 2      | 5719-AM4     | R   | 38      |          |          |          |            | SC34-0404 SERIES/1             | 1 5 E       |
| >INDEXED         | INDEXED ACCESS METHOD CPS                | 5799-TAH     | R   | 6       |          |          |          | 24         | SC34-1556 SERIES/1             | 1 5 C       |
| >INDEXED         | RPS INDEXED ACCESS METHOD                | 5719-AM1     | R   | 20      |          |          |          |            | GC34-0292 SERIES/1             | 1 5 C       |
| >INDEXED         | RPS INDEXED ACCESS METHOD VER 2          | 5719-AM2     | R   | 38      |          |          |          |            | GC34-0395 SERIES/1             | 1 5 E       |
| >INDUSTRIAL DEAL | DEALER PARTS INVTY COMM SYSTEM           | 5798-NZL     |     | 86      |          |          |          | 12         | GB30-1443 5120 SYSTEM          | 1 5 H       |
| >INDUSTRIAL DEAL | DLR PARTS INVTY COMMUNIC SYSTEM          | 5798-NYB     |     | 132     |          |          |          | 12         | GB30-1346 SYSTEM/34            | 1 5 H       |
| >INDUSTRIAL EQUI | DLR PARTS INVTY COMMUNIC SYSTEM          | 5798-NYB     |     | 132     |          |          |          | 12         | GB30-1346 SYSTEM/34            | 1 5 H       |
| >INDUSTRIAL EQUI | S/34 DEALER PARTS INVTY                  | 5798-RBG     |     | 287     |          |          |          | 24         | GB30-1498 SYSTEM/34            | 1 5 H       |
| >INFECTION       | PATIENT CARE: INFECTION DATA MANAGEMENT  | 5796-BCC     |     | 540     |          |          |          | 12         | G320-6627 OS/V5,PCS            | 1 5 H       |
| >INFO            | ACCOUNTS PAYABLE MGMT INFO MULTI IND     | 5715-XX3     |     | 1025    |          |          |          | 01         | GB30-2744 SYS/23 DATAMASTER    | 1 I E       |
| >INFO            | ACCOUNTS RECEIVABLE MGMT INFO MULTI IND  | 5715-XX4     |     | 1025    |          |          |          | 01         | GB30-2722 SYS/23 DATAMASTER    | 1 I E       |
| >INFO            | BILLING MGMT INFO MULTI IND              | 5715-XX7     |     | 1025    |          |          |          | 01         | GB30-2700 SYS/23 DATAMASTER    | 1 I E       |
| >INFO            | GENERAL LEDGER MGMT INFO MULTI IND       | 5715-XX2     |     | 1025    |          |          |          | 01         | GB30-2733 SYS/23 DATAMASTER    | 1 I E       |
| >INFO            | INVENTORY ACCOUNTING MGMT INFO MULTI IND | 5715-XX6     |     | 1025    |          |          |          | 01         | GB30-2711 SYS/23 DATAMASTER    | 1 I E       |
| >INFO            | PAYROLL MGMT INFO MULTI IND              | 5715-XX5     |     | 1025    |          |          |          | 01         | GB30-2755 SYS/23 DATAMASTER    | 1 I E       |
| >INFO            | 5250 INFO DISPLAY SYSTEM ATTACH SUPPORT  | 5719-TA1     | R   | 26      |          |          |          |            | GC34-0245 SERIES/1             | 1 5 C       |

KEYWORDS - ALPHABETIC SEQUENCE

1-081

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MD   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >INFO PROCESSORS | OS 6 COMM & FILE CONVERSION SYS          | 5798-NZH     |     | 143     |          |          |          | 06 GB30-1431 | SYSTEM/34                | 1 S H       |
| >INFO RETRIEVAL  | ADMINISTRATIVE CONTROL SYSTEM            | 5798-NMT     |     | 287     |          |          |          | 12 GB30-1318 | SYSTEM/34                | 1 S H       |
| >INFO RETRIEVAL  | BUSINESS REPORT/APPL DEV SYS II          | 5798-NXT     |     | 98      |          |          |          | 12 GB30-1341 | 5120 SYSTEM              | 1 S H       |
| >INFO RETRIEVAL  | S/23 COMPUTERIZED FILLING SYSTEM         | 5798-RHD     |     | 1440    |          |          |          | 01 GB30-1695 | SYS/23 DATAMASTER        | 1 I H       |
| >INFO RETRIEVAL  | 5110/5120 ADMIN CONTROL SYSTEM           | 5798-NVF     |     | 115     |          |          |          | 12 GB30-1376 | 5120 SYSTEM              | 1 S H       |
| INFO/ACCESS      | INFORMATION / ACCESS - OZS               | 5735-OZS/04  |     | 270     | 202      | 13       | 35       | GC34-2053    | 6051                     | 1 S K       |
| INFO/MGMT        | INFORMATION / MANAGEMENT - OZS           | 5735-OZS/03  |     | 76      | 57       | 5        | 8        | GC34-2053    | 6050                     | 1 S K       |
| INFO/SYS         | INFORMATION / SYSTEM - OZS               | 5735-OZS/01  |     | 55      | 41       | 7        | 11       | GC34-2053    | MVS,VSE,VM               | 1 S K       |
| INFO/SYS         | INFORMATION / MVS - VSE - VM             | 5735-OZS/02  |     | 221     |          |          |          | GC34-2053    | 6052                     | 1 S C       |
| >INFO/VHVSE      | INFORMATION / VM - VSE                   | 5735-OZS/05  |     | 110     |          |          |          | GC34-2069    | 6053                     | 1 S C       |
| >INFOREM         | INFOREM II ALLOCATION                    | 5798-DDT     |     | 560     |          |          |          | 24 GB21-2695 | OS/VS,DOS/VSE            | 1 S H       |
| >INFOREM         | INFOREM II ONLINE PROCESSOR              | 5798-DET     |     | 640     |          |          |          | 24 GB21-2695 | OS/VS,DOS/VSE            | 1 S H       |
| INFOREM          | INVENTORY FORECASTING AND REPLENISHMENT  | 5798-CFH     |     | 1500    |          |          |          | 12 GB21-1674 | DOS/VS,OS/VS             | 1 S H       |
| >INFOREM II      | INVENTORY FORECASTING & REPLENISHMENT II | 5798-DDR     |     | 625     |          |          |          | 24 GB21-2695 | OS/VS,DOS/VSE            | 1 S H       |
| >INFORMATION FIL | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NED     |     | 373     |          |          |          | 12 GB30-0763 | SYSTEM/3                 | 1 I H       |
| INITIATED        | IMS/VS TIME INITIATED INPUT FACILITY     | 5798-CWF     |     | 95      |          |          |          | GB21-2255    | IMS/VS V1R2              | 1 S E       |
| >INITIATION/REVI | ONLINE JOBS: INITIATION/REVIEW           | 5798-NRX     |     | 86      |          |          |          | 12 GB30-1219 | SYSTEM/3                 | 1 S H       |
| >INPATIENT       | S/34 O/L HOSP FILE MAINT SYSTEM          | 5798-RBX     |     | 120     |          |          |          | 06 GB30-1514 | SYSTEM/34                | 1 S H       |
| INPUT            | IMS/VS TIME INITIATED INPUT FACILITY     | 5798-CWF     |     | 95      |          |          |          | GB21-2255    | IMS/VS V1R2              | 1 S E       |
| INPUT            | STAIRS INPUT FORMATTER                   | 5740-XY9/03  |     | 208     |          |          |          | GH12-5126    | 6109-6110                | 2 S B       |
| >INQ             | OVER-THE-CTR INV &ACCTS REC INQ OTC      | 5726-DM5     |     | 2070    |          |          |          | 01 GB30-2501 | SYSTEM/34                | 1 S C       |
| INQUIRY          | ALPHA SEARCH INQUIRY SYSTEM              | 5736-N14     |     | 231     |          |          |          | 6H20-1188    | CICS/OS/DOS/VS,CMS       | 1 S C       |
| INQUIRY          | ALPHA SEARCH INQUIRY - IMS INTERFACE     | 5798-AMB     |     | 670     |          |          |          | 12 GB21-0987 | OS                       | 1 I H       |
| INQUIRY          | ALPHA SEARCH INQUIRY SYS ONLINE UPDATE   | 5798-CFJ     |     | 400     |          |          |          | 12 GB21-1677 | CICS/DOS/OS/VS,CMS       | 1 S H       |
| >INQUIRY         | AUDIO SUPPORT FOR TOUCH-TONE             | 5798-NXX     |     | 201     |          |          |          | 12 GB30-1350 | SERIES/1                 | 1 S H       |
| INQUIRY          | LIFE INQUIRY / DATA ENTRY                | 5746-N11     |     | 924     |          |          |          | GH20-1499    | CICS/DOS/OS/VS/IMS       | 1 I C       |
| INQUIRY          | MAINT ENGR: CATALOG INQUIRY PARTS ORDERS | 5796-ARQ     |     | 870     |          |          |          | 24 G320-6055 | OS/V52                   | 1 S H       |
| >INQUIRY         | QUERY FACILITY                           | 5798-ANB     |     | 55      |          |          |          | 12 GB21-0770 | SYSTEM/3                 | 1 I H       |
| >INQUIRY         | S/1 TELEPHONE LISTING MGMT SYS           | 5798-NZZ     | P   | 180     |          |          |          | 12 GB30-1452 | SERIES/1                 | 1 S H       |
| >INQUIRY         | S/34 ONLINE DATA COLLECT/INQUIRY         | 5798-NNE     |     | 115     |          |          |          | 12 GB30-1054 | SYSTEM/34                | 1 S H       |
| >INQUIRY         | TERMINAL SEARCH FACILITY                 | 5798-NFD     |     | 81      |          |          |          | 06 GB30-0797 | SYSTEM/3                 | 1 S H       |
| >INQUIRY SYSTEM  | O/L ENTRY & INQUIRY - LAW FIRMS          | 5798-NAZ     |     | 104     |          |          |          | 12 GB30-1200 | SYSTEM/34                | 1 S H       |
| INSERTER         | 3800 LINE INSERTER                       | 5796-AZK     |     | 85      |          |          |          | 12 G320-6393 | OS/VS                    | 1 S H       |
| >INSTALLATION    | ATMS III INSTALLATION AID                | 5798-DGX     |     | 825     |          |          |          | 01 GB21-2879 | DOS/VSE                  | 0 S H       |
| >INSTALLATION    | CADAM (R) INSTALLATION PRODUCTIVITY AID  | 5798-DEF     |     | 1150    |          |          |          | 01 GB21-2753 | OS/VS,VM/CMS             | 1 S H       |
| INSTALLATION     | INSTALLATION MANAGEMENT DOCUMENTATION    | 5798-CZW     |     | 90      |          |          |          | 12 GB21-2481 | OS/VS                    | 1 I H       |
| INSTALLATION     | STORE SYSTEM INSTALLATION AIDS           | 5770-SA1     |     |         |          |          |          |              | DOS/VS,DOS/VSE           | 0 S B       |
| INSTALLATION     | STORE SYSTEM INSTALLATION AIDS           | 5770-SA2     |     |         |          |          |          |              | OS/VS                    | 0 S B       |
| INSTALLATION     | VSE SYSTEM IPO/E CICS INSTALLATION AID   | 5798-DFB     |     | 615     |          |          |          | 01 GB21-2778 | DOS/VSE CICS ICCF        | 0 S H       |
| INSTALLATION     | 3760 BATCH TRANSFER INSTALLATION AID     | 5798-CYN     |     | 215     |          |          |          | 12 GB21-2383 | DOS/VS                   | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S<br>P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|----------------|
| INSTALLATION     | 3890 APPLICATION & INSTALLATION SUPPORT  | 5798-BDC     |     | 284     |          |          |          |    | 12 GB21-1342 | DOS/V5                   | 1 I H          |
| INSTALLED        | CPCS INSTALLED USER EDUCATIONAL GUIDE    | 5796-001     |     | 2700    |          |          |          |    | 01 G320-5807 | DOCUMENTATION MATLS      | 0 S H          |
| INSTALLED        | DOSCHECK INSTALLED USER EDUCATION GUIDE  | 5796-002     |     | 1700    |          |          |          |    | 01 G320-6086 | DOCUMENTATION MATLS      | 0 S H          |
| >INSTALLMENT     | INSTALLMENT LOAN ACCOUNTING BANKING      | 5725-F14     |     | 104     |          |          |          |    | 6H30-0362    | SYSTEM/32                | 1 I C          |
| >INSTALLMENT     | INSTALLMENT LOAN ACCOUNTING BANKING      | 5726-F14     |     | 170     |          |          |          |    | G360-0050    | SYSTEM/34                | 1 I D          |
| INSTALLMENT      | INSTALLMENT LOAN CALCULATOR              | 5796-AGQ     |     | 265     |          |          |          | 12 | G320-8121    | DOS/V5                   | 1 S H          |
| INSTALLMENT      | INSTALLMENT LOAN CALCULATOR              | 5796-AGR     |     | 265     |          |          |          | 12 | G320-8121    | OS/V5                    | 1 S H          |
| >INSTALLMENT LOA | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEN     |     | 276     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H          |
| INSTRUCTIONAL    | INTERACTIVE INSTRUCTIONAL AUTHORIZING    | 5668-011     |     | 373     |          |          |          |    | GH20-2446    | OS/V5,DOS/V5E,VM/CMS     | 2 S B          |
| INSTRUCTIONAL    | INTERACTIVE INSTRUCTIONAL PRESENTATION   | 5668-012     |     | 218     |          |          |          |    | GH20-2446    | OS/V5,DOS/V5E,VM/CMS     | 2 S B          |
| INSTRUCTIONAL    | INTERACTIVE INSTRUCTIONAL SYSTEM         | 5748-XX6/01  |     | 544     |          |          |          |    | GH20-1895    | DOS/V5,OS/V5,VM          | 2 S B          |
| >INSTRUMENT CONT | AUTOMATED INSTRUMENT CONTROL             | 5798-NVJ     | P   | 15      |          |          |          | 12 | GB30-1381    | SERIES/1                 | 1 S H          |
| >INSURANCE       | INDEPENDENT AGENTS/BROKERS ACCTG         | 5796-NRJ     |     | 333     |          |          |          | 24 | GB30-1209    | SYSTEM/32                | 1 S H          |
| >INSURANCE       | S/I CLIENT/PROSPECT FILE INSUR           | 5798-RGE     |     | 1100    |          |          |          | 01 | GB30-1745    | SERIES/1                 | 1 S H          |
| >INSURANCE PRORA | HOSPITAL REVENUE MGMT - PHIL. GR         | 5796-AFA     |     | 155     |          |          |          | 12 | G320-8079    | SYSTEM/3                 | 1 I H          |
| INTCOM           | INTRODUCING ... THE COMPUTER             | 5796-PDX     |     | 180     |          |          |          | 12 | G320-5536    | IIS,IIPS                 | 1 L H          |
| INTEGER          | MIXED INTEGER PROGRAMMING FEATURE - MPSX | 5740-XM3/02  |     | 509     |          |          |          |    | GH19-1090    | 6038-6040                | 1 I B          |
| INTEGER          | MIXED INTEGER PROGRAMMING FOR MPSX       | 5746-XM2/02  |     | 437     |          |          |          |    | GH19-1090    | 6038-43                  | 1 I B          |
| INTEGRALS        | ZEROS AND INTEGRALS IN APL               | 5798-AGJ     |     | 60      |          |          |          | 12 | GB21-0408    | APLSV,APL/CMS            | 1 I H          |
| INTEGRATED       | INTEGRATED PROCESSING OF DATA AND TEXT   | 5785-DCT     |     | 750     |          |          |          | 24 | GB21-2755    | OS/V5,IMS,DCF,DLF        | 1 S H          |
| >INTEGRATED      | INTEGRATED PROCESSING OF DATA AND TEXT   | 5785-DCX     |     | 370     |          |          |          |    | GB21-2946    | CICS/OS/V5               | 1 S H          |
| >INTEGRATED      | INTEGRATED PROCESSING OF DATA AND TEXT   | 5785-DDD     |     | 260     |          |          |          |    | GB21-2946    | CICS/DOS/V5              | 1 S H          |
| INTEGRATED       | 1401/1440/1460 INTEGRATED EMULATOR       | 5744-AH1     |     |         |          |          |          |    | GC33-2018    | OS/V5                    | 0 S C          |
| INTEGRATED       | 1410 7010 INTEGRATED EMULATOR            | 5744-AG1     |     |         |          |          |          |    | GC33-2019    | OS/V5                    | 0 S C          |
| >INTEGRATED CUST | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEF     |     | 339     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H          |
| >INTEGRATED CUST | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEJ     |     | 264     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H          |
| >INTEGRATED CUST | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEN     |     | 276     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H          |
| >INTEGRITY       | 8100 COBOL APPLICATION INTEGRITY MONITOR | 5798-DG2     |     | 1000    |          |          |          | 01 | GB21-2885    | DPPX                     | 1 S H          |
| INTELLIGENCE     | DISTRIBUTED INTELLIGENCE SYSTEM/7 - 370  | 5744-BK1     |     |         |          |          |          |    | GC34-0057    | OS/V5                    | 0 S C          |
| >INTELLIGENT     | INTELLIGENT REMOTE STAT SUPPORT          | 5799-AXL     |     | 106     |          |          |          |    | SC21-7747    | SYSTEM/3                 | 1 S D          |
| >INTELLIGENT     | INTELLIGENT DATE ENTRY SYSTEM            | 5798-NPY     | P   | 63      |          |          |          | 12 | GB30-1134    | SERIES/1                 | 1 S H          |
| >INTELLIGENT     | ITS PRINT SPOOL                          | 5798-NXD     |     | 92      |          |          |          | 12 | GB30-1305    | SERIES/1                 | 1 S H          |
| >INTELLIGENT DAT | INTELLIGENT DATA ENTRY SYS II            | 5798-NXQ     | P   | 109     |          |          |          | 24 | GB30-1352    | SERIES/1                 | 1 S H          |
| >INTELLIGENT TER | INTELLIGENT TERMINAL SUBSYSTEM           | 5798-NLG     |     | 126     |          |          |          | 12 | GB30-1032    | SERIES/1                 | 1 S H          |
| INTER-REGION     | INTER-REGION ACCESS METHOD               | 5796-AVH     |     | 300     |          |          |          | 12 | G320-6335    | MVS WITH VSAPL           | 1 S H          |
| INTERACTIVE      | APL INTERACTIVE TRAINING COURSE          | 5796-PJW     |     | 40      |          |          |          | 24 | G320-5812    | 5748-AP1                 | 1 S H          |
| >INTERACTIVE     | BASIC INTERACTIVE GRAPHIC APPL MONITOR   | 5785-DCJ     |     | 485     |          |          |          | 12 | G320-6659    | BGSS 5785-DCK            | 1 S H          |
| INTERACTIVE      | CAD-ONLY INTERACTIVE MODULE              | 5796-ATA     | R   | 1310    | 747      |          |          |    | G320-6063    | OS/V5,VM/CMS             | 1 S E          |
| INTERACTIVE      | CAD/CAM INTERACTIVE MODULE               | 5796-ATB     | R   | 1510    | 862      |          |          |    | G320-6063    | OS/V5,VM/CMS             | 1 S E          |
| INTERACTIVE      | COBOL INTERACTIVE DEBUG                  | 5734-CB4     |     | 351     |          |          |          |    | GC28-6454    | TSD/CMS                  | 1 S B          |



| KEYWORD      | PROGRAM INFORMATION                      | ORDER NUMBER | T | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--------------|--|--------------|---|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| INTERACTIVE  | COBOL INTERACTIVE DEBUG TRAINING         | 5798-CKX     |   | 160     |          |          |          | 12 GB21-1930    | IIS,IIPS                 | 1 L H       |
| >INTERACTIVE | COBOL INTERACTIVE DEBUG TRAINING II      | 5798-DFZ     |   | 995     |          |          |          | 01 GB21-2825    | IIS,IIPS                 | 1 L H       |
| >INTERACTIVE | DATA COLLECT INTERACTIVE EDX             | 5799-TDE     | R | 39      |          |          |          | GC34-1652       | SERIES/1                 | 1 S C       |
| >INTERACTIVE | DIGITAL INTERACTIVE GRAPHICS / MAPPING   | 5668-959     |   | 600     |          |          |          | GH20-5508       | 5799-AYB                 | 1 S B       |
| INTERACTIVE  | DOS/VSE INTERACTIVE DEBUG FACILITY       | 5798-CKF     |   | 90      |          |          |          | 12 GB21-1897    | DOS/VSE                  | 1 S H       |
| INTERACTIVE  | DPPX INTERACTIVE MAP DEFINITION FEATURE  | 5660-264/02  |   | 151     | 113      | 16       | 25       | GC33-0122       | 6000                     | 1 S K       |
| INTERACTIVE  | DPPX INTERACTIVE PRODUCTIVITY FACILITY   | 5660-271     |   | 32      | 24       | 9        | 14       | GC27-0400       | DPPX/BASE WITH 6006      | 1 S K       |
| INTERACTIVE  | DPPX INTERACTIVE MAP DEFINITION FEATURE  | 5760-XR1/02  |   | 103     | 77       | 13       | 21       | GC33-0090       | 6000                     | 1 S K       |
| INTERACTIVE  | ENTRY LEVEL INTERACTIVE APPLICATION SYST | 5746-XXV     |   | 188     | 141      | 13       | 21       | GH19-6218       | DOS/VSE,CICS/VS,DL/I     | 1 S K       |
| INTERACTIVE  | ENTRY LEVEL INTERACTIVE APPLICATION SYST | 5748-XXK     |   | 289     | 216      | 25       | 40       | GH19-6157       | VM/CMS,CICS/VS,DL/I      | 1 S K       |
| INTERACTIVE  | FORTRAN INTERACTIVE DEBUG                | 5734-F05     |   | 240     |          |          |          | GC26-3983       | 5734-F01/02/03           | 1 S B       |
| INTERACTIVE  | INTERACTIVE INSTRUCTIONAL AUTHORING      | 5668-011     |   | 373     |          |          |          | GH20-2446       | OS/VS,DOS/VSE,VM/CMS     | 2 S B       |
| INTERACTIVE  | INTERACTIVE INSTRUCTIONAL PRESENTATION   | 5668-012     |   | 218     |          |          |          | GH20-2446       | OS/VS,DOS/VSE,VM/CMS     | 2 S B       |
| >INTERACTIVE | INTERACTIVE DISPLAY TEXT FACILITY        | 5668-956     |   | 80      |          |          | 60       | GC33-0137       | DOSF,DPCX                | 1 S E       |
| >INTERACTIVE | INTERACTIVE DATA BASE UTILITIES          | 5714-UT1     |   | 83      |          |          | 62       | GC21-7759       | SYSTEM/38                | 1 S A       |
| >INTERACTIVE | INTERACTIVE COMMUNICATIONS FEATURE       | 5726-SS1/02  |   | 108     |          |          | 93       | SC21-7703       | SYS/34,6000/1            | 1 S A       |
| INTERACTIVE  | INTERACTIVE PERSONNEL SYSTEM             | 5740-AM4/01  |   | 1525    |          |          |          | GH20-2151       | IMS/VS,CICS/OS/VS        | 2 S B       |
| INTERACTIVE  | INTERACTIVE PERSONNEL SYSTEM             | 5746-AM1/01  |   | 1110    |          |          |          | GH20-2151       | CICS/DOS/VS              | 2 S B       |
| INTERACTIVE  | INTERACTIVE COMPUTING CONTROL FACILITY   | 5746-TS1     |   | 97      | 72       | 22       | 35       | GC33-6066       | DOS/VSE                  | 1 S K       |
| INTERACTIVE  | INTERACTIVE PRODUCTIVITY FACILITY        | 5748-MS1     |   | 41      | 30       | 5        | 8        | GH20-2492       | DOS/VSE,VM/SP,SJPD/E     | 1 S K       |
| INTERACTIVE  | INTERACTIVE INSTRUCTIONAL SYSTEM         | 5748-XX6/01  |   | 544     |          |          |          | GH20-1895       | DOS/VS,OS/VS,VM          | 2 S B       |
| INTERACTIVE  | INTERACTIVE PROJACS                      | 5785-DAC     |   | 600     |          |          |          | 12 GB21-2447    | DOS/VS                   | 1 S H       |
| INTERACTIVE  | INTERACTIVE QUERY & REPORT PROCESSOR     | 5796-PDG     |   | 1360    |          |          |          | 24 G320-1544    | OS/VS/1,VS2              | 1 S H       |
| INTERACTIVE  | INTERACTIVE CIRCUIT DESIGN               | 5796-PLR     |   | 862     |          |          |          | 24 G320-6164    | VSAPL, APLSV             | 1 S H       |
| INTERACTIVE  | INTERACTIVE GEO-FACILITIES GRAPHICS IGGS | 5799-AYB     |   | 702     |          |          |          | 24 GH20-2152    | TSD,VM & 5799-AXX        | 2 S E       |
| INTERACTIVE  | IQF INTERACTIVE QUERY FACILITY FEATURE   | 5734-XX6/03  |   | 352     |          |          |          | GH20-1074       | 6068-6070                | 2 S C       |
| INTERACTIVE  | MCGILL U SYSTEM - INTERACTIVE COMPUTING  | 5796-PQA     |   | 545     |          |          |          | G320-6629       | VM/CMS                   | 1 S E       |
| INTERACTIVE  | VIRTUAL MACHINE INTERACTIVE FILE SHARING | 5748-XXC     |   | 40      | 30       | 12       | 1        | GC24-5195       | VM/CMS                   | 1 S K       |
| INTERACTIVE  | VSE INTERACTIVE PROBLEM CONTROL          | 5746-SA1     |   | 31      | 23       | 5        | 8        | GC34-2017       | DOS/VSE                  | 1 S K       |
| INTERACTIVE  | 3640 PS INTERACTIVE TRANSACTION GENERATR | 5660-267/02  |   | 253     | 182      | 44       | 70       | GC31-0010       | 6002                     | 1 S K       |
| INTERACTIVE  | 3790 INTERACTIVE FILE MAINTENANCE        | 5798-CZQ     |   | 145     |          |          |          | 12 GB21-2476    | DOS/VS,OS/VS,VM/CMS      | 1 S H       |
| INTERACTIVE  | 3800 INTERACTIVE CHARACTER DESIGN: ATMS  | 5798-CRK     |   | 165     |          |          |          | 12 GB21-2191    | OS/VS, ATMS-II           | 1 I H       |
| INTERACTIVE  | 3800 INTERACTIVE CHARACTER DESIGN: VM/CM | 5798-CTH     |   | 165     |          |          |          | 12 GB21-2191    |                          | 1 I H       |
| INTERACTIVE  | 3800 INTERACTIVE CHARACTER DESIGN: TSD   | 5798-CTJ     |   | 165     |          |          |          | 12 GB21-2191    |                          | 1 I H       |
| >INTERACTIVE | EDI S/1 DATA COLLEC EDIT & TRANSMIT      | 5798-RCX     | P | 138     |          |          |          | 12 GB30-1552    | SERIES/1                 | 1 S H       |
| >INTERACTIVE | PUR INTERACTIVE PURCHASING SYSTEM        | 5796-NJH     |   | 230     |          |          |          | 12 GB30-0911    | SYSTEM/3                 | 1 I H       |
| >INTERACTIVE | PUR INTERACTIVE PURCHASING SYSTEM        | 5798-NTK     |   | 267     |          |          |          | 12 GB30-1238    | SYSTEM/34                | 1 S H       |
| >INTERACTIVE | SYS S/34 CONSTRUCTION EST - CONTROL      | 5796-NXE     |   | 391     |          |          |          | 12 GB30-1355    | SYSTEM/34                | 1 S H       |
| INTERCHANGE  | DOCUMENT INTERCHANGE FACILITY - CENTRAL  | 5668-003     |   | 373     |          |          |          | GH20-2440       | OS/VS,DOS/VSE,DLF        | 1 S B       |
| INTERCHANGE  | DOCUMENT INTERCHANGE - DISTRIBUTED       | 5668-004     |   | 40      |          |          |          | GC27-0546       | DOSF/8100,3730           | 1 S B       |

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S               |     |   |   |
|----------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|---------------------|-----|---|---|
|                |  |              |     |         |          |          |          |    |              |                          | P                   | L V |   |   |
| >INTEREST      | S/34 NEGOTIABLE ORDER OF WITHDRAW        | 5798-RDE     |     | 65      |          |          |          |    | 12           | GB30-1583                | SYSTEM/34           | 1   | S | H |
| INTERFACE      | ALPHA SEARCH INQUIRY - IMS INTERFACE     | 5798-AWB     |     | 670     |          |          |          |    | 12           | GB21-0987                | OS                  | 1   | I | H |
| INTERFACE      | APL DATA INTERFACE UNDER VSPC            | 5796-PKB     |     | 240     |          |          |          |    | 24           | G320-5758                | VSPC WITH VSAPL     | 1   | S | H |
| INTERFACE      | APL DATA INTERFACE - VERSION II          | 5796-PNG     |     | 264     |          |          |          |    |              | G320-6348                | VM/CMS WITH VSAPL   | 1   | S | E |
| >INTERFACE     | APL DATA INTERFACE II FOR TSO            | 5796-PNJ     |     | 250     |          |          |          |    |              | G320-6415                | TSO                 | 1   | S | E |
| INTERFACE      | APT INTERFACE MODULE                     | 5796-ATE     | R   | 402     | 230      |          |          |    |              | G320-6063                | OS/V5,VM/CMS        | 1   | S | E |
| INTERFACE      | ASSEMBLER H CMS INTERFACE                | 5796-PEJ     |     | 136     |          |          |          |    | 12           | G320-5541                | VM/CMS              | 1   | S | H |
| INTERFACE      | CORME'S DMS/V5 DOS/V5 INTERFACE          | 5798-CTR     |     | 125     |          |          |          |    | 12           | GB21-2244                | 5746XXM CICS/DOS/V5 | 1   | I | H |
| >INTERFACE     | CPS AUTO-CALL INTERFACE                  | 5799-TBC     | R   | 6       |          |          |          |    | 24           | SC34-1552                | SERIES/1            | 1   | S | C |
| INTERFACE      | DMS/3790 INTERFACE MONITOR               | 5748-XC2/02  |     | 242     |          |          |          |    |              | GH20-2002                | 6032-6034           | 1   | S | C |
| INTERFACE      | ETSS/II LIBRARY INTERFACE TO POWER/V5    | 5798-CYZ     |     | 75      |          |          |          |    | 12           | GB21-2411                | DOS/V5              | 1   | S | H |
| INTERFACE      | GEOMETRY INTERFACE MODULE                | 5796-ATJ     | R   | 342     | 195      |          |          |    |              | G320-6063                | OS/V5,VM/CMS        | 1   | S | E |
| >INTERFACE     | GRAPHPAK FULL SCREEN INTERFACE           | 5796-PPH     |     | 65      |          |          |          |    | 12           | G320-6642                | OS/V5,VM,VSAPL      | 1   | S | H |
| >INTERFACE     | NETWORK INTERFACE MODULE                 | 5798-DGT     |     | 45      |          |          |          |    | 12           | GB21-2875                | OS/V5,ACF/VTAM      | 1   | S | H |
| >INTERFACE     | NETWORK INTERFACE MODULE                 | 5798-DHR     |     | 610     |          |          |          |    | 01           | GB21-2922                | DOS/V5E,ACF/VTAM    | 1   | S | H |
| INTERFACE      | TSO / IQRP INTERFACE                     | 5796-PHZ     |     | 300     |          |          |          |    | 24           | G320-5719                | OS/V52,TSO          | 1   | S | H |
| INTERFACE      | VSPC APL DL/I INTERFACE                  | 5785-FAL     |     | 340     |          |          |          |    | 12           | GB21-2776                | VSAPL WITH VSPC     | 1   | S | H |
| INTERFACE      | VTAM INTERFACE TO VIDEO/370              | 5798-CNK     |     | 170     |          |          |          |    | 12           | GB21-2025                | OS/V5               | 1   | S | H |
| >INTERFACE     | X.25 NCP PACKET SWITCHING INTERFACE      | 5668-981     |     | 190     | 142      | 30       | 48       |    |              | GC30-9545                | ACF/NCP/V5          | 2   | S | K |
| >INTERFACING   | INTERFACING APL BASED PRODUCTS COURSE    | 5798-DHN     |     | 1190    |          |          |          |    | 01           | GB21-2914                | IIS, IIPS           | 1   | L | H |
| INTERFILE      | DATA INTERFILE TRANSFER, TESTING, OPERNS | 5746-UT3     |     | 36      | 27       | 5        | 8        |    |              | GH19-6072                | DOS/V5E             | 1   | S | K |
| INTERMEDIATE   | APT INTERMEDIATE CONTOURING              | 5740-M52     |     | 480     |          |          |          |    |              | GH20-1424                | OS/V5               | 1   | I | B |
| INTERPERS      | GOVERNMENT REPORTING / TRACKING FEATURE  | 5740-AM4/02  |     | 278     |          |          |          |    |              | GH20-2151                | 6125-6126           | 2   | S | B |
| INTERPERS      | GOVERNMENT REPORTING & BENEFITS TRACKING | 5746-AM1/02  |     | 208     |          |          |          |    |              | GH20-2151                | 6080-6081           | 2   | S | B |
| INTERPERS      | INTERACTIVE PERSONNEL SYSTEM             | 5740-AM4/01  |     | 1525    |          |          |          |    |              | GH20-2151                | IMS/V5, CICS/OS/V5  | 2   | S | B |
| INTERPERS      | INTERACTIVE PERSONNEL SYSTEM             | 5746-AM1/01  |     | 1110    |          |          |          |    |              | GH20-2151                | CICS/DOS/V5         | 2   | S | B |
| INTERPRETATION | 3850 TRACE INTERPRETATION PACKAGE        | 5785-DBW     |     | 250     |          |          |          |    | 12           | GB21-2541                | MVS                 | 1   | I | H |
| INTRODUCING    | INTRODUCING ... THE COMPUTER             | 5796-PDX     |     | 180     |          |          |          |    | 12           | G320-5536                | IIS, IIPS           | 1   | L | H |
| >INV           | INV MGMT PROD REP & ORD VAL EVAL IMPROVE | 5714-D46     |     | 226     | 169      |          |          |    |              | GH30-0080                | SYSTEM/38           | 1   | I | D |
| >INV           | OVER-THE-CTR INV & ACCTS REC INV DIC     | 5726-DM5     |     | 2070    |          |          |          |    | 01           | GB30-2501                | SYSTEM/34           | 1   | S | C |
| >INVEN MGMT    | INVENTORY AND STOCK STATUS PROCESSING    | 5701-M41     |     | 63      |          |          |          |    |              | GH20-0741                | SYSTEM/3            | 1   | I | C |
| >INVEN/3       | INVEN/3 - COMPUTER ASSISTED INV          | 5798-NCX     |     | 345     |          |          |          |    | 12           | GB30-0688                | SYSTEM/3            | 1   | I | H |
| >INVEN/34      | INVEN/34 INVENTORY/PURCH MGMT SYS        | 5798-NWX     |     | 488     |          |          |          |    | 12           | GB30-1102                | SYSTEM/34           | 1   | S | H |
| >INVENTORY     | APPAREL ORDER ENTRY & CONTROL            | 5796-NQP     |     | 575     |          |          |          |    | 12           | GB30-1178                | SYSTEM/32           | 1   | S | H |
| INVENTORY      | COPICS INVENTORY ACCOUNTING II           | 5785-GBE     |     | 70      |          |          |          |    |              | GB21-2644                | DOS/V5E OS/V5 DL/I  | 1   | S | E |
| INVENTORY      | COPICS INVENTORY PLANNING FORECASTING II | 5798-DCR     |     | 172     |          |          |          |    |              | GB21-2650                | DOS/V5E,OS/V5 DL/I  | 1   | S | E |
| >INVENTORY     | DEALER PARTS INVTY COMM SYSTEM           | 5798-NZL     |     | 86      |          |          |          |    | 12           | GB30-1443                | 5120 SYSTEM         | 1   | S | H |
| >INVENTORY     | DLR PARTS INVTY COMMUNIC SYSTEM          | 5798-NYB     |     | 132     |          |          |          |    | 12           | GB30-1346                | SYSTEM/34           | 1   | S | H |
| >INVENTORY     | DLR PARTS INVTY COMMUNIC SYSTEM          | 5798-NYB     |     | 132     |          |          |          |    | 12           | GB30-1346                | SYSTEM/34           | 1   | S | H |
| >INVENTORY     | FORECAST MODEL SELECT - WALLED L         | 5796-ACP     |     | 62      |          |          |          |    | 12           | G320-1434                | SYSTEM/3            | 1   | I | H |

| KEYWORD    | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S<br>P L Y |
|------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|----------------|
| >INVENTORY | INVENTORY AND STOCK STATUS PROCESSING    | 5701-M41     |     | 63      |          |          |          |    | GH20-0741    | SYSTEM/3                 | 1 I C          |
| >INVENTORY | INVENTORY AND REQUIREMENTS PLANNING MFG. | 5702-M52     |     | 124     |          |          |          |    | GH20-0971    | SYSTEM/3                 | 1 S B          |
| >INVENTORY | INVENTORY CONTROL DISTRIBUTION           | 5714-D43     |     | 106     | 80       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D          |
| >INVENTORY | INVENTORY MANAGEMENT MANUFACTURING       | 5714-M45     |     | 78      | 59       |          |          |    | GH30-0708    | SYSTEM/38                | 1 I D          |
| >INVENTORY | INVENTORY ACCOUNTING MGMT INFO MULTI IND | 5715-XX6     |     | 1025    |          |          |          | 01 | GB30-2711    | SYS/23 DATAMASTER        | 1 I E          |
| >INVENTORY | INVENTORY REPORTING                      | 5721-XB5     |     | 76      |          |          |          | 24 | G280-0181    | 5120 SYSTEM              | 1 S C          |
| >INVENTORY | INVENTORY CONTROL LUMBER DEALERS         | 5725-D4D     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D          |
| >INVENTORY | INVENTORY CONTROL STOCK STATUS           | 5725-D45     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D          |
| >INVENTORY | INVENTORY CONTROL FOOD DISTRIBUTORS      | 5725-D68     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1 I D          |
| >INVENTORY | INVENTORY MANAGEMENT MFG                 | 5725-M35     |     | 63      |          |          |          |    | GH30-0032    | SYSTEM/32                | 1 I C          |
| >INVENTORY | INVENTORY CONTROL DISTRIBUTORS           | 5726-D4C     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1 I D          |
| >INVENTORY | INVENTORY CONTROL LUMBER DEALERS         | 5726-D4G     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D          |
| >INVENTORY | INVENTORY CONTROL DISTRIBUTORS           | 5726-D43     |     | 93      | 70       |          |          |    | GH30-0185    | SYSTEM/34                | 1 I D          |
| >INVENTORY | INVENTORY CONTROL FOOD DISTRIBUTORS      | 5726-D67     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/34                | 1 I D          |
| >INVENTORY | INVENTORY MANAGEMENT MFG                 | 5726-M35     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C          |
| >INVENTORY | INVENTORY MANAGEMENT MFG                 | 5726-M45     |     | 93      | 70       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D          |
| >INVENTORY | INVENTORY FORECASTING AND REPLENISHMENT  | 5798-CFH     |     | 1500    |          |          |          | 12 | GB21-1674    | DOS/VS,OS/VS             | 1 S H          |
| >INVENTORY | INVENTORY FORECASTING ALLOCATION MODULES | 5798-CXG     |     | 410     |          |          |          | 12 | GB21-2323    | INFOREM 5798-CFH         | 1 S H          |
| >INVENTORY | INVENTORY FORECASTING & REPLENISHMENT II | 5798-DDR     |     | 625     |          |          |          | 24 | GB21-2695    | OS/VS,DOS/VSE            | 1 S H          |
| >INVENTORY | INVENTORY FOR DIRECT ATT 3741            | 5798-NDP     |     | 75      |          |          |          | 12 | GB30-0791    | SYSTEM/3                 | 1 S H          |
| >INVENTORY | ONLINE BICARSA                           | 5798-NHF     |     | 454     |          |          |          | 12 | GB30-0842    | SYSTEM/3                 | 1 I H          |
| >INVENTORY | S/34 DEALER PARTS INVTY                  | 5798-RBG     |     | 287     |          |          |          | 24 | GB30-1498    | SYSTEM/34                | 1 S H          |
| >INVENTORY | S/34 DNAS II PHYS INVTY ENHANCE          | 5798-RBN     |     | 92      |          |          |          | 12 | GB30-1506    | SYSTEM/34                | 1 S H          |
| >INVENTORY | S/34 DNAS II LIFO SUPPORT                | 5798-RDL     |     | 105     |          |          |          | 12 | GB30-1587    | SYSTEM/34                | 1 S H          |
| >INVENTORY | S/34 MERS INVTY FORECASTING              | 5798-RDC     |     | 400     |          |          |          | 12 | GB30-1532    | SYSTEM/34                | 1 S H          |
| >INVENTORY | S/34 ONLINE BICARSA                      | 5798-RFR     |     | 450     |          |          |          | 12 | GB30-1667    | SYSTEM/34                | 1 S H          |
| >INVENTORY | UNIT INVENTORY TECHNIQUES                | 5701-D11     |     | 94      |          |          |          |    | GH20-0931    | SYSTEM/3                 | 1 I C          |
| >INVENTORY | ACCTG INVTY ACCTG/MGMT REPORT SYSTEM     | 5798-NPD     |     | 100     |          |          |          | 24 | GB30-1095    | SYSTEM/32                | 1 S H          |
| >INVENTORY | ACCTG IPICS INVENTORY ACCTG VERS II      | 5798-NLK     |     | 178     |          |          |          | 24 | GB30-1028    | SYSTEM/3                 | 1 I H          |
| >INVENTORY | ACCTG PIPICS -- INVENTORY ACCOUNTING     | 5798-NJY     |     | 195     |          |          |          | 24 | GB30-0935    | SYSTEM/3                 | 1 I H          |
| >INVENTORY | CONTR PUBLIC WHSE INVTY CONTROL          | 5796-NTN     |     | 276     |          |          |          | 12 | GB30-1250    | SYSTEM/32                | 1 S H          |
| >INVENTORY | CONTR S/34 APPAREL BUS SYS - OE & C      | 5796-RAC     |     | 862     |          |          |          | 12 | GB30-1457    | SYSTEM/34                | 1 S H          |
| >INVENTORY | CONTR S/34 DISTRIB & SERVICE MGMT SYS    | 5796-RBK     |     | 747     |          |          |          | 12 | GB30-1501    | SYSTEM/34                | 1 S H          |
| >INVENTORY | CONTR VEHICLE MAINT/PARTS INVENTORY      | 5796-NNN     |     | 460     |          |          |          | 12 | GB30-1067    | SYSTEM/32                | 1 S H          |
| >INVENTORY | MGMT INVEN/3 - COMPUTER ASSISTED INV     | 5798-NCX     |     | 345     |          |          |          | 12 | GB30-0688    | SYSTEM/3                 | 1 I H          |
| >INVENTORY | MGMT DEALER PARTS INVTY COMM SYSTEM      | 5798-NZL     |     | 86      |          |          |          | 12 | GB30-1443    | 5120 SYSTEM              | 1 S H          |
| >INVENTORY | MGMT HOSPITAL INVENTORY-ARNOT-OGDEN      | 5796-AEL     |     | 93      |          |          |          | 12 | G320-8091    | SYSTEM/3                 | 1 I H          |
| >INVENTORY | MGMT INVEN/34 INVTY/PURCH MGMT SYS       | 5798-NWX     |     | 488     |          |          |          | 12 | GB30-1102    | SYSTEM/34                | 1 S H          |
| >INVENTORY | REPOR 5110 INVENTORY REPORTING           | 5798-NXK     |     | 115     |          |          |          | 12 | GB30-1328    | 5120 SYSTEM              | 1 S H          |
| >INVENTORY | STATU HVY EQUIP DLR PARTS OE/INV STAT    | 5796-NWZ     |     | 575     |          |          |          | 12 | GB30-1322    | SERIES/1                 | 1 S H          |

KEYWORDS - ALPHABETIC SEQUENCE

1-086

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| INVERTED         | STAIRS/V5 MULTIPLE INVERTED KEYS         | 5785-DCE     |     | 500     |          |          |          | 12 GB21-2657 | OS/V5                    | 1 S H       |
| >INVEST TAX CRE  | S/34 FIXED ASSET ACCTG/CTL II            | 5798-RJH     |     | 2100    |          |          |          | 01 GB30-1787 | SYSTEM/34                | 1 S H       |
| INVESTMENT       | INVESTMENT PORTFOLIO MANAGEMENT SYSTEM   | 5796-AHW     |     | 2830    |          |          |          | 12 G320-8144 | OS/V52, IMS/V5           | 1 S H       |
| >INVESTMENT ADVI | INVESTMENT ADVISORY                      | 5798-BBW     |     | 362     |          |          |          | 12 GB21-1234 | SYSTEM/3                 | 1 I H       |
| >INVOICING       | BILLING INVOICING ORDER ENTRY            | 5725-D41     |     | 98      |          |          |          | GH30-0093    | SYSTEM/32                | 1 I D       |
| >INVOICING       | ORDER ENTRY AND INVOICING OE&I           | 5714-M49     |     | 91      | 68       |          |          | GH30-0708    | SYSTEM/38                | 1 I D       |
| >INVOICING       | ORDER ENTRY AND INVOICING BILLING        | 5725-M39     |     | 77      |          |          |          | GH30-0038    | SYSTEM/32                | 1 I C       |
| >INVOICING       | ORDER ENTRY AND INVOICING MFG            | 5726-M39     |     | 77      |          |          |          | GH30-0220    | SYSTEM/34                | 1 I C       |
| >INVOICING       | ORDER ENTRY AND INVOICING MFG            | 5726-M49     |     | 104     | 78       |          |          | GH30-0221    | SYSTEM/34                | 1 I D       |
| >INVOICING       | POSTBILLING FOR DIR ATTACH 3741          | 5798-NDK     |     | 120     |          |          | 12       | GB30-0791    | SYSTEM/3                 | 1 S H       |
| >INVOICING       | S/23 JOB SHOP CONTROL - A/R              | 5796-ZAK     |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >INVOICING       | S/34 APPAREL BUS SYS - OE & C            | 5796-RAC     |     | 862     |          |          |          | 12 GB30-1457 | SYSTEM/34                | 1 S H       |
| >INVOICING       | 5120 JOB SHOP SYS - A/R                  | 5796-RCE     |     | 132     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| IPCS             | VM/INTERACTIVE PROBLEM CONTROL SYSTEM    | 5748-SA1     |     | 41      | 30       | 5        | 8        | GC34-2019    | VM/CMS                   | 1 S K       |
| IPCS             | VSE INTERACTIVE PROBLEM CONTROL          | 5746-SA1     |     | 31      | 23       | 5        | 8        | GC34-2017    | DOS/VSE                  | 1 S K       |
| IPDT             | INTEGRATED PROCESSING OF DATA AND TEXT   | 5785-DCT     |     | 750     |          |          |          | 24 GB21-2755 | OS/V5, IMS, DCF, DLF     | 1 S H       |
| >IPDT            | INTEGRATED PROCESSING OF DATA AND TEXT   | 5785-DCX     |     | 370     |          |          |          | GB21-2946    | CICS/OS/V5               | 1 S H       |
| IPF              | INTERACTIVE PRODUCTIVITY FACILITY        | 5748-MS1     |     | 41      | 30       | 5        | 8        | GH20-2492    | DOS/VSE, VM/SP, SIPO/E   | 1 S K       |
| IPF/DPPX         | DPPX INTERACTIVE PRODUCTIVITY FACILITY   | 5660-271     |     | 32      | 24       | 9        | 14       | GC27-0400    | DPPX/BASE WITH 6006      | 1 S K       |
| >IPICS           | IPICS--CAPACITY PLANNING                 | 5798-NCY     |     | 172     |          |          |          | 12 GB30-0691 | SYSTEM/3                 | 1 I H       |
| >IPICS           | IPICS--PRODUCTION CONTROL                | 5798-NCZ     |     | 402     |          |          |          | 12 GB30-0694 | SYSTEM/3                 | 1 I H       |
| >IPICS           | PIPICS -- BATCH PRODUCT DATA CTL         | 5798-NJW     |     | 184     |          |          |          | 24 GB30-0929 | SYSTEM/3                 | 1 I H       |
| >IPICS           | PIPICS -- PRODUCT COSTING                | 5798-NJX     |     | 69      |          |          |          | 24 GB30-0932 | SYSTEM/3                 | 1 I H       |
| >IPICS           | PIPICS -- INVENTORY ACCOUNTING           | 5798-NJY     |     | 195     |          |          |          | 24 GB30-0935 | SYSTEM/3                 | 1 I H       |
| >IPICS           | PIPICS -- MATERIAL REQ PLANNING          | 5798-NJZ     |     | 212     |          |          |          | 24 GB30-0938 | SYSTEM/3                 | 1 I H       |
| >IPICS -- ONLINE | IPICS ONLINE MAT MGNT/DATA MAINT         | 5798-NLR     |     | 287     |          |          |          | 12 GB30-1039 | SYSTEM/3                 | 1 I H       |
| >IPICS ENG/PROD  | IPICS ENG/PROD DATA CTL VER II           | 5798-NLH     |     | 172     |          |          |          | 24 GB30-1024 | SYSTEM/3                 | 1 I H       |
| >IPICS INVENTORY | IPICS INVENTORY ACCTG VERS II            | 5798-NLK     |     | 178     |          |          |          | 24 GB30-1028 | SYSTEM/3                 | 1 I H       |
| >IPICS MAT REQ   | IPICS MATERIAL REQ PLAN VERS II          | 5798-NLJ     |     | 195     |          |          |          | 24 GB30-1030 | SYSTEM/3                 | 1 I H       |
| >IPICS PROD COST | IPICS PRODUCT COSTING VERS II            | 5798-NLJ     |     | 69      |          |          |          | 24 GB30-1026 | SYSTEM/3                 | 1 I H       |
| IPO              | MVS/SP SYSTEM IPO                        | 5750-AA9     |     | *       | *        | *        | *        | GC20-1870    |                          | ** *        |
| IPO              | SYSTEM IPO FOR OS/V51 REL 7              | 5750-AA8     |     | *       | *        | *        | *        | GC20-1861    |                          | ** *        |
| IPO              | SYSTEM IPO FOR DPPX                      | 5750-BA1     |     | *       | *        | *        | *        | GC20-1883    |                          | ** *        |
| IPO/E            | DOS/VSE SYSTEM IPO/E - DB/DC             | 5750-AAA     |     | *       | *        | *        | *        | GC20-1935    | DOS/VSE                  | ** *        |
| IPO/E            | DOS/VSE SYSTEM IPO/E - DC                | 5750-AAB     |     | *       | *        | *        | *        | GC20-1935    | DOS/VSE                  | ** *        |
| IPO/E            | DOS/VSE SYSTEM IPO/E - BATCH INTERACTIVE | 5750-AAC     |     | *       | *        | *        | *        | GC20-1935    | DOS/VSE                  | ** *        |
| >IPO/E           | VM/SP SYSTEM IPO/E                       | 5750-AAK     |     | *       | *        | *        | *        | GC20-1890    | VM/SP                    | ** *        |
| IPO/E            | VSE SYSTEM IPO/E CICS INSTALLATION AID   | 5798-DFB     |     | 615     |          |          |          | 01 GB21-2778 | DOS/VSE CICS ICCF        | 0 S H       |
| IQF              | IQF INTERACTIVE QUERY FACILITY FEATURE   | 5734-XX6/03  |     | 352     |          |          |          | GH20-1074    | 6068-6070                | 2 S C       |
| IQRP             | INTERACTIVE QUERY & REPORT PROCESSOR     | 5796-PDG     |     | 1360    |          |          |          | 24 G320-1544 | OS/V51, V52              | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT DR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| IQRP             | TSO / IQRP INTERFACE                     | 5796-PHZ     |     | 300     |          |          |          | 24         | G320-5719 OS/V52,TSO           | 1 S H       |
| >IRP             | INVENTORY AND REQUIREMENTS PLANNING MFG. | 5702-M52     |     | 124     |          |          |          |            | GH20-0971 SYSTEM/3             | 1 S B       |
| >IRS REPORTS     | ADVANCE EARNED INCOME CREDIT I/F         | 5798-NVQ     |     | 575     |          |          |          | 01         | GB30-1395 SYSTEM/34            | 1 S H       |
| ISAM             | CICS/VS ISAM - DL/I BRIDGE               | 5798-DBH     |     | 160     |          |          |          | 12         | GB21-2549 DOS/VSE,OS/VS,DOS/VS | 1 S H       |
| ISAM             | ISAM - DL/I BRIDGE                       | 5798-CYT     |     | 165     |          |          |          | 12         | GB21-2396 DOS/VS,DL/I          | 1 S H       |
| *ISAM            | ISAM - IMS/DB BRIDGE                     | 5798-DBG     |     | 150     |          |          |          | 12         | GB21-2547 OS/VS                | 1 S H       |
| >ITEM            | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5668-969     |     | 356     |          |          |          |            | GH20-2467 OS/VS,IMS/CICS/VS    | 1 S B       |
| ITEM             | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | 5746-F54     |     | 317     |          |          |          |            | GH20-2467 DOS/VSE,CICS,DL/I    | 1 S B       |
| ITEM             | OPEN ITEM ACCOUNTS RECEIVABLE            | 5798-CAE     |     | 135     |          |          |          | 12         | GB21-1395 DOS/VS               | 1 I H       |
| >ITS PRINT SPOOL | ITS PRINT SPOOL                          | 5798-NXD     |     | 92      |          |          |          | 12         | GB30-1305 SERIES/1             | 1 S H       |
| >JAS/3           | JOB ANALYSIS SYSTEM (JAS/3) MOD 8/10DISK | 5702-XP1     |     | 124     |          |          |          |            | GH20-1085 SYSTEM/3             | 1 S C       |
| >JAS/32          | JOB ANALYSIS                             | 5725-XX3     |     | 102     |          |          |          |            | GH30-0180 SYSTEM/32            | 1 S C       |
| >JAS/34          | JOB ANALYSIS SYSTEM (JAS/34)             | 5726-XP1     |     | 134     | 101      |          |          |            | GH30-0511 SYSTEM/34            | 1 S B       |
| >JCL             | LEARNING TO CODE OS/VS JCL               | 5798-DAJ     |     | 95      |          |          |          | 12         | GB21-2508 IIS,IIPS             | 1 L H       |
| JCL              | S/3 OCL TO DOS/VS JCL CONVERSION AID     | 5798-CQJ     |     | 600     |          |          |          | 01         | GB21-2130 ASSEMBLER, VSAM      | 0 S H       |
| JDCA             | SMF JOB DATA COMPRESSION AID             | 5796-PHN     |     | 132     |          |          |          |            | G320-5714 OS, OS/VS            | 1 I E       |
| JEP              | JOB ENTRY PROGRAM                        | 5746-XE6     |     | 194     | 145      | 28       | 45       |            | GH12-5129 DOS/VSE              | 1 S K       |
| JES              | JES 3 MONITORING FACILITY                | 5796-PHR     |     | 250     |          |          |          | 12         | G320-5713 MVS JES 3            | 1 S H       |
| JES2             | JES2 INFORMATION RETRIEVAL SYSTEM - CMS  | 5796-AYD     |     | 300     |          |          |          | 12         | G320-6334 VM/CMS               | 1 S H       |
| >JES2            | MVS/SP/JES2 VERSION 2                    | 5740-XC6     | P   | 4000    | 3000     | 500      | 800      |            | MVS/XA, 5665-284               | 2 S K       |
| JES2             | MVS/SP/JES2 - RELEASE 1                  | 5740-XYS/01  |     | 1700    | 1275     | 85       | 136      |            | GC28-1025 MVS,5740-AM7         | 2 S M       |
| JES2             | MVS/SP/JES2 - RELEASE 3                  | 5740-XYS/02  |     | 1715    | 1285     | 175      | 280      |            | GC28-1025 MVS,5740-AM7         | 2 S K       |
| JES2             | NETWORK JOB ENTRY FOR JES2               | 5740-XR8     |     | 693     | 519      | 72       | 115      |            | GC23-0010 MVS                  | 1 S K       |
| JES2             | TSO / JES2 BATCH DISPLAY FACILITY        | 5798-CYE     |     | 60      |          |          |          | 12         | GB21-2373 TSO JES2             | 1 S H       |
| JES3             | JES3 MONITORING FACILITY II              | 5796-PLW     |     | 170     |          |          |          |            | G320-6159 MVS                  | 1 S E       |
| JES3             | JES3 NETWORKING PRPQ                     | 5799-AZT     |     | 1535    | 1150     | 260      | 416      |            | GH20-2204 NJI ENVIRONMENT      | 2 S K       |
| >JES3            | MVS/SP/JES3 VERSION 2                    | 5665-291     | P   | 4500    | 3375     | 1000     | 1600     |            | MVS/XA, 5665-284               | 2 S K       |
| JES3             | MVS/SP/JES3 - RELEASE 1                  | 5740-XYN/01  |     | 1700    | 1275     | 85       | 136      |            | GC28-1025 MVS,5740-AM7         | 2 S M       |
| JES3             | MVS/SP/JES3 - RELEASE 3                  | 5740-XYN/02  |     | 1880    | 1410     | 375      | 600      |            | GC28-1025 MVS,5740-AM7         | 2 S K       |
| JMON             | JES3 MONITORING FACILITY II              | 5796-PLW     |     | 170     |          |          |          |            | G320-6159 MVS                  | 1 S E       |
| >JOB ACCOUNTING  | JOB ACCOUNTING FOR MODEL 15              | 5798-NUQ     |     | 69      |          |          |          | 06         | GB30-0920 SYSTEM/3             | 1 S H       |
| >JOB ACCOUNTING  | JUDD & DETWEILER - P I C A S             | 5796-ABS     |     | 217     |          |          |          | 12         | G320-1432 SYSTEM/3             | 1 I H       |
| >JOB COSTING     | CONSTRUCTION PAYROLL/JOB COST            | 5796-NQA     |     | 155     |          |          |          | 12         | GB30-1126 5120 SYSTEM          | 1 S H       |
| >JOB COSTING     | CONTR/SUBCONTR JOB COSTING               | 5798-AJC     |     | 107     |          |          |          | 12         | GB21-0520 SYSTEM/3             | 1 I H       |
| >JOB COSTING     | JUDD & DETWEILER - P I C A S             | 5796-ABS     |     | 217     |          |          |          | 12         | G320-1432 SYSTEM/3             | 1 I H       |
| >JOB COSTING     | S/23 CONSTR INFO - JOB COST              | 5796-ZAP     |     | 1550    |          |          |          | 01         | GB30-1728 SVS/23 DATAMASTER    | 1 I H       |
| >JOB COSTING     | S/23 JOB SHOP CONTROL - J/C              | 5796-ZAH     |     | 2800    |          |          |          | 01         | GB30-1714 SVS/23 DATAMASTER    | 1 I H       |
| >JOB COSTING     | 5110 HOME BLDRS MGMT SYS                 | 5796-ZAB     |     | 6900    |          |          |          | 01         | GB30-1521 5120 SYSTEM          | 1 S H       |
| >JOB COSTING     | 5120 CONSTRUCT INFO SYS - J/C            | 5796-ZAE     |     | 2035    |          |          |          | 01         | GB30-1534 5120 SYSTEM          | 1 S H       |
| >JOB COSTING     | 5120 JOB SHOP SYS - JOB COST             | 5796-RCB     |     | 287     |          |          |          | 12         | GB30-1523 5120 SYSTEM          | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER  | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L Y |
|------------------|--|---------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >JOB ENTRY       | WATERLOO INTERACTIVE DIR J/E             | 5796-NQE      | P   | 166     |          |          |          | 12 GB30-1138 | SERIES/1                 | 1 S H       |
| >JOB SHOP        | 5120 JOB SHOP SYS - JOB COST             | 5796-RCB      |     | 287     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >JOB SHOP        | 5120 JOB SHOP SYS - A/P                  | 5796-RCC      |     | 126     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >JOB SHOP        | 5120 JOB SHOP SYS - P/R                  | 5796-RCD      |     | 126     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >JOB SHOP        | 5120 JOB SHOP SYS - A/R                  | 5796-RCE      |     | 132     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >JOB SHOP        | 5120 JOB SHOP SYS - G/L                  | 5796-RCF      |     | 132     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >JOB SHOP CONTRO | S/23 JOB SHOP CONTROL - J/C              | 5796-ZAH      |     | 2800    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >JOB SHOP CONTRO | S/23 JOB SHOP CONTROL - A/P              | 5796-ZAJ      |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >JOB SHOP CONTRO | S/23 JOB SHOP CONTROL - A/R              | 5796-ZAK      |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >JOB SHOP CONTRO | S/23 JOB SHOP CONTROL - P/R              | 5796-ZAL      |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >JOB SHOP CONTRO | S/23 JOB SHOP CONTROL - G/L              | 5796-ZAN      |     | 1200    |          |          |          | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >JOB SHOP MFRS   | S/23 ESTIM & COST TRACKING SYS           | 5793-AAC      |     | 2995    |          |          |          | 01 GB30-1758 | SYS/23 DATAMASTER        | 1 I H       |
| >JOB STREAM      | S/1 COMMUNICATING JOB STREAM             | 5798-RFC      |     | 650     |          |          |          | 01 GB30-1628 | SERIES/1                 | 1 S H       |
| >JOBS            | CHAINED JOBS SCHEDULING                  | 5785-GAK      |     | 858     |          |          |          | 12 GB21-2869 | OS/VS1,OS/MVS JES2       | 1 S H       |
| >JOBSTREAM       | DOS/VS TO MVS JOBSTREAM CONVERSION AID   | 5785-EBF      |     | 4020    |          |          |          | 01 GB21-2790 | DOS/VSE,MVS,VM/CMS       | 0 I H       |
| >JOINT INTEREST  | JOINT INT G/L ACCTG FOR OIL/GAS          | 5798-NQM      |     | 546     |          |          |          | 12 GB30-1191 | SYSTEM/32                | 1 S H       |
| >JUDD & DETWEILE | JUDD & DETWEILER - P I C A S             | 5796-ABS      |     | 217     |          |          |          | 12 G320-1432 | SYSTEM/3                 | 1 I H       |
| KEY              | PROGRAM FUNCTION KEY SIMULATOR FOR SPF-2 | 5798-CTF      |     | 77      |          |          |          | 12 GB21-2225 | T50 SPF-II 5740-XT8      | 1 S H       |
| KEY              | PROGRAM FUNCTION KEY SIMULATOR SPF/CMS   | 5798-DBK      |     | 90      |          |          |          | 12 GB21-2556 | VM/CMS,5748XT3           | 1 S H       |
| KEY              | 3790 BASIC KEY TO DISK SYS               | 5796-ANF      |     | 45      |          |          |          | 24 G320-6090 | DOS/VS, OS/VS1           | 1 S H       |
| KEY              | 3790 KEY SEQUENTIAL FILE MACROS          | 5798-CRG      |     | 90      |          |          |          | 12 GB21-2176 | DOS/VS, OS/VS1           | 1 I H       |
| >KEY-TO-DISK     | INTELLIGENT DATA ENTRY SYS II            | 5798-NXQ      | P   | 109     |          |          |          | 24 GB30-1352 | SERIES/1                 | 1 S H       |
| KEYS             | STAIRS/VS MULTIPLE INVERTED KEYS         | 5785-DCE      |     | 500     |          |          |          | 12 GB21-2657 | OS/VS                    | 1 S H       |
| >KINEMATICS      | KINEMATICS                               | 5796-PQL      |     | 420     | 300      |          |          | G320-6650    | OS/VS                    | 1 S E       |
| >KMC, INC.       | INTERACTIVE PURCHASING SYSTEM            | 5796-NJH      |     | 230     |          |          |          | 12 GB30-0911 | SYSTEM/3                 | 1 I H       |
| >L. J. ROSS      | S/34 WHOLESALE/RETAIL LUMBER             | 5796-REW      |     | 500     |          |          |          | 12 GB30-1615 | SYSTEM/34                | 1 S H       |
| >LAB AUTOMATION  | S/1 EDX LAB AUTOMATION                   | 5798-RHB      |     | 300     |          |          |          | 12 GB30-1688 | SERIES/1                 | 1 S H       |
| LABEL            | DOS/VS ASSEMBLER LABEL TRACE FACILITY    | 5798-AWJ      |     | 54      |          |          |          | 06 GB21-1008 | DOS/VS                   | 1 S H       |
| >LABOR           | PAYROLL AND LABOR COSTING CONSTRUCTION   | 5726-M69      |     | 113     | 85       |          |          | GB30-0707    | SYSTEM/34                | 1 I D       |
| >LABOR COST      | EARNING STATEMENT                        | 5796-ZAC      |     | 2850    |          |          |          | 01 GB30-1534 | 5120 SYSTEM              | 1 S H       |
| >LABOR DISTRIBUT | COMPREHENSIVE PAYROLL MGMT SYS           | 5798-AXD      |     | 149     |          |          |          | 12 GB21-1056 | SYSTEM/3                 | 1 I H       |
| >LABOR DISTRIBUT | HOSP. PAYROLL/PERSONNEL - GWINNE         | 5796-AEH      |     | 117     |          |          |          | 12 G320-8080 | SYSTEM/3                 | 1 I H       |
| >LABOR DISTRIBUT | S/23 CONSTR INFO - PAYROLL               | 5796-ZAQ      |     | 1750    |          |          |          | 01 GB30-1728 | SYS/23 DATAMASTER        | 1 I H       |
| >LABOR INFO      | 5120 JOB SHOP SYS - JOB COST             | 5796-RCB      |     | 287     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| LABORATORY       | LABORATORY DATA MANAGEMENT ENHANCED      | 5796-APB      |     | 1200    |          |          |          | 12 G320-8134 |                          | 1 S H       |
| LABORATORY       | LABORATORY DATA MANAGEMENT SYSTEM II     | 5796-AAC      |     | 1450    |          |          |          | 24 G320-6080 | DOS/VS                   | 1 S H       |
| LABORATORY       | LABORATORY DATA ACQUISITION SYSTEM       | 5796-AWH      |     | 925     |          |          |          | 24 G320-6095 | DOS/VSE                  | 1 S H       |
| >LANG            | BASIC ASSEM LANG & MACRO PROCESSOR PROG  | 5725-AS1      |     | 134     |          |          |          | GC21-7675    | SYSTEM/32                | 1 S A       |
| >LANG            | RPS VER 4 (WITHOUT CMD LANG FACILITY)    | 5719-PC4/02 R |     | 48      |          |          |          | GC34-0202    | SERIES/1                 | 1 S C       |
| >LANG            | RPS VER 5 (WITHOUT CMD LANG FACILITY)    | 5719-PC5/02 R |     | 108     |          |          |          | GC34-0351    | SERIES/1                 | 1 S E       |

| KEYWORD       | PROGRAM INFORMATION                      | ORDER NUMBER  | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T I S                |       |
|---------------|--|---------------|---|------|------|------|------|---------|-------------|----------------------|-------|
|               |  |               | C | FEE  | FEE  | FEE  | FEE  | MO      | INFO        | OR FEATURE #         | P L Y |
| LANGUAGE      | A PROGRAMMING LANGUAGE - APL             | 5748-AP1      |   | 305  | 228  | 33   | 52   |         | GH20-9064   | CICS,VSPC,CMS,T50    | 1 S K |
| LANGUAGE      | APL DATA LANGUAGE                        | 5798-CHR      |   | 450  |      |      |      | 12      | GB21-1804   | OS/VS1-2,VM/CMS      | 1 S H |
| LANGUAGE      | APL ECONOMETRIC PLANNING LANGUAGE        | 5796-PDW      |   | 224  |      |      |      | 12      | G320-5535   | APLSV                | 1 I H |
| >LANGUAGE     | ASSEMBLER LANGUAGE                       | 5708-AS1      |   | 38   | 29   |      |      |         | GC21-7795   | 5280 DATA SYSTEM     | 1 S A |
| >LANGUAGE     | BASIC ASSEM LANG & MACRO PROCESSOR PROG  | 5725-AS1      |   | 134  |      |      |      |         | GC21-7675   | SYSTEM/32            | 1 S A |
| >LANGUAGE     | BASIC ASSEMBLER AND MACRO PROCESSOR      | 5726-AS1      |   | 134  | 101  |      |      |         | GC21-7840   | SYSTEM/34            | 1 S A |
| >LANGUAGE     | BASIC ANS X3.60-1978                     | 5726-BA1      |   | 63   | 47   |      |      |         | GC21-7841   | SYSTEM/34            | 1 S A |
| LANGUAGE      | CICS/DOS/VS FASTER LANGUAGE FACILITY     | 5746-XX3/02   |   | 113  |      |      |      |         | GH20-1502   | 6019-6024            | 2 S C |
| LANGUAGE      | CICS/OS/VS FASTER LANGUAGE FACILITY FEAT | 5740-XX1/02   |   | 113  |      |      |      |         | GH20-1502   | 6021-6023            | 0 S C |
| >LANGUAGE     | COBOL ANS74 X3.23-1974                   | 5726-CB1      |   | 131  | 98   |      |      |         | GC21-7737   | SYSTEM/34            | 1 S A |
| LANGUAGE      | DATA DICTIONARY LANGUAGE PREPROCESSOR    | 5798-DEQ      |   | 55   |      |      |      | 12      | GB21-2758   | OS/VS,COBOL,PL/I,ASH | 1 S H |
| >LANGUAGE     | DATA DICTIONARY LANGUAGE PREPROCESSOR    | 5798-DHG      |   | 735  |      |      |      | 01      | GB21-2902   | DOS/VSE,DL/I         | 1 S H |
| LANGUAGE      | DATA LANGUAGE / I                        | 5746-XX1      |   | 372  | 279  | 110  | 176  |         | GH20-1246   | DOS/VSE              | 2 S K |
| LANGUAGE      | DATA LANGUAGE / I ENTRY                  | 5746-XX7      |   | 372  | 279  | 22   | 35   |         | GH12-5115   | DOS/VS               | 2 S K |
| >LANGUAGE     | FORTRAN IV                               | 5725-F01      |   | 99   |      |      |      |         | GC21-7680   | SYSTEM/32            | 1 S A |
| >LANGUAGE     | FORTRAN IV                               | 5726-F01      |   | 181  | 136  |      |      |         | GC21-7685   | SYSTEM/34            | 1 S A |
| LANGUAGE      | JOB CONTROL LANGUAGE EDITOR              | 5796-PDC      |   | 148  |      |      |      | 06      | G320-1542   | OS/MFT,MVT,VS1,VS2   | 1 S H |
| LANGUAGE      | PL/I LANGUAGE CONSTRUCTION PREPROCESSOR  | 5796-PLL      |   | 140  |      |      |      | 12      | G320-6096   | OS/VS, VM/CMS        | 1 S H |
| >LANGUAGE     | PROCEDURE CONTROL LANGUAGE               | 5708-CL1      |   | 9    | 7    |      |      |         | GC23-0754   | 5280 DATA SYSTEM     | 1 S A |
| >LANGUAGE     | RPG II                                   | 5726-RG1      |   | 44   | 33   |      |      |         | GC21-7669   | SYSTEM/34            | 1 S A |
| >LANGUAGE     | RPS VER 4 (WITH CMD LANGUAGE FACILITY)   | 5719-PC4/01 R |   | 62   |      |      |      |         | GC34-0202   | SERIES/1             | 1 S C |
| >LANGUAGE     | RPS VER 5 (WITH CMD LANGUAGE FACILITY)   | 5719-PC5/01 R |   | 124  |      |      |      |         | GC34-0351   | SERIES/1             | 1 S E |
| >LANGUAGE     | SYSTEM/32 RPG II                         | 5725-RG1      |   | 49   |      |      |      |         | GC21-7594   | SYSTEM/32            | 1 S A |
| >LANGUAGEPACK | LANGUAGEPACK                             | 5608-SR4      | Q | 180  |      |      |      |         | 6544-0851   | DISPLAYWRITER        | Y S E |
| >LANGUAGEPACK | LANGUAGEPACK 2                           | 5608-SR7      | Q | 240  |      |      |      |         | 6544-0851   | DISPLAYWRITER        | Y S E |
| >LAW          | LAW ENFORCEMENT CRIME REPORTS            | 5701-G21      |   | 100  |      |      |      |         | GH20-0891   | SYSTEM/3             | 1 I C |
| >LAW          | MANAGEMENT SYSTEM FOR LAW FIRMS          | 5726-F52      |   | 377  |      |      |      |         | GH30-0124   | SYSTEM/34            | 1 I D |
| >LAW FIRMS    | O/L ENTRY & INQUIRY - LAW FIRMS          | 5798-NQ2      |   | 104  |      |      |      | 12      | GB30-1200   | SYSTEM/34            | 1 S H |
| >LAW FIRMS    | 5120 ATTY INFO MGMT SYS                  | 5796-ZAG      |   | 8280 |      |      |      | 01      | GB30-1547   | 5120 SYSTEM          | 1 S H |
| >LDMAS        | ACCOUNTS RECEIVABLE LUMBER DEALERS       | 5725-D4B      |   | 68   |      |      |      |         | GH30-0166   | SYSTEM/32            | 1 I D |
| >LDMAS        | ACCOUNTS RECEIVABLE LUMBER DEALERS       | 5726-D4F      |   | 68   |      |      |      |         | GH30-0166   | SYSTEM/34            | 1 I D |
| >LDMAS        | BILLING LUMBER DEALERS                   | 5725-D4E      |   | 98   |      |      |      |         | GH30-0166   | SYSTEM/32            | 1 I D |
| >LDMAS        | BILLING LUMBER DEALERS                   | 5726-D4E      |   | 100  |      |      |      |         | GH30-0166   | SYSTEM/34            | 1 I D |
| >LDMAS        | INVENTORY CONTROL LUMBER DEALERS         | 5725-D4D      |   | 89   |      |      |      |         | GH30-0166   | SYSTEM/32            | 1 I D |
| >LDMAS        | INVENTORY CONTROL LUMBER DEALERS         | 5726-D4G      |   | 89   |      |      |      |         | GH30-0166   | SYSTEM/34            | 1 I D |
| >LDMAS        | SALES ANALYSIS LUMBER DEALERS            | 5725-D49      |   | 89   |      |      |      |         | GH30-0166   | SYSTEM/32            | 1 I D |
| >LDMAS        | SALES ANALYSIS LUMBER DEALERS            | 5726-D4H      |   | 89   |      |      |      |         | GH30-0166   | SYSTEM/34            | 1 I D |
| LDMAS         | LABORATORY DATA MANAGEMENT ENHANCED      | 5796-APB      |   | 1200 |      |      |      | 12      | G320-8134   |                      | 1 S H |
| LDMAS         | LDMS II - NORMAL VALUE / DELTA CHECKING  | 5798-DCH      |   | 390  |      |      |      | 12      | GB21-2602   | 5796-APB OR -AWC     | 1 S H |
| LDMAS II      | LABORATORY DATA MANAGEMENT SYSTEM II     | 5796-AMC      |   | 1450 |      |      |      | 24      | G320-6080   | DOS/VS               | 1 S H |

| KEYWORD          | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I L | S V |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| LDMS II          | LDMS II - NORMAL VALUE / DELTA CHECKING   | 5798-DCH     |     | 390     |          |          |          |    | 12 GB21-2602 | 5796-APB OR -AWC         | 1   | S   | H   |
| >LEARNING        | LEARNING TO CODE OS/V5 JCL                | 5798-DAJ     |     | 95      |          |          |          |    | 12 GB21-2508 | IIS,IIPS                 | 1   | L   | H   |
| LEASE            | LEASE VS PURCHASE ANALYSIS                | 5798-AJK     |     | 34      |          |          |          |    | 12 GB21-0541 | DOS/OS                   | 1   | I   | H   |
| LEASE            | PURCHASE VS LEASE UNDER PLANCODE          | 5798-CRN     |     | 115     |          |          |          |    | 12 GB21-2197 | OS/V5,DOS/V5             | 1   | S   | H   |
| >LEASE INFORMATI | JOINT INT G/L ACCTG FOR OIL/GAS           | 5798-NQW     |     | 546     |          |          |          |    | 12 GB30-1191 | SYSTEM/32                | 1   | S   | H   |
| >LEDGER          | COMMERCIAL BANK GENERAL LEDGER ACCOUNTING | 5746-F64     |     | 235     |          |          |          |    | GH20-2497    | DOS/V5E AND CIF/V5       | 1   | S   | B   |
| >LEDGER          | FINANCIAL: POSTING & GENERAL LEDGER       | 5668-967     |     | 805     |          |          |          |    | GH20-2467    | OS/V5,IMS/CICS/V5        | 1   | S   | B   |
| >LEDGER          | FINANCIAL: POSTINGS & GENERAL LEDGER      | 5746-F52     |     | 714     |          |          |          |    | GH20-2467    | DOS/V5E,CICS,DL/I        | 1   | S   | B   |
| >LEDGER          | GENERAL LEDGER DISTRIBUTION/MEDIA         | 5714-D47     |     | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1   | I   | D   |
| >LEDGER          | GENERAL LEDGER MFG                        | 5714-M47     |     | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1   | I   | D   |
| >LEDGER          | GENERAL LEDGER MGMT INFO MULTI IND        | 5715-XX2     |     | 1025    |          |          |          | 01 | GB30-2733    | SYS/23 DATAMASTER        | 1   | I   | E   |
| >LEDGER          | GENERAL LEDGER                            | 5721-XB6     |     | 76      |          |          |          | 24 | G280-0180    | 5120 SYSTEM              | 1   | S   | C   |
| >LEDGER          | GENERAL LEDGER DISTRIBUTORS               | 5725-D61     |     | 49      |          |          |          |    | GH30-0314    | SYSTEM/32                | 1   | I   | C   |
| >LEDGER          | GENERAL LEDGER MFG                        | 5725-M37     |     | 49      |          |          |          |    | GH30-0034    | SYSTEM/32                | 1   | I   | C   |
| >LEDGER          | GENERAL LEDGER CONSTRUCTION               | 5725-M64     |     | 51      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1   | I   | C   |
| >LEDGER          | GENERAL LEDGER DISTRIBUTORS               | 5726-D6A     |     | 49      |          |          |          |    | GH30-0219    | SYSTEM/34                | 1   | I   | C   |
| >LEDGER          | GENERAL LEDGER MFG                        | 5726-M37     |     | 49      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >LEDGER          | GENERAL LEDGER DISTR MFG MAPICS           | 5726-M47     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >LEDGER          | GENERAL LEDGER CONSTRUCTION               | 5726-M64     |     | 51      |          |          |          |    | GH30-0707    | SYSTEM/34                | 1   | I   | C   |
| >LEDGER          | GENERAL LEDGER CONSTRUCTION               | 5726-M67     |     | 63      | 47       |          |          |    | GH30-0707    | SYSTEM/34                | 1   | I   | D   |
| >LEDGER          | GENERAL LEDGER / PEACHTREE SOFTWARE       | 6024-008     |     | 595     |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0   | S   | H   |
| >LEDGER/ACCOUNTS | GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL  | 5725-H14     |     | 48      |          |          |          |    | GH30-0451    | SYSTEM/32                | 1   | I   | C   |
| >LEDGER/ACCOUNTS | GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL  | 5726-H14     |     | 79      |          |          |          |    | GH30-0407    | SYSTEM/34                | 1   | I   | D   |
| >LEGAL           | MANAGEMENT SYSTEM FOR LAW FIRMS           | 5726-F52     |     | 377     |          |          |          |    | GH30-0124    | SYSTEM/34                | 1   | I   | D   |
| >LEGAL           | 5120 ATTY INFO MGMT SYS                   | 5796-ZAG     |     | 8280    |          |          |          | 01 | GB30-1547    | 5120 SYSTEM              | 1   | S   | H   |
| >LESSONS FOR S/3 | S/34 COMPUTER ASSISTED TRNG II            | 5798-NZA     |     | 130     |          |          |          | 06 | GB30-1481    | SYSTEM/34                | 1   | S   | H   |
| >LETTER          | LETTER WRITER APPLICATION                 | 5725-XX2     |     | 43      |          |          |          |    | GH30-0309    | SYSTEM/32                | 1   | S   | C   |
| >LETTER          | SERIES/1 LETTER WRITER-V1 RPS             | 5799-TEH     | R   | 80      |          |          |          | 12 | GH30-0711    | SERIES/1                 | 1   | S   | E   |
| >LETTER          | SERIES/1 LETTER WRITER-V2 RPS             | 5799-TEY     | R   | 100     |          |          |          | 12 |              | SERIES/1                 | 1   | S   | E   |
| >LETTER          | 8100 FORM LETTER GENERATION SYSTEM        | 5798-DHY     |     | 1120    |          |          |          | 01 | GB21-2931    | DPGX                     | 1   | S   | H   |
| >LEUVEN          | LEUVEN LIBRARY SYSTEM BATCH               | 5787-FAH     |     | 575     |          |          |          | 24 | G320-6662    | 5787-DAA                 | 1   | S   | H   |
| >LEUVEN          | LEUVEN LIBRARY SYSTEM ONLINE              | 5787-FAJ     |     | 575     |          |          |          | 24 | G320-6662    | 5787-DAA -FAH            | 1   | S   | H   |
| >LEUVEN          | LEUVEN LIBRARY SYSTEM ONLINE              | 5787-FAK     |     | 405     |          |          |          | 24 | G320-6662    | 5787-DAB -FAL            | 1   | S   | H   |
| >LEUVEN          | LEUVEN LIBRARY SYSTEM BATCH               | 5787-FAL     |     | 365     |          |          |          | 24 | G320-6662    | 5787-DAB                 | 1   | S   | H   |
| >LEVEL           | CICS/V5 COMMAND LEVEL PROGRAMMING COURSE  | 5798-DCX     |     | 1220    |          |          |          | 01 | GB21-2628    | IIS,IIPS                 | 1   | L   | H   |
| >LEVEL           | ENTRY LEVEL INTERACTIVE APPLICATION SYST  | 5746-XXV     |     | 188     | 141      | 13       | 21       |    | GH19-6218    | DOS/V5E,CICS/V5,DL/I     | 1   | S   | K   |
| >LEVEL           | ENTRY LEVEL INTERACTIVE APPLICATION SYST  | 5748-XXK     |     | 289     | 216      | 25       | 40       |    | GH19-6157    | VM/CMS,CICS/V5,DL/I      | 1   | S   | K   |
| >LEVEL           | SERVICE LEVEL REPORTER                    | 5740-DC3     |     | 507     | 380      | 43       | 68       |    | GH19-6169    | OS/V5                    | 1   | I   | K   |
| >LEVEL           | VTAM LEVEL SELECTOR                       | 5798-DBZ     |     | 63      |          |          |          |    | GB21-2580    | OS/V5-MVS                | 1   | S   | E   |
| >LI/DE           | LIFE INQUIRY / DATA ENTRY                 | 5746-N11     |     | 924     |          |          |          |    | GH20-1499    | CICS/DOS/OS/V5/IMS       | 1   | I   | C   |



| KEYWORD   | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MD | ENVIRONMENT OR FEATURE #       | T I S P L V |
|-----------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >LIB      | FORT IV COMPIL & OBJ SUP LIB VER 2       | 5719-F02     | R   | 17      |          |          |          |            | GC34-0306 SERIES/1             | 1 S C       |
| >LIB      | PRINT PLOT - PROBLEM SOLVER LIB BASIC    | 5721-DC3     |     | 575     |          |          |          | 01         | GC21-5191 5120 SYSTEM          | 3 L C       |
| >LIBR     | EDX COBOL COMPILER & RESIDENT LIBR V 2   | 5719-CB5     | R   | 118     |          |          |          |            | GC34-0388 SERIES/1             | 1 S E       |
| >LIBR     | FORTRAN IV REALTIME SUBROU LIBR VER 2    | 5719-F04     | R   | 8       |          |          |          |            | GC34-0140 SERIES/1             | 1 S C       |
| >LIBR     | RPS COBOL COMPILER & RESIDENT LIBR V 2   | 5719-CB7     | R   | 118     |          |          |          |            | GC34-0390 SERIES/1             | 1 S E       |
| >LIBRA    | EARNING STATEMENT                        | 5796-ZAC     |     | 2850    |          |          |          | 01         | GB30-1534 5120 SYSTEM          | 1 S H       |
| >LIBRA    | S/23 CONSTR INFO - JOB COST              | 5796-ZAP     |     | 1550    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER    | 1 I H       |
| >LIBRA    | S/23 CONSTR INFO - PAYROLL               | 5796-ZAQ     |     | 1750    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER    | 1 I H       |
| >LIBRA    | S/23 CONSTR INFO - ACCTS PAYABLE         | 5796-ZAR     |     | 1650    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER    | 1 I H       |
| >LIBRA    | S/23 CONSTR INFO - GEN LEDG              | 5796-ZAT     |     | 1550    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER    | 1 I H       |
| >LIBRA    | 5120 CONSTRUCT INFO SYS - A/P            | 5796-ZAD     |     | 2365    |          |          |          | 01         | GB30-1534 5120 SYSTEM          | 1 S H       |
| >LIBRA    | 5120 CONSTRUCT INFO SYS - J/C            | 5796-ZAE     |     | 2035    |          |          |          | 01         | GB30-1534 5120 SYSTEM          | 1 S H       |
| >LIBRA    | 5120 CONSTRUCT INFO SYS - G/L            | 5796-ZAF     |     | 2025    |          |          |          | 01         | GB30-1534 5120 SYSTEM          | 1 S H       |
| LIBRARIAN | VM VIRTUAL TAPE LIBRARIAN                | 5796-PNZ     |     | 46      |          |          |          | 24         | G320-6421 VM/CMS PL/I          | 1 S H       |
| LIBRARY   | APL STATISTICAL LIBRARY                  | 5796-PHW     |     | 240     |          |          |          | 12         | G320-5688 VSAPL                | 1 I H       |
| >LIBRARY  | BUSINESS ANAL/PROB SOLVER LIBRARY        | 5721-XM3     |     | 603     |          |          |          | 01         | G580-0042 5100 SYSTEM          | 3 L C       |
| >LIBRARY  | COBOL COMPILER & RESIDENT LIBRARY        | 5719-CB1     | R   | 90      |          |          |          |            | GC34-0236 SERIES/1             | 1 S C       |
| >LIBRARY  | COBOL TRANSIENT LIBRARY                  | 5719-CB2     | R   | 8       |          |          |          |            | GC34-0237 SERIES/1             | 1 S C       |
| LIBRARY   | COBOL COMPILER & LIBRARY                 | 5746-CB1     |     | 157     | 117      | 12       | 19       |            | GC28-6473 DOS/VS               | 1 S K       |
| LIBRARY   | COBOL LIBRARY ONLY                       | 5746-LM4     |     | 29      | 21       | 5        | 8        |            | GC28-6473 DOS/VS               | 1 S K       |
| >LIBRARY  | COBOL-OS/VS HOST COMPILER & LIBRARY      | 5708-CB1     |     | 144     |          |          |          |            | GL23-0027 5280 DATA SYSTEM     | 1 S E       |
| >LIBRARY  | COBOL-DOS/VSE HOST COMPILER & LIBRARY    | 5708-CB2     |     | 144     |          |          |          |            | GL23-0028 5280 DATA SYSTEM     | 1 S E       |
| LIBRARY   | DOCUMENT LIBRARY FACILITY                | 5748-XXE     |     | 121     |          |          |          |            | GH20-9163 DOS/VS,OS/VS1,MVS    | 1 S L       |
| LIBRARY   | DORTMUND LIBRARY SYSTEM                  | 5787-DAA     |     | 925     |          |          |          | 24         | G320-6662 OS/VS,CICS/VS,PL/I   | 1 S H       |
| >LIBRARY  | DORTMUND LIBRARY SYSTEM                  | 5787-DAB     |     | 715     |          |          |          | 24         | G320-6662 DOS/VSE,CICS/VS,PL/I | 1 S H       |
| LIBRARY   | DOS FORTRAN IV LIBRARY OPTION 1          | 5746-LM3     |     | 38      | 28       | 5        | 8        |            | GC28-6882 DOS                  | 1 S K       |
| LIBRARY   | DOS PL/I RESIDENT LIBRARY                | 5736-LM4     |     | 55      | 41       | 5        | 8        |            | GC33-0004 DOS,DOS/VS/VSE,CMS   | 1 S K       |
| LIBRARY   | DOS PL/I TRANSIENT LIBRARY RELEASE 6     | 5736-LM5     |     | 32      | 24       | 5        | 8        |            | GC33-0004 DOS,DOS/VS/VSE,CMS   | 1 S K       |
| LIBRARY   | DOS PL/I OPTIMIZING COMPILER & LIBRARY   | 5736-PL3     |     | 322     | 241      | 41       | 66       |            | GC33-0004 DOS,DOS/VS/VSE,CMS   | 1 S K       |
| LIBRARY   | DOS SOURCE STATEMENT LIBRARY MAINTENANCE | 5798-AND     |     | 70      |          |          |          | 06         | GB21-0999 DOS COBOL            | 1 I H       |
| LIBRARY   | DPPX COBOL RUN TIME LIBRARY              | 5760-LB1     |     | 21      | 15       | 4        | 6        |            | GC26-3914 DPPX                 | 1 S K       |
| LIBRARY   | DPPX FORTRAN LIBRARY                     | 5760-LM1     |     | 47      | 35       | 12       | 19       |            | GC27-0417 DPPX                 | 1 S K       |
| LIBRARY   | DPPX PL/I LIBRARY                        | 5760-LM2     |     | 50      | 37       | 8        | 13       |            | GH19-6081 DPPX                 | 1 S K       |
| >LIBRARY  | EDX COBOL COMPILER & RESIDENT LIBRARY    | 5719-CB3     | R   | 90      |          |          |          |            | GL23-0012 SERIES/1             | 1 S C       |
| >LIBRARY  | EDX COBOL TRANSIENT LIBRARY              | 5719-CB4     | R   | 8       |          |          |          |            | GL23-0013 SERIES/1             | 1 S C       |
| >LIBRARY  | EDX COBOL TRANSIENT LIBRARY VERSION 2    | 5719-CB6     | R   | 15      |          |          |          |            | GC34-0389 SERIES/1             | 1 S E       |
| >LIBRARY  | EDX MACRO LIBRARY VERSION 1              | 5719-LM5     | R   | 37      |          |          |          |            | GC34-0304 SERIES/1             | 1 S C       |
| >LIBRARY  | EDX MACRO LIBRARY VERSION 2              | 5719-LM6     | R   | 49      |          |          |          |            | GC34-0356 SERIES/1             | 1 S E       |
| >LIBRARY  | EDX MACRO LIBRARY VERSION 3              | 5719-LM7     | R   | 67      |          |          |          |            | GC34-1698 SERIES/1             | 1 S E       |
| LIBRARY   | ETSS/II LIBRARY INTERFACE TO POWER/VS    | 5798-CYZ     |     | 75      |          |          |          | 12         | GB21-2411 DOS/VS               | 1 S H       |

| KEYWORD  | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|----------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >LIBRARY | FORTRAN IV REALTIME SUBROUTINE LIBRARY   | 5719-F03     | R   | 7       |          |          |          |    | GC34-0140    | SERIES/1                 | 1 S C       |
| >LIBRARY | ICCF LIBRARY SCAN                        | 5796-PQB     |     | 50      |          |          |          | 12 | G320-6630    | DOS/VSE,ICCF             | 1 S H       |
| >LIBRARY | INFORMATION / LIBRARY                    | 5665-277     | P   | 156     | 117      | 12       | 19       |    | GH12-5136    | MVS,NCCF/TSD             | 1 S K       |
| LIBRARY  | LEUVEN LIBRARY SYSTEM BATCH              | 5787-FAH     |     | 575     |          |          |          | 24 | G320-6662    | 5787-DAA                 | 1 S H       |
| LIBRARY  | LEUVEN LIBRARY SYSTEM ONLINE             | 5787-FAJ     |     | 575     |          |          |          | 24 | G320-6662    | 5787-DAA -FAH            | 1 S H       |
| >LIBRARY | LEUVEN LIBRARY SYSTEM ONLINE             | 5787-FAK     |     | 405     |          |          |          | 24 | G320-6662    | 5787-DAB -FAL            | 1 S H       |
| >LIBRARY | LEUVEN LIBRARY SYSTEM BATCH              | 5787-FAL     |     | 365     |          |          |          | 24 | G320-6662    | 5787-DAB                 | 1 S H       |
| >LIBRARY | LIBRARY / MVS                            | 5665-294     |     | 100     | 75       |          |          |    | GH12-5136    | MVS,NCCF/TSD             | 1 S         |
| >LIBRARY | MATH & FUNCTIONAL SUBROU LIBRARY (MFSL)  | 5719-LM1     | R   | 9       |          |          |          |    | GC34-0138    | SERIES/1                 | 1 S C       |
| >LIBRARY | MATH - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC6     |     | 603     |          |          |          | 01 | GH30-0395    | 5120 SYSTEM              | 3 L C       |
| LIBRARY  | ONLINE LIBRARY CIRCULATION SYSTEM        | 5796-APA     |     | 200     |          |          |          | 24 | G320-5760    | DOS/V5,CICS/V5           | 1 S H       |
| LIBRARY  | ONLINE PANELS ENTRY LIBRARY SYSTEM       | 5798-CET     |     | 150     |          |          |          | 12 | GB21-1641    | CICS CICS/V5 MTC5        | 1 I H       |
| LIBRARY  | OS FORTRAN IV LIBRARY (MOD II)           | 5734-LM3     |     | 123     | 92       | 14       | 22       |    | GC28-6884    | OS/MFT/MVT/V5/CMS        | 1 S K       |
| LIBRARY  | OS PL/I RESIDENT LIBRARY                 | 5734-LM4     |     | 55      | 41       | 5        | 8        |    | GC33-0001    | OS/V5,MFT/MVT,CMS        | 1 S K       |
| LIBRARY  | OS PL/I TRANSIENT LIBRARY                | 5734-LM5     |     | 32      | 24       | 5        | 8        |    | GC33-0001    | OS/V5,MFT/MVT,CMS        | 1 S K       |
| LIBRARY  | OS PL/I OPTIMIZING COMPILER & LIBRARY    | 5734-PL3     |     | 339     | 254      | 41       | 66       |    | GC33-0001    | OS/V5,MFT/MVT,CMS        | 1 S K       |
| LIBRARY  | OS/V5 COBOL COMPILER & LIBRARY           | 5740-CB1     |     | 311     | 233      | 12       | 19       |    | GC28-6470    | OS/V5                    | 1 S K       |
| LIBRARY  | OS/V5 COBOL LIBRARY                      | 5740-LM1     |     | 101     | 75       | 5        | 8        |    | GC28-6470    | OS/V5                    | 1 S K       |
| >LIBRARY | PL/I COMPILER AND RESIDENT LIBRARY       | 5719-PL1     | R   | 59      |          |          |          |    | GC34-0084    | SERIES/1                 | 1 S C       |
| >LIBRARY | PL/I COMPIL & RESIDENT LIBRARY VER 2     | 5719-PL2     | R   | 148     |          |          |          |    | GC34-0281    | SERIES/1                 | 1 S C       |
| >LIBRARY | PL/I EDX COMPILER & RESIDENT LIBRARY     | 5719-PL5     | R   | 148     |          |          |          |    | GC34-0145    | SERIES/1                 | 1 S C       |
| >LIBRARY | PL/I EDX TRANSIENT LIBRARY               | 5719-PL6     | R   | 28      |          |          |          |    | GC34-0146    | SERIES/1                 | 1 S C       |
| >LIBRARY | PL/I TRANSIENT LIBRARY                   | 5719-PL3     | R   | 7       |          |          |          |    | GC34-0092    | SERIES/1                 | 1 S C       |
| >LIBRARY | PL/I TRANSIENT LIBRARY VERSION 2         | 5719-PL4     | R   | 28      |          |          |          |    | GC34-0282    | SERIES/1                 | 1 S C       |
| LIBRARY  | PROCEDURE LIBRARY - MATHEMATICS          | 5734-XM3     |     | 102     |          |          |          |    | GH20-0854    | OS                       | 1 S C       |
| >LIBRARY | RPS COBOL TRANSIENT LIBRARY VERSION 2    | 5719-CB8     | R   | 15      |          |          |          |    | GC34-0391    | SERIES/1                 | 1 S E       |
| >LIBRARY | SSX/VSE PL/I OPTIMIZER & LIBRARY         | 5666-276     |     | 322     | 241      | 41       | 66       |    | GC33-6143    | SSX/VSE                  | 1 S K       |
| >LIBRARY | SSX/VSE PL/I TRANSIENT LIBRARY           | 5666-277     |     | 32      | 24       | 5        | 8        |    | GC33-6143    | SSX/VSE                  | 1 S K       |
| >LIBRARY | STAT - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC7     |     | 603     |          |          |          | 01 | GH30-0396    | 5120 SYSTEM              | 3 L C       |
| >LIBRARY | SUBROUTINE LIBRARY - MATH                | 5725-XM1     |     | 94      |          |          |          |    | GH30-0182    | SYSTEM/32                | 1 S B       |
| LIBRARY  | SUBROUTINE LIBRARY - MATHEMATICS         | 5736-XM7     |     | 110     |          |          |          |    | GH12-5103    | DOS/V5                   | 1 S C       |
| LIBRARY  | SYSTEMS LIBRARY SUBSCRIPTION SVC CONTROL | 5798-CTE     |     | 68      |          |          |          | 12 | GB21-2222    | OS/V5                    | 1 I H       |
| >LIBRARY | TAPE LIBRARY CONTROL SYSTEM              | 5785-EAW     |     | 650     |          |          |          | 12 | G320-6652    | MVS                      | 1 S H       |
| LIBRARY  | VM/CMS LIBRARY & SPMOL-II SIMULATOR      | 5798-CVA     |     | 95      |          |          |          | 12 | GB21-2361    | VM/CMS                   | 1 S H       |
| LIBRARY  | V5 FORTRAN COMPILER & LIBRARY            | 5748-F03     |     | 212     | 159      | 15       | 24       |    | GC26-3983    | OS/V5,DOS/VSE,VM/CMS     | 1 S K       |
| LIBRARY  | V5 FORTRAN LIBRARY                       | 5748-LM3     |     | 63      | 47       | 5        | 8        |    | GC26-3983    | OS/V5,DOS/VSE,VM/CMS     | 1 S K       |
| LIBRARY  | VSAPL ADVANCED STATISTICS LIBRARY        | 5796-PJT     |     | 212     |          |          |          | 12 | G320-5811    | VSAPL                    | 1 I H       |
| >LIBRARY | VSE/ICCF AUTOMATED LIBRARY MANAGER       | 5798-DJR     |     | 330     |          |          |          | 01 | GB21-2956    | DOS/VSE IC CF            | 1 S H       |
| LIBRARY  | VSPC LIBRARY PRINT PROGRAM               | 5785-EAA     |     | 250     |          |          |          | 01 | G320-5816    | MVS, VSPC                | 1 S H       |
| >LIBRARY | INVENTO ADMINISTRATIVE CONTROL SYSTEM    | 5798-NWT     |     | 287     |          |          |          | 12 | GB30-1318    | SYSTEM/34                | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #      | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| >LIBRARY INVENTO | 5110/5120 ADMIN CONTROL SYSTEM           | 5798-NVF     |     | 115     |          |          |          | 12         | GB30-1376 5120 SYSTEM         | 1 S H       |
| >LIBRARY MAINT   | CCP SOURCE LIBRARY MAINT SYS             | 5798-NDR     |     | 98      |          |          |          | 06         | GB30-0715 SYSTEM/3            | 1 S H       |
| >LIBRARY/HOST    | EDX MACRO LIBRARY/HOST VERSION 1         | 5740-LM2     |     | 111     |          |          |          |            | GC34-0305 SERIES/1            | 1 S C       |
| >LIBRARY/HOST    | EDX MACRO LIBRARY/HOST VERSION 2         | 5740-LM3     |     | 151     |          |          |          |            | GC34-0357 SERIES/1            | 1 S C       |
| >LIBRARY/HOST    | EDX MACRO LIBRARY/HOST VERSION 3         | 5740-LM4     |     | 189     |          |          |          |            | GC34-1699 SERIES/1            | 1 S E       |
| >LIBRARY/MV      | LIBRARY / MVS                            | 5665-294     | P   | 100     | 75       |          |          |            | GH12-5136 MVS,NCCF/TSO        | 1 S         |
| >LIC             | ADMINISTRAT PROCESSING PROG LIC M/R CODE | 5611-SS1     |     | 389     |          |          |          |            | GC23-0734 5520 ADMIN. SYSTEM  | 1 S A       |
| LICENSED         | 8100/DPCX HOST LICENSED PROGRAM SUPPORT  | 5735-XR3     |     | 187     | 140      | 60       | 96       |            | GC27-0572 OS/VS DOS/VSE       | 1 S K       |
| >LIFE            | GROUP LIFE MANAGEMENT SYSTEM             | 5796-PQF     | P   | 655     |          |          |          | 24         | G320-6648 VM,DOS/VSE          | 1 S H       |
| LIFE             | LIFE INQUIRY / DATA ENTRY                | 5746-N11     |     | 924     |          |          |          |            | GH20-1499 CICS/DOS/OS/VS/IMS  | 1 I C       |
| >LIFE INSURANCE  | S/1 CLIENT/PROSPECT FILE INSUR           | 5798-RGE     |     | 1100    |          |          |          | 01         | GB30-1745 SERIES/1            | 1 S H       |
| >LIFO            | S/34 DISTRIB & SERVICE MGMT SYS          | 5796-RBK     |     | 747     |          |          |          | 12         | GB30-1501 SYSTEM/34           | 1 S H       |
| >LIFO            | S/34 DMAS II LIFO SUPPORT                | 5798-RDL     |     | 105     |          |          |          | 12         | GB30-1587 SYSTEM/34           | 1 S H       |
| >LIGHT PEN       | ONLINE OPEN-ITEM A/R S3-M15              | 5798-NJF     |     | 258     |          |          |          | 12         | GB30-0897 SYSTEM/3            | 1 I H       |
| LINE             | COPICS BILL OF MATERIAL ON LINE II       | 5785-GBA     |     | 95      |          |          |          |            | GB21-2638 DOS/VSE OS/VS DL/I  | 1 S E       |
| LINE             | PANEL 2 LINE ART PROGRAM                 | 5796-PPA     |     | 86      |          |          |          | 24         | G320-6420 VM/370,OS/VS        | 1 S H       |
| LINE             | 3800 LINE INSERTER                       | 5796-AZK     |     | 85      |          |          |          | 12         | G320-6393 OS/VS               | 1 S H       |
| LINEAR           | MATHEMATICAL LINEAR PROGRAMMING EXTENDED | 5740-XM3/01  |     | 584     |          |          |          |            | GH19-1090 OS/VS               | 1 I B       |
| LINEAR           | MATHEMATICAL LINEAR PROGRAMMING EXTENDED | 5746-XM2/01  |     | 509     |          |          |          |            | GH19-1090 DOS/VS              | 1 I B       |
| >LINEAR PROGRAMM | LINEAR PROGRAMMING-MEAT BLENDING         | 5798-NQQ     |     | 172     |          |          |          | 12         | GB30-1180 5120 SYSTEM         | 1 S H       |
| >LINEAR PROGRAMM | OPTIMUM BLENDING                         | 5798-NRF     |     | 195     |          |          |          | 12         | GB30-0697 SYSTEM/32           | 1 S H       |
| >LINEAR/PRO      | OPTIMUM BLENDING PROCESS                 | 5701-D51     |     | 113     |          |          |          |            | GH20-0933 SYSTEM/3            | 1 I C       |
| LINK             | DIRECT SWIFT LINK                        | 5740-F15     |     | 1525    |          |          |          |            | GH12-5050 CICS/OS/VS          | 1 S B       |
| LINK             | DIRECT SWIFT LINK                        | 5740-F16     |     | 1805    |          |          |          |            | GH12-5050 IMS/VS              | 1 S B       |
| LINK             | DIRECT SWIFT LINK                        | 5746-F14     |     | 1245    |          |          |          |            | GH12-5133 CICS/DOS/VS,DOS/VSE | 1 S B       |
| LINK             | IMS APL DATA LINK FOR TSO                | 5796-PKM     |     | 442     |          |          |          |            | G320-6065 TSO WITH VSAPL      | 1 S E       |
| LINK             | IMS APL DATA LINK FOR VSPC               | 5796-PLA     |     | 356     |          |          |          |            | G320-6054 VSPC WITH VSAPL     | 1 S E       |
| LINK             | IMS APL DATA LINK FOR VM/CMS             | 5796-PLE     |     | 442     |          |          |          |            | G320-6098 VM/CMS WITH VSAPL   | 1 S E       |
| LINK             | LINK CONTROL FDY IATA 3704 SEP           | 5799-AHP     |     | 450     |          |          |          |            | ACP                           | 1 B         |
| LISP/370         | LIST PROCESSOR 370                       | 5796-PKL     |     | 1500    |          |          |          | 24         | G320-6061 OS/VS2, VM/CMS      | 1 S H       |
| LIST             | LIST PROCESSOR 370                       | 5796-PKL     |     | 1500    |          |          |          | 24         | G320-6061 OS/VS2, VM/CMS      | 1 S H       |
| >LIST            | MEMBERSHIP AND MAILING LIST SYSTEM       | 5726-K11     |     | 123     |          |          |          |            | GH30-0454 SYSTEM/34           | 1 I C       |
| LIST             | ONLINE LIST MAINTENANCE SYSTEM           | 5796-AGT     |     | 450     |          |          |          | 12         | G320-8117 DOS/VS              | 1 S H       |
| LIST             | ONLINE LIST MAINTENANCE SYS. CICS        | 5796-AJH     |     | 450     |          |          |          | 12         | G320-8117 DOS/VS              | 1 S H       |
| LIST             | VSAM CATALOG LIST DOS/VS                 | 5796-ALQ     |     | 70      |          |          |          | 12         | G320-5716 DOS/VS              | 1 I H       |
| LIST             | VSAM CATALOG LIST OS                     | 5796-ALR     |     | 70      |          |          |          | 12         | G320-5716 OS/VS1,SVS,MVS      | 1 I H       |
| LISTER           | ATMS ARCHIVE TAPE CONTENT LISTER         | 5796-AZQ     |     | 85      |          |          |          | 12         | G320-6389 OS/VS               | 1 S H       |
| LISTING          | 3770 3790 ASSEMBLER LISTING POST EDITOR  | 5798-CQZ     |     | 81      |          |          |          | 12         | GB21-2159 DOS/VS,OS/VS1       | 1 I H       |
| LOAD             | DOWNSTREAM LOAD UTILITY                  | 5668-006     |     | 93      | 69       | 5        | 8        |            | GC33-6125 DOS/VSE,OS/VS1      | 1 S K       |
| LOAD             | PRINT LOAD ANALYZER                      | 5798-CXY     |     | 90      |          |          |          | 12         | GB21-2355 OS/VS               | 1 I H       |

| KEYWORD           | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >LOAD FACILITY    | S/1 NATIVE APPL LOAD FAC - VER 2         | 5798-RBR     |     | 172     |          |          |          |    | 12 GB30-1071 | SERIES/1                 | 1 S H       |
| LOADER            | DOS/VS LOADER                            | 5798-CKG     |     | 99      |          |          |          |    | GB21-1900    | DOS/VS                   | 1 S E       |
| >LOADING          | SHOP LOADING AND CONTROL MFG.            | 5702-M51     |     | 215     |          |          |          |    | GH20-1240    | SYSTEM/3                 | 1 I B       |
| >LOAN             | INSTALLMENT LOAN ACCOUNTING BANKING      | 5725-F14     |     | 104     |          |          |          |    | GH30-0362    | SYSTEM/32                | 1 I C       |
| >LOAN             | INSTALLMENT LOAN ACCOUNTING BANKING      | 5726-F14     |     | 170     |          |          |          |    | 6360-0050    | SYSTEM/34                | 1 I D       |
| LOAN              | INSTALLMENT LOAN CALCULATOR              | 5796-AGQ     |     | 265     |          |          |          | 12 | G320-8121    | DOS/VS                   | 1 S H       |
| LOAN              | INSTALLMENT LOAN CALCULATOR              | 5796-AGR     |     | 265     |          |          |          | 12 | G320-8121    | OS/VS                    | 1 S H       |
| >LOAN             | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEN     |     | 276     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >LOAN             | MORTGAGE LOAN ACCTG SYSTEM               | 5796-NNH     |     | 276     |          |          |          | 12 | GB30-1063    | SYSTEM/3                 | 1 S H       |
| LOCAL             | IMS 3270 LOCAL COPY FOR ONLINE PRINTING  | 5796-AHL     |     | 190     |          |          |          | 12 | G320-8150    | IMS/360,IMS/VS           | 1 S H       |
| LOCAL             | VM/CMS SPOOLING FOR LOCAL 328X PRINTER   | 5796-PKZ     |     | 60      |          |          |          | 12 | G320-6073    | VM/CMS                   | 1 S H       |
| >LOCAL GOVERNMENT | ENHANCEMENTS TO PUB BUDG/FIN REP         | 5798-NKF     |     | 81      |          |          |          | 12 | GB30-0956    | SYSTEM/3                 | 1 S H       |
| >LOCAL GOVERNMENT | PUBLIC BUDGETING & FINANCIAL REP         | 5798-NFC     |     | 379     |          |          |          | 12 | GB30-0956    | SYSTEM/3                 | 1 S H       |
| >LOCAL GOVT       | UTILITY BILLING AND RECEIVABLES          | 5701-G24     |     | 100     |          |          |          |    | GH20-0882    | SYSTEM/3                 | 1 I C       |
| LOCATION          | RAILCAR LOCATION & REPORTING SYSTEM      | 5796-AFR     |     | 1335    |          |          |          | 24 | G320-8102    | OS/MVT/VS1,SVS,MVS       | 1 S H       |
| LOG               | IMS LOG TAPE MANAGEMENT SYSTEM           | 5796-AHT     |     | 200     |          |          |          | 12 | G320-8141    | OS/VS2, IMS/VSIMS        | 1 S H       |
| LOG               | IMS/VS EMERGENCY LOG TERMINATOR          | 5796-ATN     |     | 75      |          |          |          |    | G320-6070    | IMS/VS V1R2              | 1 I E       |
| LOG               | SYSTEM LOG DISPLAY AND SEARCH FACILITY   | 5798-DAL     |     | 116     |          |          |          | 12 | GB21-2511    | MVS                      | 1 S H       |
| >LOG              | SYSTEM/38 LOG RECOVERY                   | 5799-BEP     |     | 58      |          |          |          |    | GC21-7913    | SYSTEM/38                | 1 S D       |
| LOG               | TPNS LOG FORMAT                          | 5798-CTX     |     | 100     |          |          |          | 12 | GB21-2239    | OS/VS,5740-XT4           | 1 I H       |
| >LOGGING          | ONLINE ADMINISTRATIVE CONTROL            | 5796-NJJ     |     | 258     |          |          |          | 12 | GB30-0914    | SYSTEM/3                 | 1 S H       |
| LOGGING           | VSE ACCESS CONTROL LOGGING               | 5746-XE7     |     | 48      | 36       | 17       | 28       |    | GH12-5130    | DOS/VSE                  | 1 S K       |
| LONG              | LONG TERM DEBT MANAGEMENT SYSTEM         | 5796-AXZ     |     | 285     |          |          |          | 12 | G320-6330    | VSAPL                    | 1 S H       |
| >LOOPS            | 3640 CICS/VS EXTENSIONS - 4331 LOOPS     | 5799-BEH     |     | 61      | 45       | 6        | 10       |    |              | DOS/VSE,OS/VS1           | 1 S K       |
| >LOT              | PLANT FLOOR COLLECTION & LOT TRACKING    | 5798-DFG     |     | 310     |          |          |          | 12 | GB21-2881    | DPPX+3660                | 1 S H       |
| >LUMBER           | ACCOUNTS RECEIVABLE LUMBER DEALERS       | 5725-D4B     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >LUMBER           | ACCOUNTS RECEIVABLE LUMBER DEALERS       | 5726-D4F     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >LUMBER           | BILLING LUMBER DEALERS                   | 5725-D4F     |     | 98      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >LUMBER           | BILLING LUMBER DEALERS                   | 5726-D4E     |     | 100     |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >LUMBER           | INVENTORY CONTROL LUMBER DEALERS         | 5725-D4D     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >LUMBER           | INVENTORY CONTROL LUMBER DEALERS         | 5726-D4G     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >LUMBER           | S/34 WHOLESALE/RETAIL LUMBER             | 5796-REW     |     | 500     |          |          |          | 12 | GB30-1615    | SYSTEM/34                | 1 S H       |
| >LUMBER           | SALES ANALYSIS LUMBER DEALERS            | 5725-D49     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >LUMBER           | SALES ANALYSIS LUMBER DEALERS            | 5726-D4H     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| M & E             | MAINT ENGR: PROBLEM CORRECTION REPORTING | 5796-ARP     |     | 2780    |          |          |          | 24 | G320-6055    | OS/VS2                   | 1 S H       |
| M & E             | MAINT ENGR: CATALOG INQUIRY PARTS ORDERS | 5796-ARQ     |     | 870     |          |          |          | 24 | G320-6055    | OS/VS2                   | 1 S H       |
| M & E             | MAINT ENGR: COMPONENT MAINTENANCE        | 5796-ARR     |     | 1375    |          |          |          | 24 | G320-6055    | OS/VS2                   | 1 S H       |
| M & E             | MAINT ENGR: TIME ON PARTS / FORECASTING  | 5796-ARW     |     | 1225    |          |          |          | 24 | G320-6055    | OS/VS2                   | 1 S H       |
| M & E             | MAINT ENGR: RELIABILITY                  | 5796-ARX     |     | 505     |          |          |          | 24 | G320-6055    | OS/VS2                   | 1 S H       |
| >M/R              | ADMINISTRAT PROCESSING PROG LIC M/R CODE | 5611-SS1     |     | 389     |          |          |          |    | GC23-0734    | 5520 ADMIN. SYSTEM       | 1 S A       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------------|-------------|
| MACHINE          | TELEPROCESSING VIRTUAL MACHINE           | 5796-PNC     |     | 207     |          |          |          |    | 24           | G320-6328 VM/CMS               | 1 S H       |
| MACHINE          | VIRTUAL MACHINE SYSTEM EXTENSIONS VM/SE  | 5748-XE1     |     | 1345    | 1005     | 148      | 237      |    |              | GC20-1827 VM/CMS               | 2 S K       |
| MACHINE          | VIRTUAL MACHINE DIRECTORY MAINTENANCE    | 5748-XE4     |     | 98      | 73       | 23       | 37       |    |              | GC20-1836 VM/SP/CMS            | 1 S K       |
| MACHINE          | VIRTUAL MACHINE INTERACTIVE FILE SHARING | 5748-XXC     |     | 40      | 30       | 12       | 1        |    |              | GC24-5195 VM/CMS               | 1 S K       |
| MACHINE          | VIRTUAL MACHINE / 370                    | 5749-010     |     |         |          |          |          |    |              | GC20-1800                      | 0 S J       |
| MACHINE          | 3624 TELLER MACHINE IMS/VIS HOST SUPPORT | 5796-BBG     |     | 1725    |          |          |          |    | 12           | G320-6427 MVS,ACF/VTAM         | 1 S H       |
| >MACRO           | BASIC ASSEM LANG & MACRO PROCESSOR PROG  | 5725-AS1     |     | 134     |          |          |          |    |              | GC21-7675 SYSTEM/32            | 1 S A       |
| >MACRO           | BASIC ASSEMBLER AND MACRO PROCESSOR      | 5726-AS1     |     | 134     | 101      |          |          |    |              | GC21-7840 SYSTEM/34            | 1 S A       |
| MACRO            | DOS/VIS TO MVS MACRO CONVERSION AID      | 5785-EBE     |     | 6000    |          |          |          |    | 01           | GB21-2788 DOS/VSE,MVS,VM/CMS   | 0 I H       |
| >MACRO           | EDX MACRO ASSEMBLER                      | 5719-ASA     | R   | 17      |          |          |          |    |              | GS34-0305 SERIES/1             | 1 S C       |
| >MACRO           | EDX MACRO LIBRARY VERSION 1              | 5719-LM5     | R   | 37      |          |          |          |    |              | GC34-0304 SERIES/1             | 1 S C       |
| >MACRO           | EDX MACRO LIBRARY VERSION 2              | 5719-LM6     | R   | 49      |          |          |          |    |              | GC34-0356 SERIES/1             | 1 S E       |
| >MACRO           | EDX MACRO LIBRARY VERSION 3              | 5719-LM7     | R   | 67      |          |          |          |    |              | GC34-1698 SERIES/1             | 1 S E       |
| >MACRO           | EDX MACRO LIBRARY/HOST VERSION 1         | 5740-LM2     |     | 111     |          |          |          |    |              | GC34-0305 SERIES/1             | 1 S C       |
| >MACRO           | EDX MACRO LIBRARY/HOST VERSION 2         | 5740-LM3     |     | 151     |          |          |          |    |              | GC34-0357 SERIES/1             | 1 S C       |
| >MACRO           | EDX MACRO LIBRARY/HOST VERSION 3         | 5740-LM4     |     | 189     |          |          |          |    |              | GC34-1699 SERIES/1             | 1 S E       |
| >MACRO           | MACRO ASSEMBLER                          | 6024-002     |     | 100     |          |          |          |    | 01           | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| MACRO            | 3270 FORMAT MACRO FOR OUTPUT DATA STREAM | 5798-AKL     |     | 27      |          |          |          |    | 12           | GB21-0620 DOS/OS               | 1 S H       |
| MACRO            | 3694 APPLICATION MACRO EXPANSIONS        | 5748-F56     |     | 75      |          | 56       | 16       | 26 |              | GC31-0012 OS/VIS,DOS/VSE       | 1 S K       |
| >MACRO LIBRARY   | EVENT DRIVEN EXEC MACRO LIBRARY          | 5798-NNB     | P   | 28      |          |          |          |    |              | GB30-1052 SERIES/1             | 1 S H       |
| MACROS           | STRUCTURED PROGRAMMING MACROS            | 5798-CLF     |     | 55      |          |          |          |    | 12           | GB21-1957 ASSEMBLERS           | 1 S H       |
| MACROS           | 3790 KEY SEQUENTIAL FILE MACROS          | 5798-CRG     |     | 90      |          |          |          |    | 12           | GB21-2176 DOS/VIS, OS/VSI      | 1 I H       |
| >MAG             | CPS 4969 MAG TAPE SUBSYSTEM              | 5799-TDW     | R   | 56      |          |          |          |    | 24           | GC34-0347 SERIES/1             | 1 S C       |
| >MAG             | 4969 MAG TAPE SUBSYSTEM SUPPORT          | 5719-TA4     | R   | 25      |          |          |          |    |              | GC34-0289 SERIES/1             | 1 S C       |
| >MAGNETIC        | MAGNETIC CARD CONVERSION                 | 5608-SR3     | Q   | 180     |          |          |          |    |              | G544-0851 DISPLAYWRITER        | Y S E       |
| >MAGNETIC MEDIA  | S/1 DATA CAPTURE/INTER EDIT B/C          | 5798-RHP     |     | 150     |          |          |          |    | 12           | GB30-1708 SERIES/1             | 1 S H       |
| >MAGNETIC READER | S/34 MICR PROGRAM GENERATOR              | 5798-RBE     |     | 63      |          |          |          |    | 12           | GB30-1476 SYSTEM/34            | 1 S H       |
| >MAILING         | MEMBERSHIP AND MAILING ASSOCIATIONS      | 5725-K11     |     | 123     |          |          |          |    |              | GH30-0012 SYSTEM/32            | 1 I C       |
| >MAILING         | MEMBERSHIP AND MAILING LIST SYSTEM       | 5726-K11     |     | 123     |          |          |          |    |              | GH30-0454 SYSTEM/34            | 1 I C       |
| >MAINT           | DATA ENTRY AND FILE MAINT MOD 8/10 DISK  | 5702-XX1     |     | 171     |          |          |          |    |              | SC21-5102 SYSTEM/3             | 1 S C       |
| MAINT            | EPIC: SOCRATES ONLINE MAINT SYSTEM       | 5796-AQW     |     | 220     |          |          |          |    | 12           | G320-5814 DOS/VIS,CICS/VIS     | 1 S H       |
| MAINT            | FARE QUOTE / TICKETING TARIFF MAINT FEA. | 5736-T11/02  |     | 10330   |          |          |          |    |              | GH20-0873 ACP                  | 0 I B       |
| MAINT            | MAINT ENGR: PROBLEM CORRECTION REPORTING | 5796-ARP     |     | 2780    |          |          |          |    | 24           | G320-6055 OS/VIS2              | 1 S H       |
| MAINT            | MAINT ENGR: CATALOG INQUIRY PARTS ORDERS | 5796-ARQ     |     | 870     |          |          |          |    | 24           | G320-6055 OS/VIS2              | 1 S H       |
| MAINT            | MAINT ENGR: COMPONENT MAINTENANCE        | 5796-ARR     |     | 1375    |          |          |          |    | 24           | G320-6055 OS/VIS2              | 1 S H       |
| MAINT            | MAINT ENGR: TIME ON PARTS / FORECASTING  | 5796-ARW     |     | 1225    |          |          |          |    | 24           | G320-6055 OS/VIS2              | 1 S H       |
| MAINT            | MAINT ENGR: RELIABILITY                  | 5796-ARX     |     | 505     |          |          |          |    | 24           | G320-6055 OS/VIS2              | 1 S H       |
| >MAINT UTILITIES | S/1 EDX FILE CREATION                    | 5798-RBL     | P   | 46      |          |          |          |    | 12           | GB30-1496 SERIES/1             | 1 S H       |
| MAINTENANCE      | COBOL MAINTENANCE AID DOS                | 5796-AHY     |     | 500     |          |          |          |    | 01           | G320-8146 DOS/VIS              | 1 I H       |
| MAINTENANCE      | COBOL MAINTENANCE AID OS                 | 5796-AHZ     |     | 500     |          |          |          |    | 01           | G320-8146 OS/VIS               | 1 I H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I L | S V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| MAINTENANCE      | DATA BASE ORGANIZATION AND MAINTENANCE   | 5736-XX4/01  |     | 115     |          |          |          |    | GH20-0771    | DOS,DOS/V5               | 2   | S   | C   |
| >MAINTENANCE     | DISTRIBUTED PLANT MAINTENANCE            | 5787-GAA     | P   | 455     |          |          |          |    | GB21-2895    | DPXX                     | 1   | S   | E   |
| >MAINTENANCE     | DPPX POWER PLANT MAINTENANCE             | 5798-DED     |     | 170     |          |          |          | 12 | GB21-2729    | DMS/DPXX                 | 1   | S   | H   |
| >MAINTENANCE     | IPICS ONLINE MAT MGMT/DATA MAINT         | 5798-NLR     |     | 287     |          |          |          | 12 | GB30-1039    | SYSTEM/3                 | 1   | I   | H   |
| MAINTENANCE      | MAINT ENGR: COMPONENT MAINTENANCE        | 5796-ARR     |     | 1375    |          |          |          | 24 | G320-6055    | OS/V5/2                  | 1   | S   | H   |
| MAINTENANCE      | MASS STORAGE TABLE MAINTENANCE PROGRAM   | 5796-PHY     |     | 197     |          |          |          |    | G320-5742    | V51,V52                  | 1   | I   | E   |
| MAINTENANCE      | ONLINE LIST MAINTENANCE SYSTEM           | 5796-AGT     |     | 450     |          |          |          | 12 | G320-8117    | DOS/V5                   | 1   | S   | H   |
| MAINTENANCE      | ONLINE LIST MAINTENANCE SYS. CICS        | 5796-AJH     |     | 450     |          |          |          | 12 | G320-8117    | DOS/V5                   | 1   | S   | H   |
| >MAINTENANCE     | ONLINE FILE MAINT PROGRAM WRITER         | 5798-NWD     |     | 75      |          |          |          | 06 | GB30-1287    | SYSTEM/34                | 1   | S   | H   |
| MAINTENANCE      | PLANT MAINTENANCE EQUIPMENT MANAGEMENT   | 5787-NAD     |     | 1100    |          |          |          | 12 | G320-6401    | DOS/V5E CICS DL/I        | 1   | S   | H   |
| MAINTENANCE      | PLANT MAINTENANCE SPARE PARTS MANAGEMENT | 5787-NAE     |     | 800     |          |          |          | 12 | G320-6402    | DOS/V5E CICS DL/I        | 1   | S   | H   |
| >MAINTENANCE     | S/34 CENTRAL SITE MAINTENANCE            | 5798-RBD     |     | 92      |          |          |          | 06 | GB30-1494    | SYSTEM/34                | 1   | S   | H   |
| >MAINTENANCE     | S/34 EQUIP COSTING/MAINT                 | 5796-RBW     |     | 690     |          |          |          | 12 | GB30-1511    | SYSTEM/34                | 1   | I   | H   |
| MAINTENANCE      | SOURCE PROGRAM MAINTENANCE ONLINE II SPM | 5798-CFT/01  |     | 172     |          |          |          |    | GB21-1696    | DOS/V5,OS/V5 CICS/V5     | 1   | S   | E   |
| MAINTENANCE      | VEHICLE MAINTENANCE AND COST ANALYSIS    | 5798-AAG     |     | 132     |          |          |          | 12 | GB21-0019    | DOS                      | 0   | S   | H   |
| >MAINTENANCE     | VEHICLE MAINTENANCE SCHEDULING           | 5798-AFY     |     | 189     |          |          |          | 12 | GB21-0325    | SYSTEM/3                 | 1   | I   | H   |
| MAINTENANCE      | VIRTUAL MACHINE DIRECTORY MAINTENANCE    | 5748-XE4     |     | 98      | 73       | 23       | 37       |    | GC20-1836    | VM/SP/CMS                | 1   | S   | K   |
| MAINTENANCE      | 3790 INTERACTIVE FILE MAINTENANCE        | 5798-CZQ     |     | 145     |          |          |          | 12 | GB21-2476    | DOS/V5,OS/V5,VM/CMS      | 1   | S   | H   |
| >MAINTENANCE REP | VEHICLE MAINT/PARTS INVENTORY            | 5796-NNN     |     | 460     |          |          |          | 12 | GB30-1067    | SYSTEM/32                | 1   | S   | H   |
| >HALOOF          | REAL ESTATE ACCTG/MKTG SYSTEM            | 5796-NTT     |     | 373     |          |          |          | 12 | GB30-1260    | SYSTEM/32                | 1   | S   | H   |
| MANAGEMENT       | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DAQ     |     | 230     |          |          |          |    | GB21-2521    | CICS/OS/V5               | 1   | I   | E   |
| MANAGEMENT       | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DAT     |     | 189     |          |          |          |    | GB21-2521    | CICS/DOS/V5              | 1   | I   | E   |
| MANAGEMENT       | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DBP     |     | 379     |          |          |          |    | GB21-2568    | OS/V5 IMS/V5             | 1   | I   | E   |
| MANAGEMENT       | ADVANCED TEXT MANAGEMENT SYSTEM III      | 5740-XYL/01  |     | 778     |          |          |          |    | GH20-2404    | OS/V5                    | 2   | S   | B   |
| MANAGEMENT       | ADVANCED TEXT MANAGEMENT SYSTEM III      | 5746-XXU/01  |     | 417     |          |          |          |    | GH20-2404    | DOS/V5                   | 2   | S   | B   |
| >MANAGEMENT      | APL FILE MANAGEMENT                      | 5798-DJK     |     | 1105    |          |          |          | 01 | GB21-2951    | VM/CMS                   | 1   | S   | H   |
| MANAGEMENT       | CHANGE MANAGEMENT TRACKING               | 5740-DC1     |     | 440     |          |          |          |    | GH19-6028    | OS/V5                    | 1   | S   | C   |
| MANAGEMENT       | COBOL PAYROLL MANAGEMENT SYSTEM          | 5798-CYP     |     | 425     |          |          |          | 12 | GB21-2399    | DOS/V5/V5E,COBOL         | 1   | S   | H   |
| MANAGEMENT       | DATA MANAGEMENT MODULE                   | 5796-ATC     | R   | 584     | 333      |          |          |    | G320-6063    | OS/V5,VM/CMS             | 1   | S   | E   |
| MANAGEMENT       | DEVELOPMENT MANAGEMENT SYSTEM / CICS     | 5740-XC5/01  |     | 269     | 201      | 40       | 64       |    | GH20-2195    | CICS/V5/OS               | 1   | S   | K   |
| MANAGEMENT       | DEVELOPMENT MANAGEMENT SYSTEM / CICS     | 5746-XC4/01  |     | 139     | 104      | 40       | 64       |    | GH20-2195    | CICS/V5 DOS              | 1   | S   | K   |
| MANAGEMENT       | DEVELOPMENT MANAGEMENT SYSTEM / DPCX     | 5748-XC4     |     | 632     | 474      | 75       | 120      |    | GH20-2423    | TSO,CICS,CMS             | 1   | S   | K   |
| MANAGEMENT       | DISPLAY MANAGEMENT SYSTEM / 3790         | 5748-XC2/01  |     | 363     |          |          |          |    | GH20-2002    | DOS/V5,OS/V5             | 1   | S   | C   |
| MANAGEMENT       | DISPLAY MANAGEMENT SYSTEM / 3770         | 5748-XC3     |     | 275     |          |          |          |    | GH20-2020    | DOS/V5,OS/V5,CMS         | 1   | S   | C   |
| MANAGEMENT       | DISPLAY MANAGEMENT SYSTEM / CMS          | 5748-XXB     |     | 30      | 22       | 7        | 1        |    | GC24-5197    | VM/BSE/SE/SP             | 1   | S   | K   |
| MANAGEMENT       | DISPLAY MANAGEMENT SYSTEMS               | 5799-AFD     |     | 4125    |          |          |          | 12 | SH20-1745    | 5799-AHE                 | 2   | I   | B   |
| MANAGEMENT       | DL/I SPACE MANAGEMENT UTILITIES          | 5796-PKF     |     | 79      |          |          |          |    | G320-6072    | DOS/V5 DL/I              | 1   | S   | E   |
| >MANAGEMENT      | DMS/DPXX MANAGEMENT AID                  | 5798-DHH     |     | 240     |          |          |          | 01 | GB21-2904    | DMS/DPXX                 | 0   | S   | H   |
| MANAGEMENT       | DPPX DATA BASE TRANSACTION MANAGEMENT    | 5760-TD1     |     | 124     | 93       | 16       | 26       |    | GC26-3915    | DPXX                     | 1   | S   | K   |
| MANAGEMENT       | DPPX DEVELOPMENT MANAGEMENT SYSTEM       | 5760-XC2     |     | 117     | 87       | 50       | 80       |    | GH20-2154    | DPXX                     | 1   | S   | K   |

| KEYWORD     | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #     | T I S P L V |
|-------------|---|--------------|-----|---------|----------|----------|----------|------------|------------------------------|-------------|
| MANAGEMENT  | DPPX DATA CAPTURE AND MANAGEMENT SYSTEM | 5760-XR6     |     | 95      | 71       | 23       | 37       |            | GH20-2421 DPPX               | 1 S K       |
| MANAGEMENT  | EARTH RESOURCES MANAGEMENT II           | 5799-ARX     |     | 2300    |          |          |          | 24         | GB11-5007 VS1                | 1 S C       |
| MANAGEMENT  | ENERGY MANAGEMENT SYSTEM                | 5740-U11     |     | 6765    |          |          |          | 60         | GH20-1496 OS/VS1             | 2 I B       |
| MANAGEMENT  | FINANCIAL MANAGEMENT SYSTEM             | 5785-NAC     |     | 1750    |          |          |          |            | GB21-2679 OS/VS,IMS/VS       | 2 S E       |
| >MANAGEMENT | GROUP LIFE MANAGEMENT SYSTEM            | 5796-PQF     | P   | 655     |          |          |          | 24         | G320-6648 VM,DOS/VSE         | 1 S H       |
| MANAGEMENT  | HEALTH CARE: REVENUE MANAGEMENT SYSTEM  | 5798-BDG     |     | 212     |          |          |          | 12         | GB21-1345 DOS/VS             | 1 I H       |
| MANAGEMENT  | HOSPITAL PAYROLL MANAGEMENT SYS         | 5796-AJQ     |     | 385     |          |          |          | 12         | G320-5651 DOS/VS             | 1 I H       |
| MANAGEMENT  | IMS LOG TAPE MANAGEMENT SYSTEM          | 5796-AHT     |     | 200     |          |          |          | 12         | G320-8141 OS/VS2, IMS/VSIMS  | 1 S H       |
| MANAGEMENT  | IMS SPACE MANAGEMENT UTILITIES II       | 5796-PJJ     |     | 140     |          |          |          |            | G320-5753 IMS/VS VIR2        | 1 S E       |
| MANAGEMENT  | IMS/VS ONLINE DATA MANAGEMENT UTILITY   | 5796-AQZ     |     | 170     |          |          |          | 12         | G320-5820 OS/VS              | 1 S H       |
| MANAGEMENT  | INFORMATION MANAGEMENT SYSTEM VERS 2    | 5734-XX6/01  |     | 646     |          |          |          |            | GH20-0765 OS/MFT/MVT/VS1/VS2 | 2 S C       |
| MANAGEMENT  | INFORMATION / MANAGEMENT - OZS          | 5735-OZS/03  |     | 76      | 57       | 5        | 8        |            | GC34-2053 6050               | 1 S K       |
| MANAGEMENT  | INFORMATION MANAGEMENT SYSTEM           | 5740-XX2/01  |     | 1310    | 982      | 140      | 224      |            | GH20-1260 OS/VS              | 2 S K       |
| MANAGEMENT  | INSTALLATION MANAGEMENT DOCUMENTATION   | 5798-CZW     |     | 90      |          |          |          | 12         | GB21-2481 OS/VS              | 1 I H       |
| >MANAGEMENT | INVENTORY MANAGEMENT MANUFACTURING      | 5714-M45     |     | 78      | 59       |          |          |            | GH30-0708 SYSTEM/38          | 1 I D       |
| >MANAGEMENT | INVENTORY MANAGEMENT MFG                | 5725-M35     |     | 63      |          |          |          |            | GH30-0032 SYSTEM/32          | 1 I C       |
| >MANAGEMENT | INVENTORY MANAGEMENT MFG                | 5726-M35     |     | 63      |          |          |          |            | GH30-0220 SYSTEM/34          | 1 I C       |
| >MANAGEMENT | INVENTORY MANAGEMENT MFG                | 5726-M45     |     | 93      | 70       |          |          |            | GH30-0221 SYSTEM/34          | 1 I D       |
| MANAGEMENT  | INVESTMENT PORTFOLIO MANAGEMENT SYSTEM  | 5796-AHW     |     | 2830    |          |          |          | 12         | G320-8144 OS/VS2, IMS/VS     | 1 S H       |
| MANAGEMENT  | LABORATORY DATA MANAGEMENT ENHANCED     | 5796-APB     |     | 1200    |          |          |          | 12         | G320-8134                    | 1 S H       |
| MANAGEMENT  | LABORATORY DATA MANAGEMENT SYSTEM II    | 5796-AWC     |     | 1450    |          |          |          | 24         | G320-6080 DOS/VS             | 1 S H       |
| MANAGEMENT  | LONG TERM DEBT MANAGEMENT SYSTEM        | 5796-AXZ     |     | 285     |          |          |          | 12         | G320-6330 VSAPL              | 1 S H       |
| >MANAGEMENT | MANAGEMENT SYSTEM FOR LAW FIRMS         | 5726-F52     |     | 377     |          |          |          |            | GH30-0124 SYSTEM/34          | 1 I D       |
| >MANAGEMENT | MEDICAL GROUP MANAGEMENT SYSTEM CLINICS | 5725-H15     |     | 163     |          |          |          |            | GH30-0310 SYSTEM/32          | 1 I C       |
| >MANAGEMENT | MEDICAL GROUP MANAGEMENT SYSTEM CLINICS | 5726-H15     |     | 163     |          |          |          |            | GH30-0228 SYSTEM/34          | 1 I C       |
| MANAGEMENT  | NETWORK ERROR MANAGEMENT FACILITY       | 5798-DAW     |     | 112     |          |          |          |            | GB21-2527 CICS/VS            | 1 S E       |
| MANAGEMENT  | NETWORK ERROR MANAGEMENT FACILITY - IMS | 5798-DBN     |     | 185     |          |          |          |            | GB21-2566 OS/VS              | 1 S E       |
| MANAGEMENT  | OS/VS CAPACITY MANAGEMENT AID           | 5798-CJB     |     | 157     |          |          |          | 12         | GB21-1834 OS/VS1,VS2         | 1 S H       |
| MANAGEMENT  | PAYROLL MANAGEMENT SYSTEM               | 5798-CBR     |     | 300     |          |          |          | 12         | GB21-1453 DOS/VS RPG II      | 1 I H       |
| MANAGEMENT  | PLANT MAINTENANCE EQUIPMENT MANAGEMENT  | 5787-NAD     |     | 1100    |          |          |          | 12         | G320-6601 DOS/VSE CICS DI/I  | 1 S H       |
| >MANAGEMENT | PRODUCT DATA MANAGEMENT MFG PDM         | 5714-M46     |     | 136     | 102      |          |          |            | GH30-0709 SYSTEM/38          | 1 I D       |
| >MANAGEMENT | PRODUCT DATA MANAGEMENT MFG             | 5726-M46     |     | 154     | 116      |          |          |            | GH30-0221 SYSTEM/34          | 1 I D       |
| MANAGEMENT  | PROJECT MANAGEMENT SYSTEM IV            | 5734-XP4/01  |     | 71      |          |          |          |            | GH20-0855 OS/VS              | 1 I B       |
| >MANAGEMENT | RPS REMOTE MANAGEMENT UTILITY           | 5799-TDH     | R   | 7       |          |          |          |            | GC34-1663 SERIES/1           | 1 S C       |
| >MANAGEMENT | SNA REMOTE MANAGEMENT UTILITY RPS       | 5799-TEF     | R   | 9       |          |          |          |            | GC34-1711 SERIES/1           | 1 S E       |
| >MANAGEMENT | SYSTEM ERROR MANAGEMENT FACILITY        | 5798-DGD     |     | 55      |          |          |          |            | GB21-2834 DOS/VSE,CICS/VS    | 1 S E       |
| >MANAGEMENT | SYSTEM ERROR MANAGEMENT FACILITY        | 5798-DGE     |     | 65      |          |          |          |            | GB21-2836 OS/VS,CICS/VS      | 1 S E       |
| >MANAGEMENT | SYSTEM ERROR MANAGEMENT FACILITY        | 5798-DGF     | P   | 140     |          |          |          |            | GB21-2838 IMS/VS             | 1 S E       |
| >MANAGEMENT | TEXT MANAGEMENT                         | 5799-BFZ     |     | 50      |          |          |          |            | GC21-7925 SYSTEM/38          | 1 S A       |
| MANAGEMENT  | VSE VSAM SPACE MANAGEMENT FOR SAM       | 5746-AM2/02  |     | 32      | 24       | 7        | 11       |            | GC24-5143 6073-6074          | 1 S K       |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD        | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MD   | ENVIRONMENT DR FEATURE # | T I S P L V |
|----------------|---|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| MANAGEMENT     | 3650 STORE DATA MANAGEMENT              | 5748-D22     |     | 21      |          |          |          | 48 GH20-2150 | DOS/VS,OS/VS1,MVS        | 1 S A       |
| MANAGEMENT     | 3650 STORE MERCHANDISE MANAGEMENT       | 5798-DCB     |     | 1305    |          |          |          | 01 GB21-2583 | OS/VS, DOS/VS            | 1 S H       |
| MANAGEMENT     | 3650 STORE RESOURCE MANAGEMENT SYSTEM   | 5798-DDC     |     | 1585    |          |          |          | 01 GB21-2591 | OS/VS, DOS/VS            | 1 S H       |
| MANAGEMENT     | 8100 DPPX PAYROLL MANAGEMENT SYSTEM     | 5798-DDD     |     | 300     |          |          |          | 12 GB21-2666 | DPPX/BASE                | 1 S H       |
| >MANAGER       | DATA SET & FREE SPACE MANAGER           | 5796-PPN     |     | 105     |          |          |          | 12 G320-6654 | MVS                      | 1 S H       |
| MANAGER        | DISK WORK FILE MANAGER FOR DOS/VS       | 5796-ANK     |     | 100     |          |          |          | 12 G320-5741 | DOS/VS                   | 1 S H       |
| >MANAGER       | EDX MULTIPLE TERMINAL MANAGER           | 5719-MS1     | R   | 20      |          |          |          | GC34-0346    | SERIES/1                 | 1 S C       |
| >MANAGER       | EDX MULTIPLE TERMINAL MANAGER VERSION 2 | 5719-MS2     | R   | 22      |          |          |          | GC34-0346    | SERIES/1                 | 1 S E       |
| MANAGER        | GRAPHIC DATA DISPLAY MANAGER            | 5748-XXH/01  |     | 105     | 78       | 30       | 48       | GC33-0100    | TSD VM CICS IMS VSPC     | 1 S K       |
| MANAGER        | HEALTH CARE: PATIENT DATA MANAGER       | 5796-AYQ     |     | 225     |          |          |          | 12 G320-6343 | DOS/VS,OS/VS             | 1 S H       |
| MANAGER        | MVS HIERARCHICAL STORAGE MANAGER        | 5740-XRB     |     | 420     | 315      | 94       | 150      | GH35-0007    | MVS                      | 1 S K       |
| >MANAGER       | RPS MULTIPLE TERMINAL MANAGER           | 5799-TCY     | R   | 921     |          |          |          | SC34-1658    | SERIES/1                 | 1 S C       |
| >MANAGER       | RPS MULT TERMINAL MANAGER V 2           | 5799-TDX     |     | 1550    |          |          |          | 12 GC34-1691 | SERIES/1                 | 1 S E       |
| MANAGER        | TSD EXTENDED DISPLAY SESSION MANAGER    | 5740-XE2     |     | 278     |          |          |          | GC28-0911    | MVS/TSD                  | 1 S B       |
| >MANAGER       | VSE/ICCF AUTOMATED LIBRARY MANAGER      | 5798-DJR     |     | 330     |          |          |          | 01 GB21-2956 | DOS/VSE ICCF             | 1 S H       |
| >MANIFESTING   | S/34 ONLINE FREIGHT BILL/RATE           | 5796-NZX     |     | 345     |          |          |          | 12 GB30-1461 | SYSTEM/34                | 1 S H       |
| MANIPULATION   | DATA RETRIEVAL MANIPULATION UTILITY     | 5798-DBC     |     | 48      |          |          |          | 12 GB21-2535 | DOS/VSE, DOS/VS          | 1 I H       |
| >MANUFACTURERS | S/34 MFRS INVTY FORECASTING             | 5798-RDC     |     | 400     |          |          |          | 12 GB30-1532 | SYSTEM/34                | 1 S H       |
| >MANUFACTURING | ACCOUNTS PAYABLE MANUFACTURING          | 5714-M43     |     | 61      | 46       |          |          | GH30-0710    | SYSTEM/38                | 1 I D       |
| >MANUFACTURING | ACCOUNTS RECEIVABLE MANUFACTURING       | 5714-M44     |     | 61      | 46       |          |          | GH30-0708    | SYSTEM/38                | 1 I D       |
| >MANUFACTURING | FORECAST MODEL SELECT - WALLED L        | 5796-ACP     |     | 62      |          |          |          | 12 G320-1434 | SYSTEM/3                 | 1 I H       |
| >MANUFACTURING | INVENTORY MANAGEMENT MANUFACTURING      | 5714-M45     |     | 78      | 59       |          |          | GH30-0708    | SYSTEM/38                | 1 I D       |
| >MANUFACTURING | IPICS--CAPACITY PLANNING                | 5798-NCY     |     | 172     |          |          |          | 12 GB30-0691 | SYSTEM/3                 | 1 I H       |
| >MANUFACTURING | IPICS--PRODUCTION CONTROL               | 5798-NCZ     |     | 402     |          |          |          | 12 GB30-0694 | SYSTEM/3                 | 1 I H       |
| >MANUFACTURING | MANUFACTURING DATA GENERATORS           | 5796-NTB     |     | 81      |          |          |          | 06 GB30-1222 | SYSTEM/32                | 1 S H       |
| >MANUFACTURING | PAYROLL MANUFACTURING                   | 5714-M42     |     | 77      | 58       |          |          | GH30-0710    | SYSTEM/38                | 1 I D       |
| >MANUFACTURING | S/34 BAR CODE PRINT FOR MAPICS          | 5798-RHN     |     | 150     |          |          |          | 06 GB30-1706 | SYSTEM/34                | 1 S H       |
| >MANUFACTURING | S/34 MFG ORDER TRACKING SUBSYS          | 5798-RCT     |     | 104     |          |          |          | 06 GB30-1536 | SYSTEM/34                | 1 S H       |
| >MANUFACTURING | 5120 JOB SHOP SYS - JOB COST            | 5796-RCB     |     | 287     |          |          |          | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >MANYFONT      | MANYFONT TEXT PROCESSING TYPE FACES     | 5796-PPF     |     | 120     |          |          |          | 12 G320-6634 | VM/CMS, DCF              | 1 S H       |
| >MAP           | CPS 4978/4979 DISPLAY MAP               | 5799-TBE     | R   | 5       |          |          |          | 24 GC34-1585 | SERIES/1                 | 1 S C       |
| MAP            | DISK VOLUME MAP                         | 5796-PFL     |     | 70      |          |          |          | 12 G320-5550 | OS/HVT/MFT, OS/VS        | 1 I H       |
| MAP            | DOS MAP DL/1                            | 5796-PCW     |     | 70      |          |          |          | 12 G320-8159 | DL/1 DOS/VS              | 0 S H       |
| MAP            | DPPX INTERACTIVE MAP DEFINITION FEATURE | 5660-264/02  |     | 151     | 113      | 16       | 25       | GC33-0122    | 6000                     | 1 S K       |
| MAP            | DPPX INTERACTIVE MAP DEFINITION FEATURE | 5760-XR1/02  |     | 103     | 77       | 13       | 21       | GC33-0090    | 6000                     | 1 S K       |
| MAP            | IMS MAP                                 | 5796-PBC     |     | 363     |          |          |          | 01 G320-1523 | OS/VS IMS/VS             | 0 S H       |
| MAP            | VSAM CONTROL AREA FREESPACE MAP UTILITY | 5796-AYX     |     | 90      |          |          |          | 12 G320-6346 | OS/VS                    | 1 S H       |
| >MAPICS        | ACCOUNTS PAYABLE MANUFACTURING          | 5714-M43     |     | 61      | 46       |          |          | GH30-0710    | SYSTEM/38                | 1 I D       |
| >MAPICS        | ACCOUNTS RECEIVABLE MANUFACTURING       | 5714-M44     |     | 61      | 46       |          |          | GH30-0708    | SYSTEM/38                | 1 I D       |
| >MAPICS        | ACCOUNTS PAYABLE DISTR MFG MAPICS       | 5726-M43     |     | 70      | 53       |          |          | GH30-0221    | SYSTEM/34                | 1 I D       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I S | L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| >MAPICS          | ACCOUNTS RECEIVABLE MFG                  | 5726-M44     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | CAPACITY REQUIREMENTS PLANNING CRP MFG   | 5714-M46     |     | 149     | 112      |          |          |    | GH30-0482    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | CAPACITY REQUIREMENTS PLANNING MFG CRP   | 5726-M46     |     | 149     | 112      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | DATA COLL SYS SUPPORT 5230 MFG DCSS      | 5714-M4A     |     | 100     | 75       |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | DATA COLLECTION SYSTEM SUPPORT MFG 5230  | 5726-M4A     |     | 109     | 82       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | GENERAL LEDGER MFG                       | 5714-M47     |     | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | GENERAL LEDGER DISTR MFG MAPICS          | 5726-M47     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | INVENTORY MANAGEMENT MANUFACTURING       | 5714-M45     |     | 78      | 59       |          |          |    | GH30-0708    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | INVENTORY MANAGEMENT MFG                 | 5726-M45     |     | 93      | 70       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | MATERIAL REQUIREMENTS PLANNING MRP MFG   | 5714-M4B     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | MATERIAL REQUIREMENTS PLANNING MFG MRP   | 5726-M4B     |     | 169     | 127      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | ORDER ENTRY AND INVOICING OE&I           | 5714-M49     |     | 91      | 68       |          |          |    | GH30-0708    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | ORDER ENTRY AND INVOICING MFG            | 5726-M49     |     | 104     | 78       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | PAYROLL MANUFACTURING                    | 5714-M42     |     | 77      | 58       |          |          |    | GH30-0710    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | PAYROLL DISTRIBUTORS MFG MAPICS          | 5726-M42     |     | 95      | 71       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | PRODUCTION CONTROL AND COSTING PCC MFG   | 5714-M41     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | PRODUCT DATA MANAGEMENT MFG PDM          | 5714-M46     |     | 136     | 102      |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | PRODUCTION CONTROL AND COSTING MFG PC&C  | 5726-M41     |     | 169     | 127      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | PRODUCT DATA MANAGEMENT MFG              | 5726-M46     |     | 154     | 116      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPICS          | S/34 BAR CODE PRINT FOR MAPICS           | 5798-RHN     |     | 150     |          |          |          | 06 | GB30-1706    | SYSTEM/34                | 1   | S   | H   |
| >MAPICS          | S/34 MFG ORDER TRACKING SUBSYS           | 5798-RCT     |     | 104     |          |          |          | 06 | GB30-1536    | SYSTEM/34                | 1   | S   | H   |
| >MAPICS          | S/34 MFRS INVTY FORECASTING              | 5798-RDC     |     | 400     |          |          |          | 12 | GB30-1532    | SYSTEM/34                | 1   | S   | H   |
| >MAPICS          | SALES ANALYSIS MFG                       | 5714-M48     |     | 77      | 58       |          |          |    | GH30-0708    | SYSTEM/38                | 1   | I   | D   |
| >MAPICS          | SALES ANALYSIS MFG                       | 5726-M48     |     | 93      | 70       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MAPPING         | DATA BASE STRUCTURE MAPPING / VS         | 5796-PCY     |     | 288     |          |          |          | 01 | G320-1538    | OS/VS1/VS2,IMS/VS        | 0   | S   | H   |
| >MAPPING         | DIGITAL INTERACTIVE GRAPHICS / MAPPING   | 5668-959     |     | 600     |          |          |          |    | GH20-5508    | 5799-AYB                 | 1   | S   | B   |
| >MARK READER     | OPTICAL MARK READER SUPPORT              | 5798-NRC     |     | 575     |          |          |          | 01 | GB30-1202    | 5120 SYSTEM              | 1   | S   | H   |
| MASS             | MASS STORAGE SYSTEM EXTENSIONS FOR 3850  | 5740-XYG     |     | 261     | 195      | 40       | 64       |    | GH35-0034    | OS/VS,MVS/XA             | 1   | S   | K   |
| MASS             | MASS STORAGE TABLE MAINTENANCE PROGRAM   | 5796-PHY     |     | 197     |          |          |          |    | G320-5742    | VS1,VS2                  | 1   | I   | E   |
| MASTER           | CPU CONSOLE AS CICS MASTER TERMINAL      | 5798-ANK     |     | 60      |          |          |          | 12 | GB21-0800    | OS/DOS CICS              | 1   | S   | H   |
| MASTER           | IMS MASTER TERMINAL OPERATOR ASSIST      | 5798-CLK     |     | 40      |          |          |          | 12 | GB21-1969    | OS/VS                    | 1   | S   | H   |
| MASTER           | IMS/VS MASTER TERMINAL OPERATOR TRAINING | 5798-DEG     |     | 75      |          |          |          | 12 | GB21-2736    | IIS,IIPS                 | 1   | L   | H   |
| MASTER-CHARGE    | DATA ENTRY FOR VISA & MASTER-CHARGE      | 5798-CZN     |     | 600     |          |          |          | 12 | GB21-2472    | 8100/DPCX 3790           | 1   | S   | H   |
| MATERIAL         | COPICS BILL OF MATERIAL ON LINE II       | 5785-GBA     |     | 95      |          |          |          |    | GB21-2638    | DOS/VSE OS/VS DL/I       | 1   | S   | E   |
| MATERIAL         | COPICS BILL MATERIAL BATCH UTILITIES II  | 5785-GBC     |     | 50      |          |          |          |    | GB21-2640    | DOS/VSE OS/VS DL/I       | 1   | S   | E   |
| MATERIAL         | COPICS MATERIAL REQUIREMENTS PLANNING II | 5785-GBF     |     | 105     |          |          |          |    | GB21-2646    | DOS/VSE OS/VS DL/I       | 1   | S   | E   |
| >MATERIAL        | MATERIAL REQUIREMENTS PLANNING MRP MFG   | 5714-M4B     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MATERIAL        | MATERIAL REQUIREMENTS PLANNING MFG MRP   | 5726-M4B     |     | 169     | 127      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MATERIAL        | S/34 WHOLESAL/RETAIL LUMBER              | 5796-REW     |     | 500     |          |          |          | 12 | GB30-1615    | SYSTEM/34                | 1   | S   | H   |
| >MATERIAL REQ PL | IPICS MATERIAL REQ PLAN VERS II          | 5798-NLL     |     | 195     |          |          |          | 24 | GB30-1030    | SYSTEM/3                 | 1   | I   | H   |

| KEYWORD           | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-------------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| >MATERIAL REQ PL  | PIPICS -- MATERIAL REQ PLANNING          | 5798-NJZ     |     | 212     |          |          |          | 24 GB30-0938    | SYSTEM/3                 | 1 I H       |
| >MATERIAL REQUIR  | S/34 MFRS INVTY FORECASTING              | 5798-RDC     |     | 400     |          |          |          | 12 GB30-1532    | SYSTEM/34                | 1 S H       |
| >MATERIALS MGMENT | IPICS ONLINE MAT MGMENT/DATA MAINT       | 5798-NLR     |     | 287     |          |          |          | 12 GB30-1039    | SYSTEM/3                 | 1 I H       |
| >MATH             | EDX MATH & FUNCTIONAL SUBROUTINE LIBRARY | 5719-LM3     | R   | 10      |          |          |          | GC34-0137       | SERIES/1                 | 1 S C       |
| MATH              | ELEMENTARY MATHEMATICS                   | 5796-APC     |     | 260     |          |          | 24       | G320-5804       | IIS,IIPS (NOT IMS)       | 1 L H       |
| >MATH             | MATH & FUNCTIONAL SUBROU LIBRARY (MFSL)  | 5719-LM1     | R   | 9       |          |          |          | GC34-0138       | SERIES/1                 | 1 S C       |
| >MATH             | MATH - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC6     |     | 603     |          |          | 01       | GH30-0395       | 5120 SYSTEM              | 3 L C       |
| >MATH             | MATH - BASIC                             | 5721-XM1     |     | 603     |          |          | 01       | G580-0040       | 5100 SYSTEM              | 3 L C       |
| >MATH             | MATH - APL                               | 5721-XM2     |     | 603     |          |          | 01       | G580-0040       | 5100 SYSTEM              | 3 L C       |
| MATH              | MATH / BASIC                             | 5734-XM8     |     | 55      |          |          |          | GH20-1128       | CMS,VSPC                 | 1 S C       |
| >MATH             | SUBROUTINE LIBRARY - MATH                | 5725-XM1     |     | 94      |          |          |          | GH30-0182       | SYSTEM/32                | 1 S B       |
| >MATH/BASIC       | MATH/BASIC MOD 6                         | 5703-XM2     |     | 62      |          |          |          | GH20-1128       | SYSTEM/3                 | 1 S C       |
| >MATHEMATICAL     | MATHEMATICAL AND FUNCTIONAL SUBROUTINE   | 5719-LM2     | R   | 10      |          |          |          | GC34-0138       | SERIES/1                 | 1 S C       |
| MATHEMATICAL      | MATHEMATICAL LINEAR PROGRAMMING EXTENDED | 5740-XM3/01  |     | 584     |          |          |          | GH19-1090       | DOS/VS                   | 1 I B       |
| MATHEMATICAL      | MATHEMATICAL LINEAR PROGRAMMING EXTENDED | 5746-XM2/01  |     | 509     |          |          |          | GH19-1090       | DOS/VS                   | 1 I B       |
| MATHEMATICS       | ELEMENTARY MATHEMATICS                   | 5796-APC     |     | 260     |          |          | 24       | G320-5804       | IIS,IIPS (NOT IMS)       | 1 L H       |
| MATHEMATICS       | PROCEDURE LIBRARY - MATHEMATICS          | 5734-XM3     |     | 102     |          |          |          | GH20-0854       | OS                       | 1 S C       |
| MATHEMATICS       | SUBROUTINE LIBRARY - MATHEMATICS         | 5736-XM7     |     | 110     |          |          |          | GH12-5103       | DOS/VS                   | 1 S C       |
| MATRIX            | MATRIX GENERATOR REPORT WRITER FOR MPSX  | 5734-XMC     |     | 509     |          |          |          | GH19-5012       | OS/MFT/MVT               | 1 I B       |
| MCGILL            | MCGILL U SYSTEM - INTERACTIVE COMPUTING  | 5796-PQA     |     | 545     |          |          |          | G320-6629       | VM/CMS                   | 1 S E       |
| >MEASUREMENT      | RESOURCE MEASUREMENT FACILITY VERSION 3  | 5665-274     | P   | 700     | 525      | 50       | 80       | GC28-1115       | MVS/XA                   | 2 S K       |
| MEASUREMENT       | RESOURCE MEASUREMENT FACILITY VERSION 2  | 5740-XV4     |     | 380     | 285      | 13       | 21       | GC28-0921       | MVS                      | 1 S K       |
| >MEASUREMENTS     | S/34 GRAPHING SYSTEM                     | 5798-NMQ     |     | 69      |          |          | 06       | GB30-1315       | SYSTEM/34                | 1 S H       |
| >MEAT BLENDING    | LINEAR PROGRAMMING-MEAT BLENDING         | 5798-NMQ     |     | 172     |          |          | 12       | GB30-1180       | 5120 SYSTEM              | 1 S H       |
| >MEAT BLENDING    | OPTIMUM BLENDING                         | 5798-NRF     |     | 195     |          |          | 12       | GB30-0697       | SYSTEM/32                | 1 S H       |
| >MEAT PACKING     | LINEAR PROGRAMMING-MEAT BLENDING         | 5798-NMQ     |     | 172     |          |          | 12       | GB30-1180       | 5120 SYSTEM              | 1 S H       |
| >MECHANICAL       | S/34 CONSTRUCTION EST-MGR EXTENS         | 5796-NYE     |     | 460     |          |          | 12       | GB30-1355       | SYSTEM/34                | 1 S H       |
| >MEDIA            | JUDD & DETWEILER - P I C A S             | 5796-ABS     |     | 217     |          |          | 12       | G320-1432       | SYSTEM/3                 | 1 I H       |
| >MEDICAL          | MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | 5725-H15     |     | 163     |          |          |          | GH30-0310       | SYSTEM/32                | 1 I C       |
| >MEDICAL          | MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | 5726-H15     |     | 163     |          |          |          | GH30-0228       | SYSTEM/34                | 1 I C       |
| >MEDICAL          | MEDICAL GROUP MGMT SYSTEM II CLINICS     | 5726-H16     |     | 260     | 195      |          |          | GH30-0228       | SYSTEM/34                | 1 I D       |
| MEDICAL           | MEDICAL RECORD ABSTRACT SYSTEM           | 5796-AYL     |     | 747     |          |          | 24       | G320-6341       | DOS/VSE                  | 1 S H       |
| >MEDICAL          | PATIENT ORDER MGMENT/COMM SYS            | 5796-NRA     |     | 805     |          |          | 12       | GB30-1165       | SYSTEM/3                 | 1 S H       |
| >MEDICAL          | S/1 EDX RETAIL PHARMACY SYSTEM           | 5796-NZT     |     | 195     |          |          | 24       | GB30-1421       | SERIES/1                 | 1 S H       |
| >MEDICAL GROUP    | S/34 ONLINE APPOINTMENT SYSTEM           | 5796-NZP     |     | 258     |          |          | 12       | GB30-1440       | SYSTEM/34                | 1 S H       |
| >MEDICAL PRACTIC  | S/23 PHYSICIAN MEDICAL SYS               | 5796-ZAW     |     | 6500    |          |          | 01       | GB30-1752       | SYS/23 DATAMASTER        | 1 I H       |
| >MEDICAL RECORDS  | DRUID CITY--PSRO HOSP UTILIZATN          | 5796-NBE     |     | 172     |          |          | 12       | GB30-0592       | SYSTEM/3                 | 1 I H       |
| >MEDICAL RECORDS  | O/L MED RECORDS SYS - 12/15/15D          | 5796-NRB     |     | 288     |          |          | 12       | GB30-1198       | SYSTEM/3                 | 1 S H       |
| >MEDICARE         | HOSPITAL REVENUE MGMENT - PHIL. GR       | 5796-AEA     |     | 155     |          |          | 12       | G320-8079       | SYSTEM/3                 | 1 I H       |
| >MEETING SCHEDUL  | S/34 CALENDAR MANAGEMENT SYSTEM          | 5798-NZB     |     | 316     |          |          | 12       | GB30-1401       | SYSTEM/34                | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >MEMBERSHIP      | MEMBERSHIP AND MAILING ASSOCIATIONS      | 5725-K11     |     | 123     |          |          |          |    | GH30-0012    | SYSTEM/32                | 1 I C       |
| >MEMBERSHIP      | MEMBERSHIP AND MAILING LIST SYSTEM       | 5726-K11     |     | 123     |          |          |          |    | GH30-0454    | SYSTEM/34                | 1 I C       |
| >MEMBERSHIP      | ONLINE MEMBERSHIP SYSTEM                 | 5798-DGH     |     | 563     |          |          |          | 24 | GB21-2850    | VM/CMS                   | 1 S H       |
| MEMO             | DEMAND DEPOSIT / SAVINGS MEMO POST       | 5796-AZF     |     | 822     |          |          |          | 24 | G320-6350    | CIGS/VS TO DL/I          | 1 S H       |
| >MERCHANDISE     | MERCHANDISE CONTROL RETAIL               | 5726-YA3     |     | 366     | 274      |          |          |    | GH30-0136    | SYSTEM/34                | 1 I D       |
| >MERCHANDISE     | RETAIL MERCHANDISE TICKETING             | 5796-BCA     |     | 250     |          |          |          | 24 | G320-6625    | DPFX                     | 1 S H       |
| MERCHANDISE      | 3650 STORE MERCHANDISE MANAGEMENT        | 5798-DCB     |     | 1305    |          |          |          | 01 | GB21-2583    | OS/VS, DOS/VS            | 1 S H       |
| >MERCHANDISING   | DATA CONVERSION SYSTEM                   | 5798-NXA     |     | 113     |          |          |          | 24 | GB30-1290    | SYSTEM/3                 | 1 S H       |
| >MERCHANDISING   | RETAIL MERCHANDISING SYSTEM              | 5796-NPA     |     | 391     |          |          |          | 12 | GB30-1081    | SYSTEM/32                | 1 S H       |
| MERCHANT         | 3790 DATA ENTRY FOR MERCHANT SALES DRAFT | 5798-CZ1     |     | 625     |          |          |          | 12 | GB21-2453    | DOS/VS, OS/VS            | 1 S H       |
| MERGE            | DOS SORT MERGE                           | 5743-SM1     |     | 43      |          |          |          |    | GC33-4020    | DOS                      | 1 S C       |
| MERGE            | DOS/VS SORT MERGE                        | 5746-SM1     |     | 68      |          |          |          |    | GC33-4030    | DOS/VS                   | 1 S C       |
| MERGE            | DOS/VS SORT MERGE VERSION 2              | 5746-SM2     |     | 101     | 76       | 11       | 18       |    | GC33-4043    | DOS/VS, VM/SP/CMS        | 1 S K       |
| MERGE            | DPX SORT MERGE                           | 5760-SM1     |     | 28      | 21       | 12       | 19       |    | GC26-3931    | DPFX                     | 1 S K       |
| MERGE            | OS SORT / MERGE                          | 5734-SM1     |     | 66      |          |          |          |    | GC33-4022    | OS/MET/MVT/VS            | 1 S C       |
| MERGE            | OS/VS SORT MERGE                         | 5740-SM1     |     | 231     | 173      | 16       | 26       |    | GC33-4033    | OS/VS                    | 1 S K       |
| MESH             | 3D MESH GEOMETRY MODULE                  | 5796-AWR     | R   | 428     | 244      |          |          |    | G320-6063    | OS/VS, VM/CMS            | 0 S H       |
| MESSAGE          | COMMUNICATION ORIENTED MESSAGE SYSTEM    | 5668-007     |     | 417     |          |          |          |    | GH12-5127    | OS/VS CIGS DL/I          | 1 S E       |
| MESSAGE          | COMMUNICATION ORIENTED MESSAGE SYSTEM    | 5746-XXM     |     | 417     |          |          |          |    | GH12-5127    | DOS/VS                   | 2 S B       |
| MESSAGE          | IMS/VS MESSAGE REQUEVER                  | 5796-ATP     |     | 109     |          |          |          |    | G320-6071    | IMS/VS VIR2              | 1 I E       |
| MESSAGE          | IMS/VS MESSAGE FORMAT SERVICES TRAINING  | 5798-CKY     |     | 242     |          |          |          | 12 | GB21-1933    | IIS, IIPS                | 1 L H       |
| >MESSAGE ROUTING | S/1 EDX CF II                            | 5798-RDT     | P   | 55      |          |          |          | 36 | GB30-1593    | SERIES/1                 | 1 S H       |
| >MESSAGE ROUTING | S/1 SPEC TERM INTERFACE PROCESSO         | 5798-RBQ     |     | 120     |          |          |          | 24 |              | SERIES/1                 | 1 S H       |
| >MESSAGE SWITCH  | S/34 FILE EXTRACT/COMMUNICATION          | 5798-RDD     |     | 75      |          |          |          | 06 | GB30-1576    | SYSTEM/34                | 1 S H       |
| >METAL CUTTING   | S/34 STRIP & BAR CUTTING OPTIMIZ         | 5798-NZC     |     | 75      |          |          |          | 12 | GB30-1406    | SYSTEM/34                | 1 S H       |
| METHOD           | CONSUMER TERMINAL ACCESS METHOD - CTAM   | 5799-AZN     |     | 290     |          |          |          |    | GH20-4576    | 3624 DEVICES             | 1 S C       |
| >METHOD          | EDX INDEXED ACCESS METHOD                | 5719-AM3     | R   | 22      |          |          |          |    | GC34-0345    | SERIES/1                 | 1 S C       |
| >METHOD          | EDX INDEXED ACCESS METHOD VERSION 2      | 5719-AM4     | R   | 38      |          |          |          |    | SC34-0404    | SERIES/1                 | 1 S E       |
| METHOD           | GLOBAL SHARED ACCESS METHOD              | 5796-ATX     |     | 300     |          |          |          | 24 | G320-6083    | OS/VS2, SU7              | 1 S H       |
| >METHOD          | GRAPHICS ACCESS METHOD / SYSTEM PRODUCT  | 5668-978     |     | 400     | 300      |          |          |    | GC33-0125    | VM/SP FOR 3250/2250      | 1 S L       |
| >METHOD          | INDEXED ACCESS METHOD CPS                | 5799-TAH     | R   | 6       |          |          |          | 24 | SC34-1556    | SERIES/1                 | 1 S C       |
| METHOD           | INTER-REGION ACCESS METHOD               | 5796-AYH     |     | 300     |          |          |          | 12 | G320-6335    | MVS WITH VSAPL           | 1 S H       |
| >METHOD          | RPS INDEXED ACCESS METHOD                | 5719-AM1     | R   | 20      |          |          |          |    | GC34-0292    | SERIES/1                 | 1 S C       |
| >METHOD          | RPS INDEXED ACCESS METHOD VER 2          | 5719-AM2     | R   | 38      |          |          |          |    | GC34-0395    | SERIES/1                 | 1 S E       |
| METHOD           | SEQUENTIAL ACCESS METHOD EXTENDED        | 5740-AM3     |     | 89      | 66       | 5        | 8        |    | GH20-9122    | MVS                      | 1 S K       |
| METHOD           | VSAM AND ACCESS METHOD SERVICES COURSE   | 5798-DAN     |     | 156     |          |          |          | 12 | GB21-2518    | IIS, IIPS                | 1 L H       |
| >METHOD          | 8100 SEGMENTED ACCESS METHOD             | 5796-BCQ     |     | 270     |          |          |          | 12 | G320-6639    | DPFX, DTMS               | 1 S H       |
| >MFAS            | MOTOR FREIGHT REVENUE ACCOUNTING         | 5725-T21     |     | 265     |          |          |          |    | GH30-0312    | SYSTEM/32                | 1 I C       |
| >MFAS            | MOTOR FREIGHT REVENUE ACCOUNTING         | 5726-T21     |     | 304     |          |          |          |    | GH30-0413    | SYSTEM/34                | 1 I D       |
| >MFG             | ACCOUNTS PAYABLE MFG                     | 5725-M33     |     | 49      |          |          |          |    | GH30-0036    | SYSTEM/32                | 1 I C       |

KEYWORDS - ALPHABETIC SEQUENCE

1-102

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I L | S V |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| >MFG             | ACCOUNTS RECEIVABLE MFG                 | 5725-M34     |     | 51      |          |          |          |    | GH30-0031    | SYSTEM/32                | 1   | I   | C   |
| >MFG             | ACCOUNTS PAYABLE MFG                    | 5726-M33     |     | 49      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | ACCOUNTS RECEIVABLE MFG                 | 5726-M34     |     | 51      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | ACCOUNTS PAYABLE DISTR MFG MAPICS       | 5726-M43     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | ACCOUNTS RECEIVABLE MFG                 | 5726-M44     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | BILL-OF-MATERIAL PROCESSOR MFG.         | 5702-M41     |     | 81      |          |          |          |    | GC20-0965    | SYSTEM/3                 | 1   | I   | B   |
| >MFG             | CAPACITY REQUIREMENTS PLANNING CRP MFG  | 5714-M46     |     | 149     | 112      |          |          |    | GH30-0482    | SYSTEM/38                | 1   | I   | D   |
| >MFG             | CAPACITY REQUIREMENTS PLANNING MFG CRP  | 5726-M46     |     | 149     | 112      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | CARD B/M AND REQUIREMENTS PLANNING MFG  | 5701-M42     |     | 82      |          |          |          |    | GH20-0770    | SYSTEM/3                 | 1   | I   | C   |
| >MFG             | DATA COLL SYS SUPPORT 5230 MFG DCSS     | 5714-M4A     |     | 100     | 75       |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MFG             | DATA COLLECTION SYSTEM SUPPORT MFG 5230 | 5726-M4A     |     | 109     | 82       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | GENERAL LEDGER MFG                      | 5714-M47     |     | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1   | I   | D   |
| >MFG             | GENERAL LEDGER MFG                      | 5725-M37     |     | 49      |          |          |          |    | GH30-0034    | SYSTEM/32                | 1   | I   | C   |
| >MFG             | GENERAL LEDGER MFG                      | 5726-M37     |     | 49      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | GENERAL LEDGER DISTR MFG MAPICS         | 5726-M47     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | INVENTORY MANAGEMENT MFG                | 5725-M35     |     | 63      |          |          |          |    | GH30-0032    | SYSTEM/32                | 1   | I   | C   |
| >MFG             | INVENTORY MANAGEMENT MFG                | 5726-M35     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | INVENTORY MANAGEMENT MFG                | 5726-M45     |     | 93      | 70       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | MATERIAL REQUIREMENTS PLANNING MRP MFG  | 5714-M4B     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MFG             | MATERIAL REQUIREMENTS PLANNING MFG MRP  | 5726-M4B     |     | 149     | 127      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | ORDER ENTRY AND INVOICING MFG           | 5726-M39     |     | 77      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | ORDER ENTRY AND INVOICING MFG           | 5726-M49     |     | 104     | 78       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | PAYROLL MFG                             | 5725-M32     |     | 63      |          |          |          |    | GH30-0035    | SYSTEM/32                | 1   | I   | C   |
| >MFG             | PAYROLL MFG                             | 5726-M32     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | PAYROLL DISTRIBUTORS MFG MAPICS         | 5726-M42     |     | 95      | 71       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | PRODUCTION CONTROL AND COSTING PCC MFG  | 5714-M41     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MFG             | PRODUCT DATA MANAGEMENT MFG PDM         | 5714-M46     |     | 136     | 102      |          |          |    | GH30-0709    | SYSTEM/38                | 1   | I   | D   |
| >MFG             | PRODUCTION STATUS & COSTING MFG         | 5725-M31     |     | 63      |          |          |          |    | GH30-0037    | SYSTEM/32                | 1   | I   | C   |
| >MFG             | PRODUCTION DEFINITION & COSTING MFG     | 5725-M36     |     | 59      |          |          |          |    | GH30-0033    | SYSTEM/32                | 1   | I   | C   |
| >MFG             | PRODUCTION STATUS AND COSTING MFG       | 5726-M31     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | PRODUCT DEFINITION & COSTING MFG        | 5726-M36     |     | 59      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | PRODUCTION CONTROL AND COSTING MFG PC&C | 5726-M41     |     | 149     | 127      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | PRODUCT DATA MANAGEMENT MFG             | 5726-M46     |     | 154     | 116      |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | SALES ANALYSIS MFG                      | 5714-M48     |     | 77      | 58       |          |          |    | GH30-0708    | SYSTEM/38                | 1   | I   | D   |
| >MFG             | SALES ANALYSIS MFG                      | 5725-M38     |     | 63      |          |          |          |    | GH30-0039    | SYSTEM/32                | 1   | I   | C   |
| >MFG             | SALES ANALYSIS MFG                      | 5726-M38     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1   | I   | C   |
| >MFG             | SALES ANALYSIS MFG                      | 5726-M48     |     | 93      | 70       |          |          |    | GH30-0221    | SYSTEM/34                | 1   | I   | D   |
| >MFG             | SHOP LOADING AND CONTROL MFG.           | 5702-M51     |     | 215     |          |          |          |    | GH20-1240    | SYSTEM/3                 | 1   | I   | B   |
| >MFG DATA GENERA | MANUFACTURING DATA GENERATORS           | 5796-MTB     |     | 81      |          |          |          | 06 | GB30-1222    | SYSTEM/32                | 1   | S   | H   |
| >MFG ORDERS      | S/34 MFG ORDER TRACKING SUBSYS          | 5798-RCT     |     | 104     |          |          |          | 06 | GB30-1536    | SYSTEM/34                | 1   | S   | H   |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >MGMS            | MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | 5725-H15     |     | 163     |          |          |          |    | GH30-0310    | SYSTEM/32                | 1 I C       |
| >MGMS            | MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | 5726-H15     |     | 163     |          |          |          |    | GH30-0228    | SYSTEM/34                | 1 I C       |
| >MGMS            | MEDICAL GROUP MGMT SYSTEM II CLINICS     | 5726-H16     |     | 260     | 195      |          |          |    | GH30-0228    | SYSTEM/34                | 1 I D       |
| >MGMS II         | S/34 ONLINE APPOINTMENT SYSTEM           | 5796-NZP     |     | 258     |          |          |          |    | 12 GB30-1440 | SYSTEM/34                | 1 S H       |
| >MGMT            | ACCOUNTS PAYABLE MGMT INFO MULTI IND     | 5715-XX3     |     | 1025    |          |          |          |    | 01 GB30-2744 | SYS/23 DATAMASTER        | 1 I E       |
| >MGMT            | ACCOUNTS RECEIVABLE MGMT INFO MULTI IND  | 5715-XX4     |     | 1025    |          |          |          |    | 01 GB30-2722 | SYS/23 DATAMASTER        | 1 I E       |
| >MGMT            | BILLING MGMT INFO MULTI IND              | 5715-XX7     |     | 1025    |          |          |          |    | 01 GB30-2700 | SYS/23 DATAMASTER        | 1 I E       |
| >MGMT            | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U11     | R   | 164     |          |          |          |    | 48 GC34-0063 | SERIES/1                 | 1 S C       |
| >MGMT            | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U12/01  | R   | 236     |          |          |          |    | 48 GH30-0094 | SERIES/1                 | 1 S C       |
| >MGMT            | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U13     | R   | 325     |          |          |          |    | 48 GH30-0500 | SERIES/1                 | 1 S C       |
| >MGMT            | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U14/01  | R   | 116     |          |          |          |    | 48 GH30-0094 | SERIES/1                 | 1 S C       |
| >MGMT            | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U15     | R   | 144     |          |          |          |    | 48 GH30-0500 | SERIES/1                 | 1 S C       |
| >MGMT            | GENERAL LEDGER MGMT INFO MULTI IND       | 5715-XX2     |     | 1025    |          |          |          |    | 01 GB30-2733 | SYS/23 DATAMASTER        | 1 I E       |
| >MGMT            | INV MGMT PROD REP 8ORD VAL EVAL IMPROVE  | 5714-D46     |     | 226     | 169      |          |          |    | GH30-0080    | SYSTEM/38                | 1 I D       |
| >MGMT            | INVENTORY ACCOUNTING MGMT INFO MULTI IND | 5715-XX6     |     | 1025    |          |          |          |    | 01 GB30-2711 | SYS/23 DATAMASTER        | 1 I E       |
| >MGMT            | MEDICAL GROUP MGMT SYSTEM II CLINICS     | 5726-H16     |     | 260     | 195      |          |          |    | GH30-0228    | SYSTEM/34                | 1 I D       |
| >MGMT            | PAYROLL MGMT INFO MULTI IND              | 5715-XX5     |     | 1025    |          |          |          |    | 01 GB30-2755 | SYS/23 DATAMASTER        | 1 I E       |
| >MGMT REPORTING  | INVTY ACCTG/MGMT REPORT SYSTEM           | 5798-NPD     |     | 100     |          |          |          |    | 24 GB30-1095 | SYSTEM/32                | 1 S H       |
| >MGR             | REALTIME PROG SYS MULT TERM MGR VER 3    | 5719-MT1     | R   | 30      |          |          |          |    | GC34-0456    | SERIES/1                 | 1 S E       |
| >MGRM            | MATRIX GENERATOR REPORT WRITER FOR MPSX  | 5734-XMC     |     | 509     |          |          |          |    | GH19-5012    | OS/MFT/MVT               | 1 I B       |
| >MICR            | MICR DOCUMENT FINE SORT                  | 5798-BCN     |     | 183     |          |          |          |    | 12 GB21-1327 | DOS/VS                   | 1 I H       |
| >MICR            | S/34 MICR PROGRAM GENERATOR              | 5798-RBE     |     | 63      |          |          |          |    | 12 GB30-1476 | SYSTEM/34                | 1 S H       |
| >MICR            | S/34 ONLINE REJECT RE-ENTRY              | 5798-NZY     |     | 46      |          |          |          |    | 12 GB30-1445 | SYSTEM/34                | 1 S H       |
| >MICR            | 1419 PROOF OF DEPOSIT MICR CAPTURE       | 5798-DDC     |     | 300     |          |          |          |    | 12 GB21-2668 | DOS/VS                   | 1 S H       |
| >MICR DATA       | 3694 ALLTIMES FILE TRANS FACIL           | 5798-RFJ     |     | 100     |          |          |          |    | 12 GB30-1645 | SYSTEM/34                | 1 S H       |
| >MICR DOCUMENTS  | 3694 DOCUMENT CTL SECTION EDIT           | 5798-RFL     |     | 100     |          |          |          |    | 12 GB30-1645 | SYSTEM/34                | 1 S H       |
| >MICR ENCODED DO | PROOF OF DEPOSIT TRANSIT SYSTEM          | 5798-NWU     |     | 172     |          |          |          |    | 12 GB30-1141 | SYSTEM/34                | 1 S H       |
| >MICR UTIL       | 1255 UTILITY MOD 8/10 DISK               | 5702-UT2     |     | 86      |          |          |          |    | SC21-7521    | SYSTEM/3                 | 1 S C       |
| >MICR UTIL       | 1255 UTILITY MOD 6                       | 5703-UT2     |     | 100     |          |          |          |    | SC21-7527    | SYSTEM/3                 | 1 S C       |
| >MICR UTIL       | 1255 UTILITY MOD 12                      | 5705-UT2     |     | 83      |          |          |          |    | GC21-5030    | SYSTEM/3                 | 1 S C       |
| >MICROSOFT       | MICROSOFT ADVENTURE                      | 6024-006     |     | 30      |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >MIGRATION       | DATA-SET MIGRATION AND PLANNING AID      | 5798-DCK     |     | 145     |          |          |          |    | 12 GB21-2614 | OS/VS                    | 1 S H       |
| >MIGRATION       | DIRECT ACCESS STORAGE DEVICE MIGRATION   | 5668-002     |     | 1150    |          |          |          |    | 01 GC26-3972 | OS/VS,5740-SM1           | 0 I C       |
| >MIGRATION       | STORAGE DEVICE MIGRATION AID             | 5796-PHP     |     | 197     |          |          |          |    | G320-5714    | OS, OS/VS                | 1 I E       |
| >MIGRATION       | VM/XA MIGRATION AID FOR MVS/XA           | 5664-169     | P   | 3500    | 2625     | 500      | 800      |    |              | MVS/SP,MVS/XA,CMS        | 2 S K       |
| >MILK PRODUCTION | S/23 DAIRY HERD/HEALTH MGMT SYS          | 5796-ZAX     |     | 2000    |          |          |          |    | 01 GB30-1780 | SYS/23 DATAMASTER        | 1 I H       |
| >MINIPERT        | MINIPERT                                 | 5734-XP3     |     | 165     |          |          |          |    | GH20-4432    | APLSV,APL/CMS            | 1 I C       |
| >MIP             | MIXED INTEGER PROGRAMMING FEATURE - MPSX | 5740-XX3/02  |     | 509     |          |          |          |    | GH19-1090    | 6038-6040                | 1 I B       |
| >MIP             | MIXED INTEGER PROGRAMMING FOR MPSX       | 5746-XX2/02  |     | 437     |          |          |          |    | GH19-1090    | 6038-43                  | 1 I B       |
| >MIXED           | MIXED INTEGER PROGRAMMING FEATURE - MPSX | 5740-XX3/02  |     | 509     |          |          |          |    | GH19-1090    | 6038-6040                | 1 I B       |

| KEYWORD          | PROGRAM INFORMATION                    | ORDER NUMBER | T C | LIC DSLO LLPS MLPS |      |      |      | GENERAL MO | ENVIRONMENT OR FEATURE # | T I S     |   |       |
|------------------|--|--------------|-----|--------------------|------|------|------|------------|--------------------------|-----------|---|-------|
|                  |  |              |     | FREE               | FREE | FREE | FREE |            |                          | P         | L | V     |
| MIXED            | MIXED INTEGER PROGRAMMING FOR MPSX     | 5746-XM2/02  |     | 437                |      |      |      |            | GH19-1090                | 6038-43   |   | 1 I B |
| >MLTA            | S/3-12 MLTA                            | 5799-WKH     |     |                    |      |      |      |            | GC21-7560                | SYSTEM/3  |   | 0 S C |
| >MLTA            | S/3-15 MLTA                            | 5799-WFK     |     |                    |      |      |      |            | GC21-7560                | SYSTEM/3  |   | 0 S C |
| >MLTA            | S/3-8,10 MLTA                          | 5799-WAU     |     |                    |      |      |      |            | GC21-7560                | SYSTEM/3  |   | 0 S C |
| >MMAS            | ACCOUNTS PAYABLE MFG                   | 5725-M33     |     | 49                 |      |      |      |            | GH30-0036                | SYSTEM/32 |   | 1 I C |
| >MMAS            | ACCOUNTS RECEIVABLE MFG                | 5725-M34     |     | 51                 |      |      |      |            | GH30-0031                | SYSTEM/32 |   | 1 I C |
| >MMAS            | ACCOUNTS PAYABLE MFG                   | 5726-M33     |     | 49                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MMAS            | ACCOUNTS RECEIVABLE MFG                | 5726-M34     |     | 51                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MMAS            | GENERAL LEDGER MFG                     | 5725-M37     |     | 49                 |      |      |      |            | GH30-0034                | SYSTEM/32 |   | 1 I C |
| >MMAS            | GENERAL LEDGER MFG                     | 5726-M37     |     | 49                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MMAS            | INVENTORY MANAGEMENT MFG               | 5725-M35     |     | 63                 |      |      |      |            | GH30-0032                | SYSTEM/32 |   | 1 I C |
| >MMAS            | INVENTORY MANAGEMENT MFG               | 5726-M35     |     | 63                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MMAS            | ORDER ENTRY AND INVOICING BILLING      | 5725-M39     |     | 77                 |      |      |      |            | GH30-0038                | SYSTEM/32 |   | 1 I C |
| >MMAS            | ORDER ENTRY AND INVOICING MFG          | 5726-M39     |     | 77                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MMAS            | PAYROLL MFG                            | 5725-M32     |     | 63                 |      |      |      |            | GH30-0035                | SYSTEM/32 |   | 1 I C |
| >MMAS            | PAYROLL MFG                            | 5726-M32     |     | 63                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MMAS            | PRODUCTION STATUS & COSTING MFG        | 5725-M31     |     | 63                 |      |      |      |            | GH30-0037                | SYSTEM/32 |   | 1 I C |
| >MMAS            | PRODUCTION DEFINITION & COSTING MFG    | 5725-M36     |     | 59                 |      |      |      |            | GH30-0033                | SYSTEM/32 |   | 1 I C |
| >MMAS            | PRODUCTION STATUS AND COSTING MFG      | 5726-M31     |     | 63                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MMAS            | PRODUCT DEFINITION & COSTING MFG       | 5726-M36     |     | 59                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MMAS            | SALES ANALYSIS MFG                     | 5725-M38     |     | 63                 |      |      |      |            | GH30-0039                | SYSTEM/32 |   | 1 I C |
| >MMAS            | SALES ANALYSIS MFG                     | 5726-M38     |     | 63                 |      |      |      |            | GH30-0220                | SYSTEM/34 |   | 1 I C |
| >MODEL           | CARD RPG II MODEL 10 CARD              | 5701-RG1/01  |     | 43                 |      |      |      |            | SC21-7518                | SYSTEM/3  |   | 1 I C |
| >MODEL           | CCP DISK SORT MODEL 12                 | 5799-ATG     |     | 43                 |      |      |      |            | SC21-7522                | SYSTEM/3  |   | 1 S C |
| >MODEL           | CCP DISK SORT MODEL 15ABC              | 5799-ATH     |     | 43                 |      |      |      |            | SC21-7522                | SYSTEM/3  |   | 1 S C |
| >MODEL           | CCP/DISK SORT MODEL 8 & 10             | 5799-ATF     |     | 43                 |      |      |      |            | SC21-7522                | SYSTEM/3  |   | 1 S C |
| >MODEL           | MODEL 6 RPG II MOD 6                   | 5703-RG1/01  |     | 46                 |      |      |      |            | GC21-7514                | SYSTEM/3  |   | 1 S C |
| >MODEL           | TQF/3 MODEL 10                         | 5799-AJR     |     | 78                 |      |      |      |            | SC21-5107                | SYSTEM/3  |   | 0 S C |
| >MODEL           | TQF/3 MODEL 15                         | 5799-AJT     |     | 78                 |      |      |      |            | SC21-5107                | SYSTEM/3  |   | 0 S C |
| >MODEL           | TQF/3 MODEL 12                         | 5799-AQZ     |     | 78                 |      |      |      |            | SC21-5107                | SYSTEM/3  |   | 0 S C |
| >MODEL HOME COST | 5110/5120 BLDG/REMOD ESTIM SYS         | 5793-ABP     |     | 5520               |      |      | 01   | GB30-1520  | 5120                     | SYSTEM    |   | 1 S H |
| >MODEL SELECT    | FORECAST MODEL SELECT - WALLED L       | 5796-ACP     |     | 62                 |      |      | 12   | G320-1434  | SYSTEM/3                 |           |   | 1 I H |
| >MODELING        | APL CONTINUOUS SYSTEM MODELING         | 5785-KAE     |     | 95                 |      |      | 24   | G320-6081  | VSAPL                    |           |   | 1 S H |
| >MODELING        | CONTINUOUS SYSTEM MODELING PROGRAM III | 5734-XS9/01  |     | 98                 |      |      |      | GH19-7000  | VS1/V52/VM               |           |   | 1 I C |
| >MODELING        | COST / BENEFIT MODELING AID            | 5798-DHE     |     | 355                |      |      | 12   | GB21-2898  | OS/V5.DOS/VSE,VM         |           |   | 1 S H |
| >MODIFICATION    | OCL DOCUMENTATION & MODIF AID          | 5798-NJP     |     | 345                |      |      | 01   | GB30-0918  | SYSTEM/3                 |           |   | 0 S H |
| >MODIFICATION    | PROCED DOCUMENT/MODIFICATION AID       | 5798-NQH     |     | 575                |      |      | 01   | GB30-1163  | SYSTEM/32                |           |   | 0 S H |
| >MODIFY          | GIS/V5 MODIFY FEATURE                  | 5740-XX7/04  |     | 181                | 135  | 11   | 18   | GH20-9035  | 6018-6020                |           |   | 2 S K |
| >MONEY MARKET SV | S/23 DATAMASTER DOW JONES NEWS         | 5798-RGQ     |     | 275                |      |      | 01   | GB30-1684  | SYS/23 DATAMASTER        |           |   | 1 I H |
| >MONITOR         | BASIC INTERACTIVE GRAPHIC APPL MONITOR | 5785-DCJ     |     | 485                |      |      | 12   | G320-6659  | BGSS 5785-DCK            |           |   | 1 S H |

| KEYWORD         | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|-----------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| MONITOR         | BATCH MONITOR FOR VM/CMS                 | 5796-PGZ     |     | 170     |          |          |          | 12 G320-5691    | VM/CMS                   | 1 S H       |
| >MONITOR        | COMMUNICATIONS MONITOR FOR SERIES/1      | 5719-CM1     | R   | 139     |          |          |          | GL23-0049       | SERIES/1                 | 1 S E       |
| >MONITOR        | COMMUNICATION MONITOR FOR SERIES/1 RPS   | 5799-TCX     |     | 5220    |          |          |          | 01 GL23-0002    | SERIES/1                 | 1 S C       |
| MONITOR         | DISPLAY MONITOR FOR TPNS                 | 5796-AXN     |     | 110     |          |          |          | 12 G320-6167    | OS/V5,5740-XT4           | 1 I H       |
| MONITOR         | DMS/3790 INTERFACE MONITOR               | 5758-XC2/02  |     | 242     |          |          |          | GH20-2002       | 6032-6034                | 1 S C       |
| MONITOR         | DPPX PERFORMANCE TOOL MONITOR            | 5760-XR5/01  |     | 48      |          |          |          | GH20-2155       | DPPX                     | 1 S B       |
| MONITOR         | HIERARCHICAL MONITOR SYSTEM / 3600       | 5798-CLT     |     | 190     |          |          |          | 24 GB21-1984    | DOS/V5,OS/V5             | 1 S H       |
| MONITOR         | IMS MONITOR SUMMARY & SYSTEM ANALYSIS II | 5798-CHJ     |     | 117     |          |          |          | GB21-1792       | IMS/V5 VIR2              | 1 I E       |
| MONITOR         | IMS/V5 RESPONSE TIME MONITOR             | 5796-ARB     |     | 70      |          |          |          | 12 G320-5822    | OS/V5                    | 1 S H       |
| MONITOR         | MVS VIRTUAL STORAGE MONITOR              | 5798-DEL     |     | 60      |          |          |          | 12 GB21-2721    | MVS,5740-XY4             | 1 S H       |
| MONITOR         | NETWORK MONITOR FOR VTAM APPLICATIONS    | 5796-PPB     |     | 150     |          |          |          | 12 G320-6628    | OS/V5 ACF/VTAM           | 1 S H       |
| MONITOR         | POWER/V5 RJE CONTROLLED ACCESS MONITOR   | 5798-CPH     |     | 80      |          |          |          | 12 GB21-2066    | DOS/V5                   | 1 S H       |
| MONITOR         | VM REAL TIME MONITOR                     | 5796-PNA     |     | 44      |          |          |          | G320-6165       | VM/CMS                   | 1 S E       |
| MONITOR         | VM/CMS PERFORMANCE MONITOR ANALYSIS      | 5798-CPX     |     | 184     |          |          |          | GB21-2100       | VM/CMS                   | 1 S E       |
| MONITOR         | V51 UTILIZATION MONITOR                  | 5798-CAK     |     | 193     |          |          |          | 12 GB21-1404    | OS/V51                   | 1 S H       |
| MONITORING      | COPICS PLANT MONITORING - HOST INTERFACE | 5798-DFR     |     | 115     |          |          |          | GB21-2842       | OS/V5 VSE 5798-DFT       | 1 S E       |
| MONITORING      | COPICS PLANT MONITORING & CONTROL - 8100 | 5798-DFT     |     | 431     |          |          |          | GB21-2842       | DPPX 5798-DFR            | 1 S E       |
| MONITORING      | JES 3 MONITORING FACILITY                | 5796-PHR     |     | 250     |          |          |          | 12 G320-5713    | MVS JES 3                | 1 S H       |
| MONITORING      | JES3 MONITORING FACILITY II              | 5796-PLW     |     | 170     |          |          |          | G320-6159       | MVS                      | 1 S E       |
| >MONITORING     | S/1 AIR QUALITY MONITORING SYS           | 5798-RDQ     |     | 560     |          |          |          | 12 GB30-1591    | SERIES/1                 | 1 S H       |
| >MONITORING     | S/1 GENL PURP AUTO EXEC (GPAX)           | 5798-RCZ     | P   | 250     |          |          |          | 24 GB30-1565    | SERIES/1                 | 1 S H       |
| MONITORING      | 3630 PLANT MONITORING AND CONTROL        | 5798-DAH/01  |     | 184     |          |          |          | 24 GB21-2506    | DOS/V5 OS/V5             | 1 S H       |
| MONITORING      | 3630 PLANT MONITORING ENHANCEMENTS       | 5798-DAH/02  |     | 75      |          |          |          | 24 GB21-2506    | 9566-9567                | 1 S H       |
| >MORRIS ADLER & | S/34 CABLE TV D/L CUSTOMER SERV          | 5796-NZW     |     | 356     |          |          |          | 24 GB30-1426    | SYSTEM/34                | 1 S H       |
| >MORTGAGE       | DPPX MORTGAGE BANKING SYSTEM             | 5798-DDN     |     | 515     |          |          |          | 12 GB21-2691    | DPPX/BASE                | 1 S H       |
| >MORTGAGE LOAN  | MORTGAGE LOAN ACCTG SYSTEM               | 5796-NNH     |     | 276     |          |          |          | 12 GB30-1063    | SYSTEM/3                 | 1 S H       |
| >MOTEL          | HOTEL FRONT OFFICE MGMT SYS              | 5796-NLF     |     | 632     |          |          |          | 12 GB30-1020    | SYSTEM/32                | 1 I H       |
| >MOTOR          | MOTOR FREIGHT REVENUE ACCOUNTING         | 5725-T21     |     | 265     |          |          |          | GH30-0312       | SYSTEM/32                | 1 I C       |
| >MOTOR          | MOTOR FREIGHT REVENUE ACCOUNTING         | 5726-T21     |     | 304     |          |          |          | GH30-0413       | SYSTEM/34                | 1 I D       |
| >MOTOR FREIGHT  | S/34 ONLINE FREIGHT BILL/RATE            | 5796-NZX     |     | 345     |          |          |          | 12 GB30-1461    | SYSTEM/34                | 1 S H       |
| >MOVING         | MOVING AND PARKING CITATION ACCOUNTING   | 5701-G23     |     | 151     |          |          |          | GH20-1084       | SYSTEM/3                 | 1 I C       |
| MP              | OPERATOR TRAINING FOR 3033 AP / MP       | 5798-DFA     |     | 105     |          |          |          | 12 GB21-2769    | IIS, IIPS                | 1 L H       |
| MP5X            | MATHEMATICAL LINEAR PROGRAMMING EXTENDED | 5740-XM3/01  |     | 584     |          |          |          | GH19-1090       | OS/V5                    | 1 I B       |
| MP5X            | MATHEMATICAL LINEAR PROGRAMMING EXTENDED | 5746-XM2/01  |     | 509     |          |          |          | GH19-1090       | DOS/V5                   | 1 I B       |
| MP5X            | MIXED INTEGER PROGRAMMING FOR MP5X       | 5746-XM2/02  |     | 437     |          |          |          | GH19-1090       | 6038-43                  | 1 I B       |
| MQR             | IMS/V5 MESSAGE REQUEUER                  | 5796-ATP     |     | 109     |          |          |          | G320-6071       | IMS/V5 VIR2              | 1 I E       |
| >MRJE           | MULTILEAVING REMOTE JOB ENTRY            | 5796-NTY     | P   | 143     |          |          |          | 12 GB30-1272    | SERIES/1                 | 1 S H       |
| >MRP            | MATERIAL REQUIREMENTS PLANNING MRP MFG   | 5714-M4B     |     | 151     | 113      |          |          | GH30-0709       | SYSTEM/38                | 1 I D       |
| >MRP            | MATERIAL REQUIREMENTS PLANNING MFG MRP   | 5726-M4B     |     | 169     | 127      |          |          | GH30-0221       | SYSTEM/34                | 1 I D       |
| >MRP            | PIPICS -- MATERIAL REQ PLANNING          | 5798-NJZ     |     | 212     |          |          |          | 24 GB30-0938    | SYSTEM/3                 | 1 I H       |

KEYWORDS - ALPHABETIC SEQUENCE

1-106

CODES EXPLAINED ON PAGE XI

| KEYWORD         | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-----------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| MSC             | IMS/VS MULTIPLE SYSTEMS COUPLING FEATURE | 5740-XX2/03  |     | 1330    | 997      | 41       | 66       |    | GH20-1260    | 6157-6158                | 1 S K       |
| MSNF/TCAM       | ACF/TCAM - MULTISYSTEMS NETWORKING       | 5735-RC1/02  |     | 1120    | 840      | 28       | 45       |    | GC30-9500    | 6000                     | 2 S K       |
| MSNF/TCAM       | ACF/TCAM - MULTISYSTEM NETWORKING        | 5735-RC3/02  |     | 1035    | 776      | 88       | 141      |    | GC30-3057    | 6003                     | 2 S K       |
| MSNF/VTAM       | ACF/VTAM - MULTISYSTEMS NETWORKING       | 5735-RC2/02  |     | 773     | 579      | 127      | 203      |    | GC38-0284    | 6009                     | 2 S K       |
| MSNF/VTAM       | ACF/VTAM MULTISYSTEM NETWORKING FEATURE  | 5746-RC3/02  |     | 254     | 190      | 127      | 203      |    | GC27-0462    | 6059                     | 2 S K       |
| MSS             | MSS TRACE SMF CORRELATION AID            | 5796-PJX     |     | 125     |          |          |          | 24 | G320-5810    | OS/VS                    | 1 I H       |
| MSSE            | MASS STORAGE SYSTEM EXTENSIONS FOR 3850  | 5740-XYG     |     | 261     | 195      | 40       | 64       |    | GH35-0034    | OS/VS,MVS/XA             | 1 S K       |
| MSSTMP          | MASS STORAGE TABLE MAINTENANCE PROGRAM   | 5796-PHY     |     | 197     |          |          |          |    | G320-5742    | VS1,VS2                  | 1 I E       |
| >MTM            | EDX MULTIPLE TERMINAL MANAGER            | 5719-MS1     | R   | 20      |          |          |          |    | GC34-0346    | SERIES/1                 | 1 S C       |
| >MTM            | EDX MULTIPLE TERMINAL MANAGER VERSION 2  | 5719-MS2     | R   | 22      |          |          |          |    | GC34-0346    | SERIES/1                 | 1 S E       |
| >MTM            | REALTIME PROG SYS MULT TERM MGR VER 3    | 5719-MT1     | R   | 30      |          |          |          |    | GC34-0456    | SERIES/1                 | 1 S E       |
| >MULT           | REALTIME PROG SYS MULT TERM MGR VER 3    | 5719-MT1     | R   | 30      |          |          |          |    | GC34-0456    | SERIES/1                 | 1 S E       |
| >MULT           | RPS MULT TERMINAL MANAGER V 2            | 5799-TDX     |     | 1550    |          |          |          | 12 | GC34-1691    | SERIES/1                 | 1 S E       |
| >MULTI          | ACCOUNTS PAYABLE MGMT INFO MULTI IND     | 5715-XX3     |     | 1025    |          |          |          | 01 | GB30-2744    | SYS/23 DATAMASTER        | 1 I E       |
| >MULTI          | ACCOUNTS RECEIVABLE MGMT INFO MULTI IND  | 5715-XX4     |     | 1025    |          |          |          | 01 | GB30-2722    | SYS/23 DATAMASTER        | 1 I E       |
| >MULTI          | BILLING MGMT INFO MULTI IND              | 5715-XX7     |     | 1025    |          |          |          | 01 | GB30-2700    | SYS/23 DATAMASTER        | 1 I E       |
| >MULTI          | GENERAL LEDGER MGMT INFO MULTI IND       | 5715-XX2     |     | 1025    |          |          |          | 01 | GB30-2733    | SYS/23 DATAMASTER        | 1 I E       |
| >MULTI          | INVENTORY ACCOUNTING MGMT INFO MULTI IND | 5715-XX6     |     | 1025    |          |          |          | 01 | GB30-2711    | SYS/23 DATAMASTER        | 1 I E       |
| >MULTI          | PAYROLL MGMT INFO MULTI IND              | 5715-XX5     |     | 1025    |          |          |          | 01 | GB30-2755    | SYS/23 DATAMASTER        | 1 I E       |
| >MULTILEAVING   | MULTILEAVING REMOTE JOB ENTRY            | 5796-NTY     | P   | 143     |          |          |          | 12 | GB30-1272    | SERIES/1                 | 1 S H       |
| MULTIPLE        | ATMS I1 MULTIPLE FONTS FOR THE 3800      | 5798-CRH     |     | 175     |          |          |          | 12 | GB21-2184    | OS/VS CICS/VS            | 1 S H       |
| >MULTIPLE       | EDX MULTIPLE TERMINAL MANAGER            | 5719-MS1     | R   | 20      |          |          |          |    | GC34-0346    | SERIES/1                 | 1 S C       |
| >MULTIPLE       | EDX MULTIPLE TERMINAL MANAGER VERSION 2  | 5719-MS2     | R   | 22      |          |          |          |    | GC34-0346    | SERIES/1                 | 1 S E       |
| MULTIPLE        | IMS/VS MULTIPLE SYSTEMS COUPLING FEATURE | 5740-XX2/03  |     | 1330    | 997      | 41       | 66       |    | GH20-1260    | 6157-6158                | 1 S K       |
| >MULTIPLE       | MULT INDEX SUPPORT - DISK FILES          | 5798-NQL     |     | 69      |          |          |          | 06 | GB30-1168    | SYSTEM/34                | 1 S H       |
| MULTIPLE        | OPERATING SYSTEM / MULTIPLE VIRTUAL STOR | 5752-VS2     |     |         |          |          |          |    | GC28-1012    |                          | 0 S J       |
| >MULTIPLE       | RPS MULTIPLE TERMINAL MANAGER            | 5799-TCY     | R   | 921     |          |          |          |    | GC34-1658    | SERIES/1                 | 1 S C       |
| MULTIPLE        | STAIRS/VS MULTIPLE INVERTED KEYS         | 5785-DCE     |     | 500     |          |          |          | 12 | GB21-2657    | OS/VS                    | 1 S H       |
| >MULTIPLE INDEX | MULTIPLE INDEX SUPPORT FOR DISK          | 5798-NKJ     |     | 69      |          |          |          | 06 | GB30-0964    | SYSTEM/3                 | 1 S H       |
| >MULTIPLXER     | FACILITIES CONTROL MULTIPLXER            | 5798-NWB     |     | 138     |          |          |          | 12 | GB30-1275    | SERIES/1                 | 1 S H       |
| MULTISYSTEM     | ACF/TCAM - MULTISYSTEM NETWORKING        | 5735-RC3/02  |     | 1035    | 776      | 88       | 141      |    | GC30-3057    | 6003                     | 2 S K       |
| MULTISYSTEM     | ACF/VTAM MULTISYSTEM NETWORKING FEATURE  | 5746-RC3/02  |     | 254     | 190      | 127      | 203      |    | GC27-0462    | 6059                     | 2 S K       |
| MULTISYSTEMS    | ACF/TCAM - MULTISYSTEMS NETWORKING       | 5735-RC1/02  |     | 1120    | 840      | 28       | 45       |    | GC30-9500    | 6000                     | 2 S K       |
| MULTISYSTEMS    | ACF/VTAM - MULTISYSTEMS NETWORKING       | 5735-RC2/02  |     | 773     | 579      | 127      | 203      |    | GC38-0284    | 6009                     | 2 S K       |
| MULTIVARIATE    | API MULTIVARIATE TIME SERIES ANALYSIS    | 5796-PLX     |     | 400     |          |          |          | 12 | G320-6169    | VSAPI                    | 1 I H       |
| >MUNICIPAL      | MUNICIPAL BUDGETING & ACCTG SYS          | 5798-AEN     |     | 379     |          |          |          | 12 | GB21-0280    | SYSTEM/3                 | 1 S H       |
| MUSIC V         | MCGILL U SYSTEM - INTERACTIVE COMPUTING  | 5796-PQA     |     | 545     |          |          |          |    | G320-6629    | VM/CMS                   | 1 S E       |
| MVS             | DOS/VS TO MVS MACRO CONVERSION AID       | 5785-EBE     |     | 6000    |          |          |          | 01 | GB21-2788    | DOS/VSE,MVS,VM/CMS       | 0 I H       |
| MVS             | DOS/VS TO MVS JOBSTREAM CONVERSION AID   | 5785-EBF     |     | 4020    |          |          |          | 01 | GB21-2790    | DOS/VSE,MVS,VM/CMS       | 0 I H       |
| MVS             | DOS/VS TO MVS COBOL, PL/I CONVERSION AID | 5785-EBG     |     | 3940    |          |          |          | 01 | GB21-2792    | DOS/VSE,MVS,VM/CMS       | 0 I H       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #      | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| MVS              | INFORMATION / MVS - VSE - VM             | 5735-OZS/02  |     | 221     |          |          |          |            | GC34-2053 6052                | 1 S C       |
| >MVS             | LIBRARY / MVS                            | 5665-294     | P   | 100     | 75       |          |          |            | GH12-5136 MVS,NCCF/TSO        | 1 S         |
| MVS              | MVS HIERARCHICAL STORAGE MANAGER         | 5740-XRB     |     | 420     | 315      | 94       | 150      |            | GH35-0007 MVS                 | 1 S K       |
| MVS              | MVS INFORMATION DIST WORKSTATION SUPPORT | 5740-AMA     |     | 354     | 265      | 22       | 35       |            | GC23-0031 OS/VS2 (MVS)        | 1 S K       |
| MVS              | MVS PAGING SYSTEM - EXTENDED SWAP        | 5796-PNH     |     | 145     |          |          |          | 12         | G320-6403 MVS/SE MVS/SP       | 1 S H       |
| MVS              | MVS SECONDARY OPERATOR FACILITY          | 5798-CRE     |     | 80      |          |          |          | 12         | GB21-2179 OS/VS2-MVS          | 1 S H       |
| MVS              | MVS SYSTEMS EXTENSIONS                   | 5740-XE1     |     | 1700    | 1275     | 85       | 136      |            | GC28-0872 MVS                 | 2 S K       |
| MVS              | MVS VIRTUAL STORAGE MONITOR              | 5798-DEL     |     | 60      |          |          |          | 12         | GB21-2721 MVS,5740-XY4        | 1 S H       |
| MVS              | PROBLEM DETERMINATION FOR MVS OPERATORS  | 5798-DEY     |     | 760     |          |          |          | 01         | GB21-2760 IIS,IIPS            | 1 L H       |
| >MVS             | TSO EXTENSIONS FOR MVS                   | 5665-285     | P   | 425     | 326      | 65       | 104      |            | GC28-1061 MVS/SP VERSION 1    | 2 S K       |
| MVS/SE           | MVS SYSTEMS EXTENSIONS                   | 5740-XE1     |     | 1700    | 1275     | 85       | 136      |            | GC28-0872 MVS                 | 2 S K       |
| MVS/SMF          | MVS/SMF PROBLEM PROGRAM ACTIVITY REPORT  | 5798-CPP     |     | 80      |          |          |          | 12         | GB21-2089 MVS                 | 1 I H       |
| MVS/SP           | MVS/SP SYSTEM IPO                        | 5750-AA9     |     | *       | *        | *        | *        |            | GC20-1870                     | * * *       |
| >MVS/SP/JES2     | MVS/SP/JES2 VERSION 2                    | 5740-XC6     | P   | 4000    | 3000     | 500      | 800      |            | MVS/XA, 5665-284              | 2 S K       |
| MVS/SP/JES2      | MVS/SP/JES2 - RELEASE 1                  | 5740-XY5/01  |     | 1700    | 1275     | 85       | 136      |            | GC28-1025 MVS,5740-AM7        | 2 S M       |
| MVS/SP/JES2      | MVS/SP/JES2 - RELEASE 3                  | 5740-XY5/02  |     | 1715    | 1285     | 175      | 280      |            | GC28-1025 MVS,5740-AM7        | 2 S K       |
| >MVS/SP/JES3     | MVS/SP/JES3 VERSION 2                    | 5665-291     | P   | 4500    | 3375     | 1000     | 1600     |            | MVS/XA, 5665-284              | 2 S K       |
| MVS/SP/JES3      | MVS/SP/JES3 - RELEASE 1                  | 5740-XYN/01  |     | 1700    | 1275     | 85       | 136      |            | GC28-1025 MVS,5740-AM7        | 2 S M       |
| MVS/SP/JES3      | MVS/SP/JES3 - RELEASE 3                  | 5740-XYN/02  |     | 1880    | 1410     | 375      | 600      |            | GC28-1025 MVS,5740-AM7        | 2 S K       |
| >MVS/TCAM        | STRUCTURED PROGRAM FACILITY MVS/TCAM     | 5719-CR2     |     | 265     |          |          |          | 24         | GC34-1637 SERIES/1            | 1 S C       |
| >MVS/VTAM        | STRUCTURED PROGRAM FACILITY MVS/VTAM     | 5719-CR1     |     | 265     |          |          |          | 24         | GC34-1636 SERIES/1            | 1 S C       |
| >MVS/XA          | TSO EXTENSIONS FOR MVS/XA                | 5665-293     | P   | 520     | 390      | 80       | 128      |            | GC28-1061 MVS/SP VERSION 2    | 2 S K       |
| >MVS/XA          | VM/XA MIGRATION AID FOR MVS/XA           | 5664-169     | P   | 3500    | 2625     | 500      | 800      |            | MVS/SP,MVS/XA,CMS             | 2 S K       |
| MVSIZAP          | MVSIZAP FOR THE 3850                     | 5799-WPK     |     |         |          |          |          |            | MVS VS1                       | 0 S C       |
| MVSPD1/--2       | PROBLEM DETERMINATION FOR MVS OPERATORS  | 5798-DEY     |     | 760     |          |          |          | 01         | GB21-2760 IIS,IIPS            | 1 L H       |
| MVT              | MVT SUPPORT FOR 3350 / 3330-11           | 5799-ARG     |     | 300     |          |          |          |            | GH20-9115 OS/MVT              | 1 I C       |
| MVT              | MVT SUPPORT FOR 3031/3032/3033           | 5799-AWX     |     | 12880   |          |          |          | 01         | GC28-0951 OS/MVT              | 1 S C       |
| >N.O.W.          | S/34 NEGOTIABLE ORDER OF WITHDRAW        | 5798-RDE     |     | 65      |          |          |          | 12         | GB30-1583 SYSTEM/34           | 1 S H       |
| >NATIVE APPL LOA | S/1 NATIVE APPL LOAD FAC - VER 2         | 5798-RBR     |     | 172     |          |          |          | 12         | GB30-1071 SERIES/1            | 1 S H       |
| >NAVY YARD CRED  | NAVY YARD CREDIT UNION--ONLINE           | 5796-NCH     |     | 339     |          |          |          | 24         | GB30-0642 SYSTEM/3            | 1 I H       |
| >NC              | SURFACE AND NC                           | 5796-PQH     |     | 840     | 500      |          |          |            | G320-6650 OS/VS               | 1 S E       |
| >NCCF            | NCCF TERMINAL ACCESS FACILITY FEATURE    | 5735-XX6/02  |     | 68      | 51       | 14       | 22       |            | GC27-0429                     | 2 S K       |
| >NCCF            | NETWORK COMMUNICATIONS CONTROL FACILITY  | 5735-XX6/01  |     | 111     | 83       | 38       | 61       |            | GC27-0429 ACF/VTAM/VTAME/TCAM | 2 S K       |
| >NCP             | X.25 NCP PACKET SWITCHING INTERFACE      | 5668-981     |     | 190     | 142      | 30       | 48       |            | GC30-9545 ACF/NCP/VS          | 2 S K       |
| NCP              | 3704/5 NCP SUPPORT PACKAGE               | 5747-AJ2     |     |         |          |          |          |            | GC30-3008 DOS/VS              | 0 S J       |
| NCP/SSP          | NETWORK CONTROL PROGRAM - SCP            | 5747-CHI/01  |     |         |          |          |          |            | GC30-9531 3704,3705           | 0 S J       |
| NCP/SSP          | NETWORK CONTROL PROGRAM EP/VS FEATURE    | 5747-CHI/02  |     |         |          |          |          |            | GC30-9531 6004                | 0 S J       |
| NCP/VS           | 3704/5 NETWORK CONTROL PROGRAM VERSION 3 | 5744-BA2     |     |         |          |          |          |            | GC30-3008 OS/VS               | 0 S J       |
| NCR              | NCR CENTURY TO ANS COBOL CONVERSION AID  | 5798-APG     |     | 2105    |          |          |          | 01         | GB21-0839 DOS/OS              | 0 I H       |
| NCR              | NCR NEAT/3 TO COBOL CONVERSION AID       | 5798-CZC     |     | 995     |          |          |          | 01         | GB21-2420 DOS/VS              | 0 I H       |

KEYWORDS - ALPHABETIC SEQUENCE

1-108

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >NCR 8200 TO S/3 | S/34 COBOL CONVERS AID-FROM NCR          | 5798-NYR     |     | 900     |          |          |          | 01         | GB30-1433 SYSTEM/34            | 0 S H       |
| NEAT/3           | NCR NEAT/3 TO COBOL CONVERSION AID       | 5798-CZC     |     | 995     |          |          |          | 01         | GB21-2420 DOS/V5               | 0 I H       |
| >NEKOOSA PAPERS  | REMOTE JOB ENTRY FOR POWER/V5            | 5796-NTR     |     | 172     |          |          |          | 06         | GB30-1253 SYSTEM/34            | 1 S H       |
| NEMF             | NETWORK ERROR MANAGEMENT FACILITY        | 5798-DAW     |     | 112     |          |          |          |            | GB21-2527 CIGS/V5              | 1 S E       |
| NEMF             | NETWORK ERROR MANAGEMENT FACILITY - IMS  | 5798-DBN     |     | 185     |          |          |          |            | GB21-2566 OS/V5                | 1 S E       |
| NETPARS          | NETWORK PERFORMANCE ANALYSIS & REPORTS   | 5798-CZX     |     | 63      |          |          |          |            | GB21-2487 OS/V5,5798CPR        | 1 S E       |
| NETWORK          | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DAQ     |     | 230     |          |          |          |            | GB21-2521 CIGS/OS/V5           | 1 I E       |
| NETWORK          | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DAT     |     | 189     |          |          |          |            | GB21-2521 CIGS/DOS/V5          | 1 I E       |
| NETWORK          | ACCOUNT NETWORK MANAGEMENT PROGRAM       | 5798-DBP     |     | 379     |          |          |          |            | GB21-2568 OS/V5 IMS/V5         | 1 I E       |
| NETWORK          | ACF / NETWORK CONTROL PROGRAM / VS       | 5735-XX1     |     | 155     | 116      | 24       | 38       |            | GC30-9533 DOS/V5,DOS/VSE,OS/V5 | 2 S K       |
| >NETWORK         | ACF NETWORK GENERATION AID               | 5798-DFF     |     | 950     |          |          |          | 01         | GB21-2809 OS/V5,DOS/VSE        | 1 S H       |
| NETWORK          | AUTOMATIC TCAM NETWORK DEFINITION        | 5798-CYH     |     | 175     |          |          |          | 12         | GB21-2375 OS/V5                | 1 I H       |
| NETWORK          | BATCH TERMINAL - TP NETWORK SIMULATOR    | 5798-CXJ     |     | 110     |          |          |          | 12         | GB21-2328 TPNS BTS IMS/V5      | 1 I H       |
| NETWORK          | CROSS DOMAIN NETWORK DATA TRANSFER       | 5798-DAE     |     | 100     |          |          |          | 12         | GB21-2498 DOS/VSE,DOS/V5,OS/V5 | 1 S H       |
| >NETWORK         | EDX SYSTEM NETWORK ARCHITECT             | 5719-SX1     | R   | 51      |          |          |          |            | SC34-0402 SERIES/1             | 1 S E       |
| >NETWORK         | EDX SYSTEM NETWORK ARCHITECT             | RJE 5719-SX2 | R   | 25      |          |          |          |            | SC34-0402 SERIES/1             | 1 S E       |
| NETWORK          | ENHANCED NETWORK PROCESSOR FEATURE       | 5734-XP4/04  |     | 132     |          |          |          |            | GH20-0855 6088-6090            | 0 I B       |
| >NETWORK         | NETWORK PROBLEM DETERMINATION APPLICATON | 5668-983/01  |     | 80      | 60       | 21       | 34       |            | GC34-2061 VSE,OS/V5,VM,NCCF    | 1 S K       |
| NETWORK          | NETWORK OPERATION SUPPORT PROGRAM        | 5735-XX2     |     | 150     | 112      | 33       | 52       |            | GC38-0251 DOS/V5,VS1,SVS,MVS   | 2 S C       |
| NETWORK          | NETWORK COMMUNICATIONS CONTROL FACILITY  | 5735-XX6/01  |     | 111     | 83       | 38       | 61       |            | GC27-0429 ACF/VTAM/VTAME/TCAM  | 2 S K       |
| NETWORK          | NETWORK TERMINAL OPTION                  | 5735-XX7     |     | 146     | 109      | 9        | 14       |            | GC38-0297 ACF/NCP/V5           | 2 S K       |
| NETWORK          | NETWORK PROBLEM DETERMINATION APPLICATON | 5735-XX8/01  |     | 59      | 44       | 19       | 31       |            | GC34-2010 DOS/VSE,OS/V5,NCCF   | 2 S K       |
| NETWORK          | NETWORK PREPARATION PROCESSOR FEATURE    | 5740-XP1/04  |     | 72      |          |          |          |            | GH19-1055 6009-6011            | 1 I B       |
| NETWORK          | NETWORK JOB ENTRY FOR JES2               | 5740-XR8     |     | 693     | 519      | 72       | 115      |            | GC23-0010 MVS                  | 1 S K       |
| NETWORK          | NETWORK PREPARATION PROCESSOR FEATURE    | 5746-XP1/04  |     | 72      |          |          |          |            | GH19-1055 6014-6018,6046       | 1 I B       |
| NETWORK          | NETWORK CONTROL PROGRAM - SCP            | 5747-CH1/01  |     |         |          |          |          |            | GC30-9531 3704,3705            | 0 S J       |
| NETWORK          | NETWORK CONTROL PROGRAM EP/V5 FEATURE    | 5747-CH1/02  |     |         |          |          |          |            | GC30-9531 6004                 | 0 S J       |
| NETWORK          | NETWORK MONITOR FOR VTAM APPLICATIONS    | 5796-PPB     |     | 150     |          |          |          | 12         | G320-6628 OS/V5 ACF/VTAM       | 1 S H       |
| NETWORK          | NETWORK PERFORMANCE ANALYZER HOST        | 5798-CZR     |     | 126     |          |          |          |            | GB21-2478 5798-CZT OS/V5       | 1 S E       |
| NETWORK          | NETWORK PERFORMANCE ANALYZER CONTROLLER  | 5798-CZT     |     | 35      |          |          |          |            | GB21-2478 5798-CZR OS/V5       | 1 S E       |
| NETWORK          | NETWORK PERFORMANCE ANALYSIS & REPORTS   | 5798-CZX     |     | 63      |          |          |          |            | GB21-2487 OS/V5,5798CPR        | 1 S E       |
| NETWORK          | NETWORK ERROR MANAGEMENT FACILITY        | 5798-DAW     |     | 112     |          |          |          |            | GB21-2527 CIGS/V5              | 1 S E       |
| NETWORK          | NETWORK ERROR MANAGEMENT FACILITY - IMS  | 5798-DBN     |     | 185     |          |          |          |            | GB21-2566 OS/V5                | 1 S E       |
| >NETWORK         | NETWORK INTERFACE MODULE                 | 5798-DGT     |     | 45      |          |          |          | 12         | GB21-2875 OS/V5,ACF/VTAM       | 1 S H       |
| >NETWORK         | NETWORK INTERFACE MODULE                 | 5798-DHR     |     | 610     |          |          |          | 01         | GB21-2922 DOS/VSE,ACF/VTAM     | 1 S H       |
| NETWORK          | NETWORK EXTENSION FACILITY               | 5799-AZP     |     | 506     |          |          |          |            | GH20-5289 ACF/NCP/V5           | 1 S E       |
| >NETWORK         | PACKET NETWORK SUPPORT RPS               | 5799-TCP     | R   | 52      |          |          |          |            | SERIES/1                       | 1 S E       |
| NETWORK          | PMS IV NETWORK PLOTTING PROGRAM          | 5796-PDE     |     | 350     |          |          |          | 12         | G320-5531 OS,OS/V5             | 1 S H       |
| >NETWORK         | TELEPROCESSING NETWORK SIMULATOR         | 5662-262     |     | 1450    |          |          |          |            | GH20-2487 OS/V5                | 1 I B       |
| NETWORK          | TELEPROCESSING NETWORK SIMULATOR         | 5740-XT4     |     | 1430    |          |          |          |            | GH20-1907 OS/V5                | 1 I B       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #      | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| NETWORK          | VM/VTAM COMM NETWORK APPLICATIONS - VCNA | 5735-RC5     |     | 284     | 213      | 105      | 168      |            | GC27-0501 VM/SP,DOS/VSE,VS1   | 2 S K       |
| NETWORK          | 3704/5 NETWORK CONTROL PROGRAM VERSION 3 | 5744-BA2     |     |         |          |          |          |            | GC30-3008 OS/VVS              | 0 S J       |
| >NETWORK MANAGER | S/38 FRONT END PROCESSOR                 | 5798-RHE     |     | 350     |          |          |          | 12         | GB30-1712 SYSTEM/38           | 1 S H       |
| NETWORKING       | ACF/TCAM - MULTISYSTEMS NETWORKING       | 5735-RC1/02  |     | 1120    | 840      | 28       | 45       |            | GC30-9500 6000                | 2 S K       |
| NETWORKING       | ACF/TCAM - MULTISYSTEM NETWORKING        | 5735-RC3/02  |     | 1035    | 776      | 88       | 141      |            | GC30-3057 6003                | 2 S K       |
| NETWORKING       | ACF/VTAM - MULTISYSTEMS NETWORKING       | 5735-RC2/02  |     | 773     | 579      | 127      | 203      |            | GC38-0284 6009                | 2 S K       |
| NETWORKING       | ACF/VTAM MULTISYSTEM NETWORKING FEATURE  | 5746-RC3/02  |     | 254     | 190      | 127      | 203      |            | GC27-0462 6059                | 2 S K       |
| NETWORKING       | JES3 NETWORKING PRPQ                     | 5799-AZT     |     | 1535    | 1150     | 260      | 416      |            | GH20-2204 NJI ENVIRONMENT     | 2 S K       |
| NETWORKING       | TCS-ACF NETWORKING FEATURE               | 5740-XY3/02  |     | 330     |          |          |          |            | GH20-2156 5101-5102           | 2 S C       |
| >NEWS RETRIEVAL  | S/23 DATAMASTER DOW JONES NEWS           | 5798-RGQ     |     | 275     |          |          |          | 01         | GB30-1684 SYS/23 DATAMASTER   | 1 I H       |
| NEWSPAPER        | ONLINE NEWSPAPER CIRCULATION SYSTEM      | 5796-ANP     |     | 1500    |          |          |          | 12         | G320-5726 CICS/OS/VVS         | 1 S H       |
| NEWSPAPER        | ONLINE NEWSPAPER CIRCULATION SYSTEM      | 5796-ANQ     |     | 1500    |          |          |          | 12         | G320-5726 CICS/DOS/VVS        | 1 S H       |
| >NEWSPAPER       | S/32 ADVERT A/R & CIRCULATION            | 5796-NWG     |     | 603     |          |          |          | 12         | GB30-1297 SYSTEM/32           | 1 S H       |
| >NEWSPAPERS      | S/1 TEXT ENTRY & EDIT FACILITY           | 5798-RAR     | P   | 276     |          |          |          | 12         | GB30-1470 SERIES/1            | 1 S H       |
| NJE              | NETWORK JOB ENTRY FOR JES2               | 5740-XR8     |     | 693     | 519      | 72       | 115      |            | GC23-0010 MVS                 | 1 S K       |
| NODE             | HOST REMOTE NODE ENTRY SYSTEM            | 5796-PJY/01  |     | 120     |          |          |          | 24         | G320-5813 OS/VVS1             | 1 S H       |
| NODE             | HOST REMOTE NODE ENTRY SYSTEM SUPPORT    | 5796-PJY/02  |     | 525     |          |          |          | 01         | G320-5813 9583-9584           | 0 S H       |
| >NODE            | HOST REMOTE NODE ENTRY SYSTEM II         | 5796-PPL     |     | 120     |          |          |          |            | G320-6647 OS/VVS1             | 1 S E       |
| NORMAL           | LDMS II - NORMAL VALUE / DELTA CHECKING  | 5798-DCH     |     | 390     |          |          |          | 12         | GB21-2602 5796-APB OR -AWC    | 1 S H       |
| NOSP             | ACF/VTAM & NOSP DEFINITION AID           | 5796-PKY     |     | 600     |          |          |          | 01         | G320-6060 OS/VVS              | 0 S H       |
| NOSP             | NETWORK OPERATION SUPPORT PROGRAM        | 5735-XX2     |     | 150     | 112      | 33       | 52       |            | GC38-0251 DOS/VVS,VS1,SVS,MVS | 2 S C       |
| NPA              | NETWORK PERFORMANCE ANALYZER HOST        | 5798-CZR     |     | 126     |          |          |          |            | GB21-2478 5798-CZT OS/VVS     | 1 S E       |
| NPA              | NETWORK PERFORMANCE ANALYZER CONTROLLER  | 5798-CZT     |     | 35      |          |          |          |            | GB21-2478 5798-CZR OS/VVS     | 1 S E       |
| NPDA             | NETWORK PROBLEM DETERMINATION APPLICATOR | 5735-XX8/01  |     | 59      | 44       | 19       | 31       |            | GC34-2010 DOS/VSE,OS/VVS,NCCF | 2 S K       |
| NPDA             | 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 5735-XX8/02  |     | 138     | 103      | 15       | 24       |            | GC34-2055 6030-6031           | 2 S K       |
| >NPDA-V2         | NETWORK PROBLEM DETERMINATION APPLICATOR | 5668-983/01  |     | 80      | 60       | 21       | 34       |            | GC34-2061 VSE,OS/VVS,VM,NCCF  | 1 S K       |
| >NT-400 INTERFAC | S/1 TEL TOLL DATA COL NT-400             | 5798-RGB     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1            | 1 S H       |
| >NT-500 INTERFAC | S/1 TEL TOLL DATA COL NT-500             | 5798-RFY     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1            | 1 S H       |
| NTO              | NETWORK TERMINAL OPTION                  | 5735-XX7     |     | 146     | 109      | 9        | 14       |            | GC38-0297 ACF/NCP/VVS         | 2 S K       |
| NUMERIC          | S/3 TO S/370 NUMERIC FIELD EDIT          | 5798-CZD     |     | 650     |          |          |          | 01         | GB21-2423 DOS/VVS             | 0 I H       |
| NUMERICAL        | NUMERICAL GEOMETRY SYSTEM - BASIC        | 5785-EAH     |     | 1400    |          |          |          | 24         | GB21-2608 MVS                 | 1 S H       |
| NUMERICAL        | NUMERICAL GEOMETRY SYSTEM - ADVANCED     | 5785-EAJ     |     | 1200    |          |          |          | 24         | GB21-2608 5785-EAH            | 1 S H       |
| NUMERICAL        | NUMERICAL GEOMETRY SYSTEM APT-AC BRIDGE  | 5785-EAN     |     | 300     |          |          |          | 24         | GB21-2608 5785-EAH            | 1 S H       |
| NURSE            | NURSE SCHEDULING SYSTEM                  | 5796-ANA     |     | 550     |          |          |          | 12         | G320-5721 DOS/VVS,CICS/VVS    | 1 S H       |
| >NURSING HOME PH | NURSING HOME PHARMACY SYSTEM             | 5798-NRL     |     | 138     |          |          |          | 12         | GB30-1224 SYSTEM/32           | 1 S H       |
| >O/L HOSP ENTRY/ | O/L HOSP DATA ENTRY/INQUIRY              | 5798-NRW     |     | 195     |          |          |          | 12         | GB30-1214 SYSTEM/34           | 1 S H       |
| >O/L TELLER TRAN | CREDIT UNION SYSTEM                      | 5798-NNY     |     | 460     |          |          |          | 24         | GB30-1083 SYSTEM/34           | 1 S H       |
| >OBJ             | FORT IV COMPIL & OBJ SUP LIB VER 2       | 5719-FO2     | R   | 17      |          |          |          |            | GC34-0306 SERIES/1            | 1 S C       |
| >OBJ             | FORTAN IV COMPIL & OBJ SUPPORT LIBRARY   | 5719-F01     | R   | 17      |          |          |          |            | GC34-0131 SERIES/1            | 1 S C       |
| >OCCF            | OPERATOR COMMUNICATION FACILITY          | 5665-288     | P   | 300     | 225      | 7        | 11       |            | GC24-5225 MVS,NCCF,ACF/VTAM   | 1 S K       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| OCCF             | OPERATOR COMMUNICATIONS CONTROL FACILITY | 5746-XC5     |     | 116     | 87       | 10       | 16       | GC33-6113       | DOS/VSE                  | 1 S K       |
| OCL              | 5/3 OCL TO DOS/V5 JCL CONVERSION AID     | 5798-CQJ     |     | 600     |          |          |          | 01 GB21-2130    | ASSEMBLER, VSAM          | 0 S H       |
| >OCL DOCUMENTATI | OCL DOCUMENTATION & MODIF AID            | 5798-NPJ     |     | 345     |          |          |          | 01 GB30-0918    | SYSTEM/3                 | 0 S H       |
| >OCL DOCUMENTATI | PROCED DOCUMEN/MODIFICATION AID          | 5798-NQH     |     | 575     |          |          |          | 01 GB30-1163    | SYSTEM/32                | 0 S H       |
| >OCL DOCUMENTATI | PROCED DOCUMEN/MODIFICATION AID          | 5798-NQH     |     | 575     |          |          |          | 01 GB30-1163    | SYSTEM/32                | 0 S H       |
| >OE&I            | ORDER ENTRY AND INVOICING OE&I           | 5714-M49     |     | 91      | 68       |          |          | GH30-0708       | SYSTEM/38                | 1 I D       |
| OFF-SITE         | 3850 CARTRIDGE OFF-SITE STORAGE SYSTEM   | 5796-AWZ     |     | 180     |          |          | 12       | G320-6166       | VS1                      | 1 S H       |
| OFFICE           | DISTRIBUTED OFFICE SUPPORT / 8100 / DOSF | 5661-172     |     | 164     | 123      | 32       | 51       | GH12-5139       | DPCX AND DOSF            | 2 S K       |
| OFFICE           | DISTRIBUTED OFFICE SUPPORT / 370 REL 1   | 5666-264     |     | 906     | 679      | 160      | 256      | GH12-5137       | DOS/VSE                  | 2 S K       |
| OFFICE           | DISTRIBUTED OFFICE SUPPORT / 370 VER 2   | 5668-982     |     | 975     | 731      | 185      | 296      | GH12-5139       | OS/V5                    | 2 S K       |
| OFFICE           | DISTRIBUTED OFFICE SUPPORT - REMOTE      | 5740-XYK/01  |     | 103     |          |          |          | GH12-5124       | 3730,8100/DOSF           | 2 S B       |
| OFFICE           | DISTRIBUTED OFFICE SYSTEM - HOST         | 5740-XY9/01  |     | 1145    |          |          |          | GH12-5124       | OS/V5                    | 2 S B       |
| OFFICE           | DISTRIBUTED OFFICE SUPPORT FACILITY      | 5761-XR1     |     | 570     | 427      | 84       | 134      | GC27-0546       | DPCX                     | 1 S K       |
| >OFFICE          | IBM HOTEL FRONT OFFICE SYSTEM            | 5660-274     | P   | 475     |          |          |          | 48 GH20-5506    | DMS/DPPX,DPPX/COBOL      | 3 S E       |
| OFFICE           | PROFESSIONAL OFFICE SYSTEM - PROFS       | 5799-BEX     |     | 402     |          |          |          | GH24-2493       | VM/CMS                   | 1 S E       |
| OFFICE           | 3730 DISTRIBUTED OFFICE SUPPORT FOR 6670 | 5798-DCW     |     | 125     |          |          | 12       | GB21-2631       | CICS/OS/V5               | 1 S H       |
| >OFFICE AUTOMATI | 5/34 REMOTE DOC DISTRIB W/ 5520          | 5798-RHK     |     | 250     |          |          |          | 06 GB30-1721    | SYSTEM/34                | 1 S H       |
| >OFFICE SYSTEM 6 | OS 6 COMM & FILE CONVERSION SYS          | 5798-NZH     |     | 143     |          |          |          | 06 GB30-1431    | SYSTEM/34                | 1 S H       |
| >OFFICE SYSTEMS  | 5/1 TEXT ROUTING SYSTEM                  | 5798-NZG     |     | 373     |          |          |          | 24 GB30-1435    | SERIES/1                 | 1 S H       |
| OFFLINE          | VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY | 5798-CJG     |     | 140     |          |          | 12       | GB21-1843       | DOS/V5 VIDEO/370         | 1 S H       |
| OFFLINE          | VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY | 5798-CJP     |     | 140     |          |          | 12       | GB21-1843       | OS/V5 VIDEO/370          | 1 S H       |
| OFFLINE          | 3800 OFFLINE UTILITY                     | 5748-UT2     |     | 64      | 48       | 14       | 22       | GA26-1653       | DOS/V5,OS/V5             | 1 I K       |
| OFFLINE          | 3890 DOS/V5 OFFLINE SORT                 | 5798-CFD/01  |     | 124     |          |          | 12       | GB21-1662       | DOS/V5 5798-BDC          | 1 S H       |
| OFFLINE          | 3890 DOS/V5 OFFLINE FINE SORT II         | 5798-CFD/02  |     | 88      |          |          | 12       | GB21-1662       | 9560-9561                | 1 S H       |
| OFFLINE          | 3890 OS/V5 OFFLINE FINE SORT             | 5798-BDY/01  |     | 144     |          |          | 12       | GB21-1383       | OS/V5                    | 1 S H       |
| OFFLINE          | 3890 OS/V5 OFFLINE SORT ENHANCEMENTS     | 5798-BDY/02  |     | 94      |          |          |          | 12 GB21-1383    | 9526-9527                | 1 S H       |
| >OIL/GAS PRODUCE | JOINT INT G/L ACCTG FOR OIL/GAS          | 5798-NQM     |     | 546     |          |          | 12       | GB30-1191       | SYSTEM/32                | 1 S H       |
| OLTD II          | CICS/V5 ONLINE TEST DEBUG II             | 5796-AHJ     |     | 86      |          |          |          | G320-5710       | DOS/V5,OS/V5             | 1 S E       |
| >OMR             | OPTICAL MARK READER SUPPORT              | 5798-NRC     |     | 575     |          |          |          | 01 GB30-1202    | 5120 SYSTEM              | 1 S H       |
| ON-US            | 3890 ON-US EDITING                       | 5798-CLJ     |     | 204     |          |          | 12       | GB21-1966       | OS/V5                    | 1 S H       |
| ON-US            | 3890 ON-US EDITING                       | 5798-DBL     |     | 210     |          |          | 12       | GB21-2559       | DOS/VSE                  | 1 S H       |
| >ON-US ITEMS     | 3694 DOCUMENT CTL SECTION EDIT           | 5798-RFL     |     | 100     |          |          | 12       | GB30-1645       | SYSTEM/34                | 1 S H       |
| >ONLINE          | MODEL 15D TERMINAL PRINTING SYS          | 5798-NTZ     |     | 230     |          |          | 06       | GB30-1002       | SYSTEM/3                 | 1 S H       |
| >ONLINE          | ONLINE FILE MAINT PROGRAM WRITER         | 5798-NWD     |     | 75      |          |          | 06       | GB30-1287       | SYSTEM/34                | 1 S H       |
| >ONLINE          | ONLINE STUDENT REG. SYSTEM               | 5798-NWP     |     | 333     |          |          | 12       | GB30-1312       | SYSTEM/34                | 1 S H       |
| >ONLINE          | 5/34 ONLINE BICARSA                      | 5798-RFR     |     | 450     |          |          | 12       | GB30-1667       | SYSTEM/34                | 1 S H       |
| >ONLINE          | 5/34 ONLINE ACCTS PAYABLE                | 5798-RFT     |     | 175     |          |          | 12       | GB30-1670       | SYSTEM/34                | 1 S H       |
| >ONLINE A/P      | ONLINE ACCOUNTS PAYABLE                  | 5798-NHG     |     | 201     |          |          | 12       | GB30-0844       | SYSTEM/3                 | 1 S H       |
| >ONLINE A/R      | ONLINE OPEN-ITEM A/R S3-M15              | 5798-NJF     |     | 258     |          |          | 12       | GB30-0897       | SYSTEM/3                 | 1 I H       |
| >ONLINE ADMINIST | ONLINE ADMINISTRATIVE CONTROL            | 5796-NJJ     |     | 258     |          |          | 12       | GB30-0914       | SYSTEM/3                 | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >ONLINE ADMISSIO | DEACONESS HOSP--ONLINE ADMISSION        | 5796-NJB     |     | 322     |          |          |          |    | 12 GB30-0889 | SYSTEM/3                 | 1 I H       |
| >ONLINE BICARSA  | ONLINE BICARSA                          | 5798-NHF     |     | 454     |          |          |          |    | 12 GB30-0842 | SYSTEM/3                 | 1 I H       |
| >ONLINE CABLE TV | S/34 CABLE TV O/L CUSTOMER SERV         | 5796-NZW     |     | 356     |          |          |          |    | 24 GB30-1426 | SYSTEM/34                | 1 S H       |
| >ONLINE CREDIT U | NAVY YARD CREDIT UNION--ONLINE          | 5796-NCH     |     | 339     |          |          |          |    | 24 GB30-0642 | SYSTEM/3                 | 1 I H       |
| >ONLINE DATA COL | ONLINE DATA COLL & INQUIRY              | 5798-NNG     |     | 230     |          |          |          |    | 12 GB30-1060 | SYSTEM/3                 | 1 S H       |
| >ONLINE DATA COL | S/34 ONLINE DATA COLLECT/INQUIRY        | 5798-NNE     |     | 115     |          |          |          |    | 12 GB30-1054 | SYSTEM/34                | 1 S H       |
| >ONLINE DATA FIL | ONLINE DATA FILE DISPLAY PROGRAM        | 5798-NRG     |     | 287     |          |          |          |    | 01 GB30-0701 | SYSTEM/3                 | 0 S H       |
| >ONLINE ENTRY/IN | O/L ENTRY & INQUIRY - LAW FIRMS         | 5798-NQZ     |     | 104     |          |          |          |    | 12 GB30-1200 | SYSTEM/34                | 1 S H       |
| >ONLINE FILE UPD | S/1 TELEPHONE LISTING MGMT SYS          | 5798-NZZ     | P   | 180     |          |          |          |    | 12 GB30-1452 | SERIES/1                 | 1 S H       |
| >ONLINE G/L      | ONLINE GENERAL LEDGER/FINANCIAL         | 5798-NHH     |     | 166     |          |          |          |    | 12 GB30-0846 | SYSTEM/3                 | 1 S H       |
| >ONLINE HOSPITAL | O/L HOSP DATA ENTRY/INQUIRY             | 5798-NRW     |     | 195     |          |          |          |    | 12 GB30-1214 | SYSTEM/34                | 1 S H       |
| >ONLINE HOSPITAL | S/34 HOSP PATIENT MGMT SYSTEM           | 5798-RBP     |     | 600     |          |          |          |    | 24 GB30-1634 | SYSTEM/34                | 1 S H       |
| >ONLINE HOSPITAL | S/34 O/L HOSP FILE MAINT SYSTEM         | 5798-RBX     |     | 120     |          |          |          |    | 06 GB30-1514 | SYSTEM/34                | 1 S H       |
| >ONLINE HOTEL    | ON-LINE HOTEL FRONT OFC MGMT            | 5798-ZZA     |     | 1205    |          |          |          |    | 24           | SYSTEM/3                 | 1 S H       |
| >ONLINE INQUIRY  | S/34 ONLINE DATA COLLECT/INQUIRY        | 5798-NNE     |     | 115     |          |          |          |    | 12 GB30-1054 | SYSTEM/34                | 1 S H       |
| >ONLINE JOBS     | ONLINE JOBS: INITIATION/REVIEW          | 5798-NRX     |     | 86      |          |          |          |    | 12 GB30-1219 | SYSTEM/3                 | 1 S H       |
| >ONLINE MAINTENA | CCP SOURCE LIBRARY MAINT SYS            | 5798-NDR     |     | 98      |          |          |          |    | 06 GB30-0715 | SYSTEM/3                 | 1 S H       |
| >ONLINE MATERIAL | IPICS ONLINE MAT MGMT/DATA MAINT        | 5798-NLR     |     | 287     |          |          |          |    | 12 GB30-1039 | SYSTEM/3                 | 1 I H       |
| >ONLINE MEDICAL  | O/L MED RECORDS SYS - 12/15/15D         | 5796-NRB     |     | 288     |          |          |          |    | 12 GB30-1198 | SYSTEM/3                 | 1 S H       |
| >ONLINE PAYROLL  | ONLINE COMPREHENSIVE PAYROLL            | 5798-NHJ     |     | 201     |          |          |          |    | 12 GB30-0848 | SYSTEM/3                 | 1 S H       |
| >ONLINE PRINTER  | S/34 ONLINE PRINTER SPEC AID            | 5798-RFA     |     | 50      |          |          |          |    | 06 GB30-1619 | SYSTEM/34                | 1 S H       |
| >ONLINE PURCH -  | ONLINE PURCH & RECEIVING SYS            | 5796-NLQ     |     | 345     |          |          |          |    | 12 GB30-1041 | SYSTEM/3                 | 1 S H       |
| >ONLINE PURCH/RE | ONLINE PURCH & RECEIVING SYS            | 5796-NLQ     |     | 345     |          |          |          |    | 12 GB30-1041 | SYSTEM/3                 | 1 S H       |
| >ONLINE PURCHASI | INTERACTIVE PURCHASING SYSTEM           | 5796-NJH     |     | 230     |          |          |          |    | 12 GB30-0911 | SYSTEM/3                 | 1 I H       |
| >ONLINE RECEVIN  | ONLINE PURCH & RECEIVING SYS            | 5796-NLQ     |     | 345     |          |          |          |    | 12 GB30-1041 | SYSTEM/3                 | 1 S H       |
| >ONLINE RECORDS  | O/L MED RECORDS SYS - 12/15/15D         | 5796-NRB     |     | 288     |          |          |          |    | 12 GB30-1198 | SYSTEM/3                 | 1 S H       |
| >ONLINE REJECT   | S/34 ONLINE REJECT RE-ENTRY             | 5798-NZY     |     | 46      |          |          |          |    | 12 GB30-1445 | SYSTEM/34                | 1 S H       |
| >ONLINE SCREEN D | ONLINE SCREEN DESIGN FACILITY           | 5798-NJK     |     | 402     |          |          |          |    | 01 GB30-0765 | SYSTEM/3                 | 0 S H       |
| >ONLINE SEARCH   | STATESMAN--ALPHA SEARCH                 | 5796-NBZ     |     | 86      |          |          |          |    | 24 GB30-0638 | SYSTEM/3                 | 1 S H       |
| >ONLINE SEARCH   | TERMINAL SEARCH FACILITY                | 5798-NFD     |     | 81      |          |          |          |    | 06 GB30-0797 | SYSTEM/3                 | 1 S H       |
| >ONLINE SECURITY | ONLINE SECURITY FACILITY                | 5798-NJG     |     | 115     |          |          |          |    | 12 GB30-0900 | SYSTEM/3                 | 1 S H       |
| >ONLINE SOURCE L | O/L SOURCE LIBRARY MAINT SYSTEM         | 5798-NKY     |     | 143     |          |          |          |    | 06 GB30-0979 | SYSTEM/3                 | 1 S H       |
| >ONLINE TERMINAL | APPL SUPP - CONSUMER TRANS FACIL        | 5798-NWE     |     | 575     |          |          |          |    | 12 GB30-1295 | SYSTEM/3                 | 1 S H       |
| >ONLINE TERMINAL | ONLINE TERMINAL SUPPORT II              | 5798-NYZ     |     | 345     |          |          |          |    | 12 GB30-1409 | SYSTEM/3                 | 1 S H       |
| >ONLINE TRANSACT | TELLER CONTROL PROG ENHANCEMENTS        | 5798-NXL     |     | 155     |          |          |          |    | 12 GB30-1331 | SYSTEM/3                 | 1 S H       |
| OPC              | OPERATIONS PLANNING & CONTROL           | 5740-XT9     |     | 1390    | 1040     |          |          |    | GH19-6120    | OS/VS                    | 2 I B       |
| OPEN             | DOS/VS DASD DEVICE INDEPENDENCE         | 5798-AWH/01  |     | 43      |          |          |          |    | 24 GB21-1002 | DOS/VS                   | 0 I H       |
| >OPEN            | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P | 5668-969     |     | 356     |          |          |          |    | GH20-2467    | OS/VS, IMS/CICS/VS       | 1 S B       |
| OPEN             | FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P | 5746-F54     |     | 317     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| OPEN             | OPEN ITEM ACCOUNTS RECEIVABLE           | 5798-CAE     |     | 135     |          |          |          |    | 12 GB21-1395 | DOS/VS                   | 1 I H       |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >OPEN ITEM A/R   | APPAREL ACCOUNTS RECEIVABLE              | 5796-NRZ     |     | 195     |          |          |          | 12         | GB30-1178 SYSTEM/32            | 1 S H       |
| >OPEN ITEM A/R   | OPEN ITEM A/R FOR DIR ATT 3741           | 5798-NDL     |     | 120     |          |          |          | 12         | GB30-0791 SYSTEM/3             | 1 S H       |
| >OPEN-ITEM A/R   | ONLINE OPEN-ITEM A/R 53-M15              | 5798-NJF     |     | 258     |          |          |          | 12         | GB30-0897 SYSTEM/3             | 1 I H       |
| >OPER            | CPS OPER STATION/DEBUG PACK              | 5799-TBB     | R   | 10      |          |          |          | 24         | SC34-1562 SERIES/1             | 1 S C       |
| OPERATION        | NETWORK OPERATION SUPPORT PROGRAM        | 5735-XX2     |     | 150     | 112      | 33       | 52       |            | GC38-0251 DOS/V5,V51,SV5,MVS   | 2 S C       |
| OPERATIONS       | CAPACITY PLANNING AND OPERATIONS         | 5740-M41     |     | 625     |          |          |          |            | GH12-5119 OS/V51,MVS           | 2 I B       |
| OPERATIONS       | CAPACITY PLANNING AND OPERATIONS         | 5746-M41     |     | 625     |          |          |          |            | GH12-5119 DOS/V5               | 2 I B       |
| OPERATIONS       | CICS/V5 OPERATIONS SUPPORT PACKAGE       | 5798-DBJ     |     | 625     |          |          |          | 12         | GB21-2554 DOS/V5E,DOS,VS,OS/V5 | 1 S H       |
| OPERATIONS       | JOB DOCUMENTATION AND OPERATIONS SETUP   | 5796-AYT     |     | 80      |          |          |          | 12         | G320-6340 DOS/V5E              | 1 S H       |
| OPERATIONS       | OPERATIONS PLANNING & CONTROL            | 5740-XT9     |     | 1390    | 1040     |          |          |            | GH19-6120 OS/V5                | 2 I B       |
| OPERATIONS       | VSAM OPERATIONS UTILITY                  | 5798-CYR     |     | 150     |          |          |          | 12         | GB21-2393 DOS/V5,DOS/V5E       | 1 S H       |
| OPERATOR         | AUTOMATED OPERATOR FACILITY              | 5740-XVD     |     | 639     |          |          |          |            | GH20-2022 IMS/V5 VIR2          | 1 S B       |
| >OPERATOR        | DPPX PROGRAMMED OPERATOR FACILITY        | 5660-273     |     | 580     | 435      | 5        | 8        | 01         | DPPX/BASE                      | 1 S K       |
| OPERATOR         | IMS MASTER TERMINAL OPERATOR ASSIST      | 5798-CLK     |     | 40      |          |          |          | 12         | GB21-1969 OS/V5                | 1 S H       |
| OPERATOR         | IMS/V5 MASTER TERMINAL OPERATOR TRAINING | 5798-DEG     |     | 75      |          |          |          | 12         | GB21-2736 IIS,IIPS             | 1 L H       |
| OPERATOR         | MVS SECONDARY OPERATOR FACILITY          | 5798-CRE     |     | 80      |          |          |          | 12         | GB21-2179 OS/V52-MVS           | 1 S H       |
| >OPERATOR        | OPERATOR COMMUNICATION FACILITY          | 5665-288     | P   | 300     | 225      | 7        | 11       |            | GC24-5225 MVS,NCCF,ACF/VTAM    | 1 S K       |
| OPERATOR         | OPERATOR COMMUNICATIONS CONTROL FACILITY | 5746-XC5     |     | 116     | 87       | 10       | 16       |            | GC33-6113 DOS/V5E              | 1 S K       |
| OPERATOR         | OPERATOR TRAINING FOR 3033 AP / MP       | 5798-DFA     |     | 105     |          |          |          | 12         | GB21-2769 IIS,IIPS             | 1 L H       |
| OPERATOR         | 3276 / 3278 OPERATOR TRAINING COURSE     | 5798-CWZ     |     | 168     |          |          |          | 12         | GB21-2220 IIS,IIPS             | 1 L H       |
| >OPERATOR TRAINI | S/34 COMPUTER ASSISTED TRAINING          | 5798-NPE     |     | 115     |          |          |          | 06         | GB30-1104 SYSTEM/34            | 1 S H       |
| >OPERATOR TRAINI | S/34 COMPUTER ASSISTED TRNG II           | 5798-NZA     |     | 130     |          |          |          | 06         | GB30-1481 SYSTEM/34            | 1 S H       |
| >OPNS/APPL SUPP  | S/1 PXS VER 3 OPNS/APPL SUPP             | 5796-REF     |     | 85      |          |          |          | 12         | GB30-1600 SERIES/1             | 1 S H       |
| >OPTICAL MARK RE | OPTICAL MARK READER SUPPORT              | 5798-NRC     |     | 575     |          |          |          | 01         | GB30-1202 5120 SYSTEM          | 1 S H       |
| OPTIMIZATION     | FORTRAN H EXTENDED OPTIMIZATION ENHANCED | 5796-PKR     |     | 128     |          |          |          |            | G320-6064 OS/V5, VM/CMS        | 1 S E       |
| >OPTIMIZATION    | S/34 STRIP & BAR CUTTING OPTIMIZ         | 5798-NZC     |     | 75      |          |          |          | 12         | GB30-1406 SYSTEM/34            | 1 S H       |
| OPTIMIZATION     | TELPAK OPTIMIZATION SYSTEM               | 5796-PJH     |     | 3000    |          |          |          | 12         | G320-5747 OS/V5                | 1 I H       |
| >OPTIMIZER       | SSX/V5E PL/I OPTIMIZER & LIBRARY         | 5666-276     |     | 322     | 241      | 41       | 66       |            | GC33-6143 SSX/V5E              | 1 S K       |
| OPTIMIZING       | DOS PL/I OPTIMIZING COMPILER             | 5736-PL1     |     | 235     | 176      | 31       | 50       |            | GC33-0004 DOS,DOS/V5/V5E,CMS   | 1 S K       |
| OPTIMIZING       | DOS PL/I OPTIMIZING COMPILER & LIBRARY   | 5736-PL3     |     | 322     | 241      | 41       | 66       |            | GC33-0004 DOS,DOS/V5/V5E,CMS   | 1 S K       |
| OPTIMIZING       | OS PL/I OPTIMIZING COMPILER              | 5734-PL1     |     | 252     | 189      | 31       | 50       |            | GC33-0001 OS/V5,MFT/MVT,CMS    | 1 S K       |
| OPTIMIZING       | OS PL/I OPTIMIZING COMPILER & LIBRARY    | 5734-PL3     |     | 339     | 254      | 41       | 66       |            | GC33-0001 OS/V5,MFT/MVT,CMS    | 1 S K       |
| >OPTIMUM         | OPTIMUM BLENDING PROCESS                 | 5701-D51     |     | 113     |          |          |          |            | GH20-0933 SYSTEM/3             | 1 I C       |
| >OPTIMUM BLENDIN | OPTIMUM BLENDING                         | 5798-NRF     |     | 195     |          |          |          | 12         | GB30-0697 SYSTEM/32            | 1 S H       |
| OPTION           | AMS CRYPTOGRAPHIC OPTION                 | 5740-AM8     |     | 72      | 54       | 5        | 8        |            | GC28-1015 OS/V51,MVS           | 1 S K       |
| OPTION           | DOS FORTRAN IV LIBRARY OPTION 1          | 5746-LM3     |     | 38      | 28       | 5        | 8        |            | GC28-6882 DOS                  | 1 S K       |
| OPTION           | FILE CABINET OPTION                      | 5798-CPY/01  |     | 600     |          |          |          | 24         | GB21-2103 OS/V52,JES2,TCAM     | 1 S H       |
| OPTION           | FILE CABINET OPTION WIDE SCREEN FEATURE  | 5798-CPY/02  |     | 250     |          |          |          | 24         | GB21-2103 6013-6014            | 1 S H       |
| OPTION           | FILE CABINET OPTION / VTAM               | 5798-DCG     |     | 637     |          |          |          | 24         | GB21-2604 MVS JES2,JES3        | 1 S H       |
| OPTION           | NETWORK TERMINAL OPTION                  | 5735-XX7     |     | 146     | 109      | 9        | 14       |            | GC38-0297 ACF/NCP/V5           | 2 S K       |

| KEYWORD           | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO       | ENVIRONMENT OR FEATURE # | T I S P L V |
|-------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------------|--------------------------|-------------|
| >OPTION           | VM/SP HIGH PERFORMANCE OPTION            | 5664-173     | P   | 1400    | 1050     | 100      | 160      |    |                    | VM/SP+MVS/SP             | 2 S K       |
| >ORD              | INV MGMT PROD REP & ORD VAL EVAL IMPROVE | 5714-D46     |     | 226     | 169      |          |          |    | GH30-0080          | SYSTEM/38                | 1 I D       |
| >ORDER            | BILLING INVOICING ORDER ENTRY            | 5725-D41     |     | 98      |          |          |          |    | GH30-0093          | SYSTEM/32                | 1 I D       |
| ORDER             | COPTICS SHOP ORDER RELEASE II            | 5798-DCQ     |     | 230     |          |          |          |    | GB21-2648          | DOS/VSE,OS/VS DL/I       | 1 S E       |
| ORDER             | CUSTOMER ORDER SERVICING DATA MANAGEMENT | 5785-DCN     |     | 195     |          |          |          |    | GB21-2633          | DOS/VSE,OS/VS            | 1 S E       |
| ORDER             | CUSTOMER ORDER SERVICING ORDER MANAGEMNT | 5785-DCP     |     | 195     |          |          |          |    | GB21-2633          | DOS/VSE,OS/VS            | 1 S E       |
| ORDER             | CUSTOMER ORDER SERVICING ORDER MANAGEMNT | 5785-DCP     |     | 195     |          |          |          |    | GB21-2633          | DOS/VSE,OS/VS            | 1 S E       |
| >ORDER            | ORDER ENTRY AND INVOICING OE&I           | 5714-M49     |     | 91      | 68       |          |          |    | GH30-0708          | SYSTEM/38                | 1 I D       |
| >ORDER            | ORDER ENTRY AND INVOICING BILLING        | 5725-M39     |     | 77      |          |          |          |    | GH30-0038          | SYSTEM/32                | 1 I C       |
| >ORDER            | ORDER ENTRY AND INVOICING MFG            | 5726-M39     |     | 77      |          |          |          |    | GH30-0220          | SYSTEM/34                | 1 I C       |
| >ORDER            | ORDER ENTRY AND INVOICING MFG            | 5726-M49     |     | 104     | 78       |          |          |    | GH30-0221          | SYSTEM/34                | 1 I D       |
| >ORDER            | ORDER ENTRY USING DPPX/DMS               | 5798-DEZ     |     | 175     |          |          |          | 24 | GB21-2794          | DPPX/DMS,DPPX/DTMS       | 1 S H       |
| >ORDER ALLOCATIO  | APPAREL ORDER ALLOCATION                 | 5796-NTA     |     | 195     |          |          |          | 12 | GB30-1178          | SYSTEM/32                | 1 S H       |
| >ORDER ALLOCATIO  | S/34 APPAREL BUS SYS - OA                | 5796-RAE     |     | 258     |          |          |          | 12 | GB30-1457          | SYSTEM/34                | 1 S H       |
| >ORDER ANALYSIS   | APPAREL ORDER ENTRY & CONTROL            | 5796-NQP     |     | 575     |          |          |          | 12 | GB30-1178          | SYSTEM/32                | 1 S H       |
| >ORDER ENTRY      | APPAREL ORDER ENTRY & CONTROL            | 5796-NQP     |     | 575     |          |          |          | 12 | GB30-1178          | SYSTEM/32                | 1 S H       |
| >ORDER ENTRY      | S/34 APPAREL BUS SYS - OE & C            | 5796-RAC     |     | 862     |          |          |          | 12 | GB30-1457          | SYSTEM/34                | 1 S H       |
| >ORDER ENTRY      | S/34 DISTRIB & SERVICE MGMT SYS          | 5796-RBK     |     | 747     |          |          |          | 12 | GB30-1501          | SYSTEM/34                | 1 S H       |
| >ORDER ENTRY      | 5280 DISTRIBUTION ORDER ENTRY            | 5798-RDF     |     | 35      |          |          |          | 06 | GB30-1576          | 5280 DATA SYSTEM         | 1 S H       |
| >ORDER MANAGEMENT | PATIENT ORDER MGMT/COMM SYS              | 5796-NRA     |     | 805     |          |          |          | 12 | GB30-1165          | SYSTEM/3                 | 1 S H       |
| >ORDER POINT      | INVEN/3 - COMPUTER ASSISTED INV          | 5798-NCX     |     | 345     |          |          |          | 12 | GB30-0688          | SYSTEM/3                 | 1 I H       |
| >ORDER TRACKING   | S/34 MFG ORDER TRACKING SUBSYS           | 5798-RCT     |     | 104     |          |          |          | 06 | GB30-1536          | SYSTEM/34                | 1 S H       |
| >ORDER/ENTRY INV  | S/34 ONLINE BICARSA                      | 5798-RFR     |     | 450     |          |          |          | 12 | GB30-1667          | SYSTEM/34                | 1 S H       |
| >ORDERING         | INVEN/3 - COMPUTER ASSISTED INV          | 5798-NCX     |     | 345     |          |          |          | 12 | GB30-0688          | SYSTEM/3                 | 1 I H       |
| ORDINARY          | CONSOLIDATED FUNCTIONS ORDINARY VERS 2   | 5736-N13     |     | 380     |          |          |          |    | GH20-5006          | OS/DOS                   | 1 I C       |
| ORGANIZATION      | DATA BASE ORGANIZATION AND MAINTENANCE   | 5736-XX4/01  |     | 115     |          |          |          |    | GH20-0771          | DOS,DOS/VS               | 2 S C       |
| ORIENTED          | COMMUNICATION ORIENTED MESSAGE SYSTEM    | 5668-007     |     | 417     |          |          |          |    | GH12-5127          | OS/VS CICS DL/I          | 1 S E       |
| ORIENTED          | COMMUNICATION ORIENTED MESSAGE SYSTEM    | 5746-XXM     |     | 417     |          |          |          |    | GH12-5127          | DOS/VS                   | 2 S B       |
| OS                | COBOL MAINTENANCE AID OS                 | 5796-AHZ     |     | 500     |          |          |          | 01 | G320-8146          | OS/VS                    | 1 I H       |
| OS                | ENVIROTECH DOS TO OS CONVERSION AID      | 5796-AEZ     |     | 3665    |          |          |          | 01 | G320-8124          | OS OS/VS                 | 1 I H       |
| OS                | GENERAL PURPOSE SIMULATION SYSTEM V OS   | 5734-XS2     |     | 63      |          |          |          |    | GH20-0825          | OS,OS/VS                 | 1 I C       |
| >OS               | OS ASSEMBLER H                           | 5668-962     | P   | 145     | 108      | 5        | 8        |    | OS/VS,MVS/XA,VM/SP |                          | 1 S K       |
| OS                | OS ASSEMBLER H                           | 5734-AS1     |     | 247     |          |          |          |    | GC26-3758          | MFT/HVT/VS1/MVS          | 1 S C       |
| OS                | OS DITTO                                 | 5798-ARD     |     | 65      |          |          |          | 12 | GB21-0857          | OS                       | 1 I H       |
| OS                | OS DITTO EXTENSIONS                      | 5798-CDA     |     | 100     |          |          |          | 12 | GB21-1549          | OS                       | 1 I H       |
| OS                | OS FORTRAN IV (G)                        | 5734-F02     |     | 92      | 69       | 8        | 13       |    | GC28-6884          | OS/TSO/CMS               | 1 S K       |
| OS                | OS FORTRAN IV (H EXTENDED) COMPILER      | 5734-F03     |     | 399     | 299      | 14       | 22       |    | GC28-6884          | OS/MFT/MVT/VS/CMS        | 1 S K       |
| OS                | OS FORTRAN IV LIBRARY (MOD II)           | 5734-LM3     |     | 123     | 92       | 14       | 22       |    | GC28-6884          | OS/MFT/MVT/VS/CMS        | 1 S K       |
| OS                | OS PL/I RESIDENT LIBRARY                 | 5734-LM4     |     | 55      | 41       | 5        | 8        |    | GC33-0001          | OS/VS,MFT/MVT,CMS        | 1 S K       |
| OS                | OS PL/I TRANSIENT LIBRARY                | 5734-LM5     |     | 32      | 24       | 5        | 8        |    | GC33-0001          | OS/VS,MFT/MVT,CMS        | 1 S K       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE #    | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|-----------------------------|-------------|
| OS               | OS PL/I OPTIMIZING COMPILER              | 5734-PL1     |     | 252     | 189      | 31       | 50       |    | GC33-0001    | OS/V, MFT/MVT, CMS          | 1 S K       |
| OS               | OS PL/I CHECKOUT COMPILER                | 5734-PL2     |     | 538     | 403      | 5        | 8        |    | GC33-0003    | OS/MFT/MVT/V, CMS           | 1 S K       |
| OS               | OS PL/I OPTIMIZING COMPILER & LIBRARY    | 5734-PL3     |     | 339     | 254      | 41       | 66       |    | GC33-0001    | OS/V, MFT/MVT, CMS          | 1 S K       |
| OS               | OS SORT / MERGE                          | 5734-SM1     |     | 66      |          |          |          |    | GC33-4022    | OS/MFT/MVT/V, S             | 1 S C       |
| OS               | VIDEO/370 CICS FEATURE QS                | 5734-RC5/02  |     | 81      |          |          |          |    | GC28-8313    | 6085-6087                   | 1 S C       |
| OS               | VSAM CATALOG LIST OS                     | 5796-ALR     |     | 70      |          |          |          | 12 | G320-5716    | OS/V, SVS, MVS              | 1 I H       |
| OS/MFT/MVT       | 3330-11 DEVICE SUPPORT: OS/MFT/MVT (R21) | 5798-BCE     |     | 56      |          |          |          | 12 | GB21-1291    | OS/MFT/MVT                  | 1 S H       |
| OS/V, S          | ACTION CENTER SUPPORT SYSTEM OS/V, S     | 5796-ALZ     |     | 175     |          |          |          | 24 | G320-5717    | OS/V, OS/CICS/V, S          | 1 I H       |
| >OS/V, S         | LEARNING TO CODE OS/V, S JCL             | 5798-DAJ     |     | 95      |          |          |          | 12 | GB21-2508    | IIS, IIPS                   | 1 L H       |
| OS/V, S          | OS/V, S COBOL COMPILER & LIBRARY         | 5740-CB1     |     | 311     | 233      | 12       | 19       |    | GC28-6470    | OS/V, S                     | 1 S K       |
| OS/V, S          | OS/V, S COBOL LIBRARY                    | 5740-LM1     |     | 101     | 75       | 5        | 8        |    | GC28-6470    | OS/V, S                     | 1 S K       |
| >OS/V, S         | OS/V, S RPG II COMPILER                  | 5740-RG1     | P   | 180     | 135      | 10       | 16       |    | GC33-6120    | OS/V, S                     | 1 S K       |
| OS/V, S          | OS/V, S SORT MERGE                       | 5740-SM1     |     | 231     | 173      | 16       | 26       |    | GC33-4033    | OS/V, S                     | 1 S K       |
| OS/V, S          | OS/V, S CAPACITY MANAGEMENT AID          | 5798-CJB     |     | 157     |          |          |          | 12 | GB21-1834    | OS/V, S1, V, S2             | 1 S H       |
| OS/V, S          | OS/V, S ONLINE PROBLEM TRACKING          | 5798-CNJ     |     | 127     |          |          |          | 12 | GB21-2019    | OS/V, S                     | 1 S H       |
| OS/V, S          | OS/V, S DATA-SET EDITOR                  | 5798-CXQ     |     | 100     |          |          |          | 12 | GB21-2350    | OS/V, S                     | 1 S H       |
| OS/V, S          | VSAMZAP FOR OS/V, S                      | 5796-PJQ     |     | 48      |          |          |          | 12 | G320-5826    | OS/V, S                     | 1 I H       |
| OS/V, S          | 3890 OS/V, S OFFLINE FINE SORT           | 5798-BDY/01  |     | 144     |          |          |          | 12 | GB21-1383    | OS/V, S                     | 1 S H       |
| OS/V, S          | 3890 OS/V, S OFFLINE SORT ENHANCEMENTS   | 5798-BDY/02  |     | 94      |          |          |          | 12 | GB21-1383    | 9526-9527                   | 1 S H       |
| OS/V, S          | 3890 OS/V, S PROGRAMMING TESTING AID     | 5798-CBG/01  |     | 264     |          |          |          | 12 | GB21-1444    | DOS/V, S OS/V, S DOS/V, S E | 1 S H       |
| OS/V, S/CPCS     | 3890 ONLINE FINE SORT - OS/V, S/CPCS     | 5798-CRC     |     | 900     |          |          |          | 12 | GB21-2170    | OS/V, S                     | 1 S H       |
| OS/V, S1         | OS/V, S1 RELEASE 7                       | 5652-VS1     |     |         |          |          |          |    | GC30-3057    | OS/V, S1 RELEASE 7          | 2 S J       |
| OS/V, S1         | OS/V, S1 BASIC PROGRAMMING EXTENSIONS    | 5662-257     |     | 189     | 141      | 35       | 56       |    | GC24-5218    | OS/V, S1 REL 7              | 1 S K       |
| OS/V, S1         | OS/V, S1 DISTRIBUTED WORKSTATION SUPPORT | 5740-XYE     |     | 131     | 98       | 27       | 43       |    | GC24-5193    | OS/V, S1                    | 1 S K       |
| OS/V, S1         | OS/V, S1 PRIORITY QUEUE AGING PROCESSOR  | 5796-ARG     |     | 85      |          |          |          | 12 | G320-6050    | OS/V, S1                    | 1 S H       |
| OS/V, S1         | OS/V, S1 PERFORMANCE TOOL                | 5796-PGL     |     | 345     |          |          |          |    | G320-5680    | OS/V, S1                    | 1 S E       |
| OS/V, S1         | SYSTEM IPO FOR OS/V, S1 REL 7            | 5750-AA8     |     | *       | *        | *        | *        |    | GC20-1861    |                             | * * *       |
| OS/V, S2         | OS/V, S2 EMULATOR                        | 5744-AJ1     |     |         |          |          |          |    | GC27-6948    | OS/V, S                     | 0 S C       |
| OS/V, S2 MVS     | OPERATING SYSTEM / MULTIPLE VIRTUAL STOR | 5752-VS2     |     |         |          |          |          |    | GC28-1012    |                             | 0 S J       |
| >OS/6            | OS 6 COMM & FILE CONVERSION SYS          | 5798-NZH     |     | 143     |          |          |          | 06 | GB30-1431    | SYSTEM/34                   | 1 S H       |
| >OTC             | OVER-THE-CTR INV & ACCTS REC INQ OTC     | 5726-DM5     |     | 2070    |          |          |          | 01 | GB30-2501    | SYSTEM/34                   | 1 S C       |
| OUTPATIENT       | DPX OUTPATIENT BILLING SYSTEM            | 5798-DCP     |     | 265     |          |          |          | 12 | GB21-2626    | 8100/DPX                    | 1 S H       |
| >OUTPATIENT      | S/34 HOSP PATIENT MGMT SYSTEM            | 5798-RBP     |     | 600     |          |          |          | 24 | GB30-1634    | SYSTEM/34                   | 1 S H       |
| >OUTPATIENT      | S/34 O/L HOSP FILE MAINT SYSTEM          | 5798-RBX     |     | 120     |          |          |          | 06 | GB30-1514    | SYSTEM/34                   | 1 S H       |
| OUTPUT           | SNA/RJE PRINT OUTPUT ANALYSIS            | 5798-CXH     |     | 110     |          |          |          | 12 | GB21-2326    | OS/V, S                     | 1 I H       |
| OUTPUT           | 3270 FORMAT MACRO FOR OUTPUT DATA STREAM | 5798-AKL     |     | 27      |          |          |          | 12 | GB21-0620    | DOS/OS                      | 1 S H       |
| >OUTPUT          | 8100 DPPX SPOOL OUTPUT TRANSCRIPTION     | 5798-DHM     |     | 600     |          |          |          | 01 | GB21-2926    | DPPX                        | 1 S H       |
| >OVER-THE-CTR    | OVER-THE-CTR INV & ACCTS REC INQ OTC     | 5726-DM5     |     | 2070    |          |          |          | 01 | GB30-2501    | SYSTEM/34                   | 1 S C       |
| >OVERTIME CALCUL | PAYROLL OVERTIME CALCULATION             | 5798-NRT     |     | 218     |          |          |          | 01 | GB30-1217    | SYSTEM/32                   | 0 S H       |
| OZS              | INFORMATION / SYSTEM - OZS               | 5735-OZS/01  |     | 55      | 41       | 7        | 11       |    | GC34-2053    | MVS, V, S E, V, M           | 1 S K       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I S L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|---------|
| OZS              | INFORMATION / MANAGEMENT - OZS           | 5735-OZS/03  |     | 76      | 57       | 5        | 8        |    | GC34-2053    | 6050                     | 1   | S K     |
| OZS              | INFORMATION / ACCESS - OZS               | 5735-OZS/04  |     | 270     | 202      | 13       | 35       |    | GC34-2053    | 6051                     | 1   | S K     |
| >P & L STATEMENT | S/34 G/L & FINAN ACCTG SYS               | 5798-RFW     |     | 150     |          |          |          | 12 | GB30-1673    | SYSTEM/34                | 1   | S H     |
| >P&L             | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5668-968     |     | 184     |          |          |          |    | GH20-2467    | OS/V5,IMS/CICS/V5        | 1   | S B     |
| >P&L             | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5746-F53     |     | 158     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1   | S B     |
| >P-SYSTEM        | UCSD P-SYSTEM (R) WITH UCSD-PASCAL (R)   | 6024-016     |     | 625     |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0   | S H     |
| >P-SYSTEM        | UCSD P-SYSTEM (R) WITH FORTRAN-77        | 6024-017     |     | 625     |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0   | S H     |
| >P/R-JOB COSTING | COMPREHENSIVE CONSTR PR/JOB COST         | 5796-NQB     |     | 184     |          |          |          | 12 | GB30-1129    | 5120 SYSTEM              | 1   | S H     |
| PA II            | CICS PERFORMANCE ANALYZER II             | 5798-CFP     |     | 68      |          |          |          |    | GB21-1862    | DOS/V5,OS/V5             | 1   | S E     |
| >PACK            | CPS OPER STATION/DEBUG PACK              | 5799-TBB     | R   | 10      |          |          |          | 24 | SC34-1562    | SERIES/1                 | 1   | S C     |
| >PACKAGE         | ADVANCED DIAGNOSTICS PACKAGE             | 6025-077     |     | 155     |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0   | S H     |
| >PACKAGE         | CICS/VS OPERATIONS SUPPORT PACKAGE       | 5798-DBJ     |     | 40      |          |          |          | 12 | GB21-2554    | DOS/VSE,DOS,VS,OS/V5     | 1   | S H     |
| >PACKAGE         | CIPREC EXTENDED FUNCTION PACKAGE         | 5740-XC3/02  |     | 371     |          |          |          |    | GH19-1150    |                          | 2   | S B     |
| >PACKAGE         | CIPREC EXTENDED FUNCTION PACKAGE         | 5746-XC3/02  |     | 316     |          |          |          |    | GH19-1150    |                          | 2   | S B     |
| >PACKAGE         | TSO COMMAND PACKAGE                      | 5740-XT6     |     | 129     | 96       | 7        | 11       |    | GC28-0746    | MVS                      | 1   | S K     |
| >PACKAGE         | VM/SP GRAPHIC SUBROUTINE PACKAGE         | 5796-PPR     |     | 80      |          |          |          | 24 | G320-6657    | VM/SP                    | 1   | S H     |
| >PACKAGE         | 3704/5 EMULATOR SUPPORT PACKAGE          | 5744-AN1     |     |         |          |          |          |    | GC30-3002    | OS/V5,VM                 | 0   | S J     |
| >PACKAGE         | 3704/5 NCP SUPPDRT PACKAGE               | 5747-AJ2     |     |         |          |          |          |    | GC30-3008    | DOS/V5                   | 0   | S J     |
| >PACKAGE         | 3850 TRACE INTERPRETATION PACKAGE        | 5785-DBW     |     | 250     |          |          |          | 12 | GB21-2541    | MVS                      | 1   | I H     |
| >PACKET          | PACKET NETWORK SUPPORT RPS               | 5799-TCP     | R   | 52      |          |          |          |    |              | SERIES/1                 | 1   | S E     |
| >PACKET          | X.25 NCP PACKET SWITCHING INTERFACE      | 5668-981     |     | 190     | 142      | 30       | 48       |    | GC30-9545    | ACF/NCP/V5               | 2   | S K     |
| PAGE             | 3800 PAGE FORMATTING SERVICES            | 5796-AWE     |     | 295     |          |          |          | 12 | G320-6089    | OS/V5                    | 1   | S H     |
| >PAGE            | 3800 SIDE-BY-SIDE PAGE PROCESSOR         | 5798-DFW     |     | 65      |          |          |          | 12 | GB21-2816    | OS/V5                    | 1   | S H     |
| PAGING           | MVS PAGING SYSTEM - EXTENDED SWAP        | 5796-PNW     |     | 145     |          |          |          | 12 | G320-6403    | MVS/SE MVS/SP            | 1   | S H     |
| PANEL            | PANEL 2 LINE ART PROGRAM                 | 5796-PPA     |     | 86      |          |          |          | 24 | G320-6420    | VM/370,OS/V5             | 1   | S H     |
| >PANEL           | PROGRAM & PANEL DATA SET UTILITY         | 5798-DHX     |     | 335     |          |          |          | 01 | GB21-2928    | DPXC                     | 0   | S H     |
| PANELS           | ONLINE PANELS ENTRY LIBRARY SYSTEM       | 5798-CET     |     | 150     |          |          |          | 12 | GB21-1641    | CICS CICS/VS MTCS        | 1   | I H     |
| >PAPER CUTTING   | S/34 STRIP & BAR CUTTING OPTIMIZ         | 5798-NZC     |     | 75      |          |          |          | 12 | GB30-1406    | SYSTEM/34                | 1   | S H     |
| PARAMETER        | DDPX 3644 PARAMETER TABLE GENERATOR      | 5760-ED1     |     | 24      | 18       | 6        | 10       |    | GC24-5179    | DDPX                     | 1   | S K     |
| PARAMETER        | 3644 PARAMETER TABLE GENERATION FACILITY | 5668-998     |     | 63      | 47       | 6        | 10       |    | GC31-0009    | DOS/VSE,OS/V51           | 1   | S K     |
| >PARKING         | MOVING AND PARKING CITATION ACCOUNTING   | 5701-623     |     | 151     |          |          |          |    | GH20-1084    | SYSTEM/3                 | 1   | I C     |
| PARTS            | MAINT ENGR: CATALOG INQUIRY PARTS ORDERS | 5796-ARQ     |     | 870     |          |          |          | 24 | G320-6055    | OS/V52                   | 1   | S H     |
| PARTS            | MAINT ENGR: TIME ON PARTS / FORECASTING  | 5796-ARM     |     | 1225    |          |          |          | 24 | G320-6055    | OS/V52                   | 1   | S H     |
| PARTS            | PLANT MAINTENANCE SPARE PARTS MANAGEMENT | 5787-NAE     |     | 800     |          |          |          | 12 | G320-6402    | DOS/VSE CICS DL/I        | 1   | S H     |
| >PARTS DISTRIBUT | S/34 DISTRIB & SERVICE MGMT SYS          | 5796-RBK     |     | 747     |          |          |          | 12 | GB30-1501    | SYSTEM/34                | 1   | S H     |
| >PARTS INVENTORY | DEALER PARTS INVNTY COMM SYSTEM          | 5798-NZL     |     | 86      |          |          |          | 12 | GB30-1443    | 5120 SYSTEM              | 1   | S H     |
| >PARTS INVENTORY | HVY EQUIP DLR PARTS OE/INV STAT          | 5796-NWZ     |     | 575     |          |          |          | 12 | GB30-1322    | SERIES/1                 | 1   | S H     |
| >PARTS INVENTORY | S/34 DEALER PARTS INVNTY                 | 5798-RBG     |     | 287     |          |          |          | 24 | GB30-1498    | SYSTEM/34                | 1   | S H     |
| >PARTS INVENTORY | VEHICLE MAINT/PARTS INVENTORY            | 5796-NNN     |     | 460     |          |          |          | 12 | GB30-1067    | SYSTEM/32                | 1   | S H     |
| >PARTS ORDER ENT | HVY EQUIP DLR PARTS OE/INV STAT          | 5796-NWZ     |     | 575     |          |          |          | 12 | GB30-1322    | SERIES/1                 | 1   | S H     |

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L Y |
|------------------|---|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >PASCAL          | PASCAL COMPILER                         | 6024-010     |     | 300     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| >PASCAL          | UCSD PASCAL (R) COMPILER                | 6024-033     |     | 175     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| PASCAL/V5        | PASCAL/V5 COMPILER                      | 5796-PNQ     |     | 188     |          |          |          |            | 6320-6387 VM/CHS OS/V5         | 1 S E       |
| PASS             | VM PASS THROUGH FACILITY                | 5748-RC1     |     | 139     | 104      | 65       | 104      |            | GC24-5206 VM/SP,VM/BSEP,VM/SE  | 1 S K       |
| >PASS            | VM PASS THROUGH SUPPORT FOR 3101        | 5796-PPF     |     | 170     |          |          |          | 01         | G320-6637 VM/SP,VM/BSEP,VM/SE  | 1 S E       |
| PASS             | VSE 3270 BISVNC PASS THROUGH            | 5746-AM5     |     | 159     |          |          |          |            | GH20-2403 DOS/VSE CICS/V5      | 1 S B       |
| PASSWORD         | AUTOMATIC PASSWORD GENERATION FOR TSO   | 5796-PFR     |     | 80      |          |          |          | 12         | G320-5653 OS/V52 (TSO)         | 1 S H       |
| PATIENT          | HEALTH CARE: PATIENT CARE SYSTEM DL/I   | 5796-ANY     |     | 2900    |          |          |          | 24         | G320-5756 CICS/OS/V5,IMS/V5    | 2 S H       |
| PATIENT          | HEALTH CARE: DL/I PATIENT CARE          | 5796-ATZ     |     | 2900    |          |          |          | 24         | G320-5756 DOS/V5               | 2 S H       |
| PATIENT          | HEALTH CARE: PATIENT DATA MANAGER       | 5796-AYQ     |     | 225     |          |          |          | 12         | G320-6343 DOS/V5,OS/V5         | 1 S H       |
| PATIENT          | HEALTH CARE: PATIENT DATA EDITING       | 5796-AYR     |     | 210     |          |          |          | 12         | G320-6344 DOS/V5,OS/V5         | 1 S H       |
| PATIENT          | HEALTH CARE: DL/I PATIENT APPOINTMENTS  | 5798-CCA     |     | 830     |          |          |          | 12         | GB21-1468 DOS/V5 DL/I CICS/V5  | 1 I H       |
| PATIENT          | HEALTH CARE: DL/I PATIENT REGISTRATION  | 5798-CGE     |     | 315     |          |          |          | 12         | GB21-1729 OS/V5                | 1 I H       |
| PATIENT          | HOSPITAL CARE: PATIENT REGISTRATION     | 5798-CCB     |     | 364     |          |          |          | 12         | GB21-1471 DOS/V5 DL/I CICS/V5  | 1 I H       |
| >PATIENT         | PATIENT BILLING HOSPITAL                | 5725-H11     |     | 37      |          |          |          |            | GH30-0449 SYSTEM/32            | 1 I C       |
| >PATIENT         | PATIENT BILLING HOSPITAL                | 5726-H11     |     | 60      |          |          |          |            | GH30-0404 SYSTEM/34            | 1 I D       |
| PATIENT          | PATIENT CARE SYSTEM - RADIOLOGY         | 5796-AWJ     |     | 460     |          |          |          | 12         | G320-6092 OS/V51, OS/V52       | 1 S H       |
| >PATIENT         | PATIENT CARE: INFECTION DATA MANAGEMENT | 5796-BCC     |     | 540     |          |          |          | 12         | G320-6627 OS/V5,PCS            | 1 S H       |
| >PATIENT         | PATIENT CARE: APPLICATION EXECUTION     | 5796-BCE     |     | 500     |          |          |          |            | G320-6651 OS/V5,DOS/V5E,DL/I   | 1 S E       |
| >PATIENT         | PATIENT CARE: APPLICATION PREPARATION   | 5796-BCF     |     | 425     |          |          |          |            | G320-6651 OS/V5,DOS/V5E,DL/I   | 1 S E       |
| >PATIENT BILLING | DAKOTA HOSPITAL FINANCIAL SYS           | 5796-AAJ     |     | 189     |          |          |          | 12         | G320-1402 SYSTEM/3             | 1 I H       |
| >PATIENT BILLING | S/23 PHYSICIAN MEDICAL SYS              | 5796-ZAW     |     | 6500    |          |          |          | 01         | GB30-1752 SYS/23 DATAMASTER    | 1 I H       |
| >PATIENT DATA    | S/34 ONLINE APPOINTMENT SYSTEM          | 5796-NZP     |     | 258     |          |          |          | 12         | GB30-1440 SYSTEM/34            | 1 S H       |
| >PATIENT HISTORY | DRUID CITY--PSRO HOSP UTILIZATN         | 5796-NBE     |     | 172     |          |          |          | 12         | GB30-0592 SYSTEM/3             | 1 I H       |
| >PATIENT INFO    | S/34 HOSP PATIENT MGMT SYSTEM           | 5798-RBP     |     | 600     |          |          |          | 24         | GB30-1634 SYSTEM/34            | 1 S H       |
| >PATIENT RE-BILL | HOSPITAL REVENUE MGMT - PHIL. GR        | 5796-AEA     |     | 155     |          |          |          | 12         | G320-8079 SYSTEM/3             | 1 I H       |
| PATTERN          | SORT PATTERN GENERATOR                  | 5798-CAH     |     | 216     |          |          |          | 12         | GB21-1410 OS/V51               | 1 S H       |
| >PAYABLE         | A/P FOR DIRECTLY ATTACHED 3741          | 5798-NDE     |     | 178     |          |          |          | 12         | GB30-0706 SYSTEM/3             | 1 S H       |
| >PAYABLE         | ACCOUNTS PAYABLE DISTRIBUTION           | 5714-D48     |     | 61      | 46       |          |          |            | GH30-0710 SYSTEM/38            | 1 I D       |
| >PAYABLE         | ACCOUNTS PAYABLE MANUFACTURING          | 5714-M43     |     | 61      | 46       |          |          |            | GH30-0710 SYSTEM/38            | 1 I D       |
| >PAYABLE         | ACCOUNTS PAYABLE MGMT INFO MULTI IND    | 5715-XX3     |     | 1025    |          |          |          | 01         | GB30-2744 SYS/23 DATAMASTER    | 1 I E       |
| >PAYABLE         | ACCOUNTS PAYABLE                        | 5721-XB3     |     | 76      |          |          |          | 24         | G280-0182 5120 SYSTEM          | 1 S C       |
| >PAYABLE         | ACCOUNTS PAYABLE DISTRIBUTORS           | 5725-D62     |     | 49      |          |          |          |            | GH30-0315 SYSTEM/32            | 1 I C       |
| >PAYABLE         | ACCOUNTS PAYABLE MFG                    | 5725-M33     |     | 49      |          |          |          |            | GH30-0036 SYSTEM/32            | 1 I C       |
| >PAYABLE         | ACCOUNTS PAYABLE CONSTRUCTION           | 5725-M62     |     | 64      |          |          |          |            | GH30-0201 SYSTEM/32            | 1 I C       |
| >PAYABLE         | ACCOUNTS PAYABLE DISTRIBUTORS           | 5726-D6B     |     | 49      |          |          |          |            | GH30-0219 SYSTEM/34            | 1 I C       |
| >PAYABLE         | ACCOUNTS PAYABLE MFG                    | 5726-M33     |     | 49      |          |          |          |            | GH30-0220 SYSTEM/34            | 1 I C       |
| >PAYABLE         | ACCOUNTS PAYABLE DISTR MFG MAPICS       | 5726-M43     |     | 70      | 53       |          |          |            | GH30-0221 SYSTEM/34            | 1 I D       |
| >PAYABLE         | ACCOUNTS PAYABLE CONSTRUCTION           | 5726-M62     |     | 64      |          |          |          |            | GH30-0707 SYSTEM/34            | 1 I C       |
| >PAYABLE         | ACCOUNTS PAYABLE CONSTRUCTION           | 5726-M68/01  |     | 85      | 64       |          |          |            | GH30-0707 SYSTEM/34            | 1 I D       |

| KEYWORD   | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MQ | ENVIRONMENT OR FEATURE #       | T I S P L V |
|-----------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| PAYABLE   | ACCOUNTS PAYABLE                         | 5798-CAC     |     | 170     |          |          |          | 12         | GB21-1392 DOS/VS               | 1 I H       |
| >PAYABLE  | ACCOUNTS PAYABLE / PEACHTREE SOFTWARE    | 6024-007     |     | 595     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| >PAYABLE  | ACCOUNTS PAYABLE                         | 5798-AKM     |     | 175     |          |          |          | 12         | GB21-0432 SYSTEM/3             | 1 I H       |
| >PAYABLE  | CONTR/SUBCONTR ACCTS PAYABLE             | 5798-AJE     |     | 151     |          |          |          | 12         | GB21-0526 SYSTEM/3             | 1 I H       |
| >PAYABLE  | DAKOTA HOSPITAL FINANCIAL SYS            | 5796-AAJ     |     | 189     |          |          |          | 12         | G320-1402 SYSTEM/3             | 1 I H       |
| >PAYABLE  | DEALER ACCT SYS - WESTLAND AUTO          | 5796-ABV     |     | 527     |          |          |          | 12         | G320-1423 SYSTEM/3             | 1 I H       |
| >PAYABLE  | GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | 5725-H14     |     | 48      |          |          |          |            | GH30-0451 SYSTEM/32            | 1 I C       |
| >PAYABLE  | GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | 5726-H14     |     | 79      |          |          |          |            | GH30-0407 SYSTEM/34            | 1 I D       |
| >PAYABLE  | ONLINE ACCOUNTS PAYABLE                  | 5798-NHG     |     | 201     |          |          |          | 12         | GB30-0844 SYSTEM/3             | 1 S H       |
| >PAYABLE  | 5110 ACCOUNTS PAYABLE                    | 5798-NPK     |     | 86      |          |          |          | 12         | GB30-1119 5120 SYSTEM          | 1 S H       |
| >PAYABLES | S/34 ONLINE ACCTS PAYABLE                | 5798-RFT     |     | 175     |          |          |          | 12         | GB30-1670 SYSTEM/34            | 1 S H       |
| PAYMENT   | AUTOMATED BILL PAYMENT SYSTEM - HOST     | 5796-ANX     |     | 1425    |          |          |          | 12         | G320-5752 DOS/VS,CICS/VS       | 1 S H       |
| PAYMENT   | ELECTRONIC PAYMENT SYSTEMS               | 5746-F12     |     | 1110    |          |          |          |            | GH20-1939 DOS/VS               | 2 I B       |
| >PAYMENT  | FINANCIAL: PAYMENT PROCESSING A/P        | 5668-970     |     | 264     |          |          |          |            | GH20-2467 OS/VS,IMS/CICS/VS    | 1 S B       |
| PAYMENT   | FINANCIAL: PAYMENT PROCESSING A/P        | 5746-F55     |     | 238     |          |          |          |            | GH20-2467 DOS/VSE,CICS,DI/1    | 1 S B       |
| PAYROLL   | COBOL PAYROLL MANAGEMENT SYSTEM          | 5798-CYP     |     | 425     |          |          |          | 12         | GB21-2399 DOS/VS/VSE,COBOL     | 1 S H       |
| >PAYROLL  | COMPREHENSIVE PAYROLL MGMT SYS           | 5798-AXD     |     | 149     |          |          |          | 12         | GB21-1056 SYSTEM/3             | 1 I H       |
| >PAYROLL  | CONSTRUCTION PAYROLL/JOB COST            | 5796-NQA     |     | 155     |          |          |          | 12         | GB30-1126 5120 SYSTEM          | 1 S H       |
| >PAYROLL  | CONTR/SUBCONTR PAYROLL                   | 5798-AJF     |     | 151     |          |          |          | 12         | GB21-0529 SYSTEM/3             | 1 I H       |
| >PAYROLL  | DEALER ACCT SYS - WESTLAND AUTO          | 5796-ABV     |     | 527     |          |          |          | 12         | G320-1423 SYSTEM/3             | 1 I H       |
| >PAYROLL  | EARNING STATEMENT                        | 5796-ZAC     |     | 2850    |          |          |          | 01         | GB30-1534 5120 SYSTEM          | 1 S H       |
| >PAYROLL  | HOSP. PAYROLL/PERSONNEL - GWINNE         | 5796-AEH     |     | 117     |          |          |          | 12         | G320-8080 SYSTEM/3             | 1 I H       |
| PAYROLL   | HOSPITAL PAYROLL MANAGEMENT SYS          | 5796-AJQ     |     | 385     |          |          |          | 12         | G320-5651 DOS/VS               | 1 I H       |
| PAYROLL   | ONLINE PAYROLL AND PERSONNEL SYSTEM      | 5796-AFX     |     | 780     |          |          |          | 12         | G320-8126 CICS/DOS/VS          | 1 S H       |
| PAYROLL   | ONLINE PAYROLL PERSONNEL SYS             | 5796-AKH     |     | 1200    |          |          |          | 12         | G320-5757 CICS/DOS/VS          | 1 S H       |
| >PAYROLL  | ONLINE COMPREHENSIVE PAYROLL             | 5798-NHJ     |     | 201     |          |          |          | 12         | GB30-0848 SYSTEM/3             | 1 S H       |
| >PAYROLL  | PAYROLL DISTRIBUTION                     | 5714-D49     |     | 77      | 58       |          |          |            | GH30-0710 SYSTEM/38            | 1 I D       |
| >PAYROLL  | PAYROLL MANUFACTURING                    | 5714-M42     |     | 77      | 58       |          |          |            | GH30-0710 SYSTEM/38            | 1 I D       |
| >PAYROLL  | PAYROLL MGMT INFO MULTI IND              | 5715-XX5     |     | 1025    |          |          |          | 01         | GB30-2755 SYS/23 DATAMASTER    | 1 I E       |
| >PAYROLL  | PAYROLL                                  | 5721-XB2     |     | 76      |          |          |          | 24         | G280-0179 5120 SYSTEM          | 1 S C       |
| >PAYROLL  | PAYROLL DISTRIBUTORS                     | 5725-D63     |     | 63      |          |          |          |            | GH30-0302 SYSTEM/32            | 1 I C       |
| >PAYROLL  | PAYROLL HOSPITAL                         | 5725-H13     |     | 87      |          |          |          |            | GH30-0008 SYSTEM/32            | 1 I C       |
| >PAYROLL  | PAYROLL MFG                              | 5725-M32     |     | 63      |          |          |          |            | GH30-0035 SYSTEM/32            | 1 I C       |
| >PAYROLL  | PAYROLL CONSTRUCTION                     | 5725-M63     |     | 89      |          |          |          |            | GH30-0201 SYSTEM/32            | 1 I C       |
| >PAYROLL  | PAYROLL DISTRIBUTORS                     | 5726-D6C     |     | 63      |          |          |          |            | GH30-0219 SYSTEM/34            | 1 I C       |
| >PAYROLL  | PAYROLL HOSPITAL                         | 5726-H13     |     | 100     |          |          |          |            | GH30-0406 SYSTEM/34            | 1 I D       |
| >PAYROLL  | PAYROLL MFG                              | 5726-M32     |     | 63      |          |          |          |            | GH30-0220 SYSTEM/34            | 1 I C       |
| >PAYROLL  | PAYROLL DISTRIBUTORS MFG MAPICS          | 5726-M42     |     | 95      | 71       |          |          |            | GH30-0221 SYSTEM/34            | 1 I D       |
| >PAYROLL  | PAYROLL CONSTRUCTION                     | 5726-M63     |     | 89      |          |          |          |            | GH30-0707 SYSTEM/34            | 1 I C       |
| >PAYROLL  | PAYROLL AND LABOR COSTING CONSTRUCTION   | 5726-M69     |     | 113     | 85       |          |          |            | GH30-0707 SYSTEM/34            | 1 I D       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| PAYROLL          | PAYROLL MANAGEMENT SYSTEM                | 5798-CBR     |     | 300     |          |          |          | 12         | GB21-1453 DOS/VS RPG II        | 1 I H       |
| >PAYROLL         | PAYROLL W2 FORM                          | 5799-BFD     |     | 75      |          |          |          | 01         | 5120 SYSTEM                    | 1 S C       |
| >PAYROLL         | PAYROLL FOR DIRECTLY ATTACH 3741         | 5798-NDG     |     | 172     |          |          |          | 12         | GB30-0722 SYSTEM/3             | 1 S H       |
| >PAYROLL         | PAYROLL                                  | 5798-NPJ     |     | 92      |          |          |          | 12         | GB30-1117 5120 SYSTEM          | 1 S H       |
| >PAYROLL         | PAYROLL OVERTIME CALCULATION             | 5798-NRT     |     | 218     |          |          |          | 01         | GB30-1217 SYSTEM/32            | 0 S H       |
| >PAYROLL         | S/23 CONSTR INFO - PAYROLL               | 5796-ZAQ     |     | 1750    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER    | 1 I H       |
| >PAYROLL         | S/23 JOB SHOP CONTROL - P/R              | 5796-ZAL     |     | 1200    |          |          |          | 01         | GB30-1714 SYS/23 DATAMASTER    | 1 I H       |
| >PAYROLL         | S/34 APPAREL BUS SYS - P/R               | 5796-RAJ     |     | 299     |          |          |          | 12         | GB30-1457 SYSTEM/34            | 1 S H       |
| >PAYROLL         | S/34 APPAREL BUS SYS - G-T-N P/R         | 5796-RAK     |     | 299     |          |          |          | 12         | GB30-1457 SYSTEM/34            | 1 S H       |
| >PAYROLL         | 5120 JOB SHOP SYS - P/R                  | 5796-RCD     |     | 126     |          |          |          | 12         | GB30-1523 5120 SYSTEM          | 1 S H       |
| PAYROLL          | 8100 DPPX PAYROLL MANAGEMENT SYSTEM      | 5798-DDD     |     | 300     |          |          |          | 12         | GB21-2666 DPPX/BASE            | 1 S H       |
| >PAYROLL (DISKET | COMPREHENSIVE CONSTR PR/JOB COST         | 5796-NQB     |     | 184     |          |          |          | 12         | GB30-1129 5120 SYSTEM          | 1 S H       |
| >PAYROLL DEDUCTI | CREDIT UNION SYSTEM                      | 5798-NHY     |     | 460     |          |          |          | 24         | GB30-1083 SYSTEM/34            | 1 S H       |
| >PAYROLL INTERFA | ADVANCE EARNED INCOME CREDIT I/F         | 5798-NYQ     |     | 575     |          |          |          | 01         | GB30-1395 SYSTEM/34            | 1 S H       |
| >PAYROLL D/T CAL | PAYROLL OVERTIME CALCULATION             | 5798-NRT     |     | 218     |          |          |          | 01         | GB30-1217 SYSTEM/32            | 0 S H       |
| >PBA             | PUBLIC BUDGETING & ACCOUNTING APPL GOVT  | 5726-G21     |     | 323     | 242      |          |          |            | GH30-0229 SYSTEM/34            | 1 I D       |
| PC/3600          | FULL FUNCTION TELLER SYSTEM              | 5796-AZL     |     | 420     |          |          |          | 12         | G320-6391 OS/VS, DOS/VSE       | 1 S H       |
| PC/3600          | ONLINE TELLER ASSIST SYSTEM              | 5796-AZN     |     | 260     |          |          |          | 12         | G320-6392 OS/VS, DOS/VSE       | 1 S H       |
| PC/3600          | PROGRAM CUSTOMIZER / 3600 4700           | 5740-F11     |     | 1740    |          |          |          |            | GH20-1587 OS/VS                | 1 I B       |
| PC/3600          | PROGRAM CUSTOMIZER / 3600 4700           | 5746-F11     |     | 966     |          |          |          |            | GH20-1587 DOS/VSE              | 1 I B       |
| PCB              | CIRCUIT BOARD DESIGN SYSTEM - BASE       | 5796-BBL     |     | 2415    |          |          |          |            | G320-6431 VM/CMS               | 1 S E       |
| PCB              | CIRCUIT BOARD DESIGN VERIFICATION SYSTEM | 5796-BBN     |     | 598     |          |          |          |            | G320-6431 VM/CMS 5796-BBL      | 1 S E       |
| PCB              | CIRCUIT BOARD DESIGN DATA STORAGE SYSTEM | 5796-BBP     |     | 598     |          |          |          |            | G320-6431 VM/CMS 5796-BBL      | 1 S E       |
| >PCB             | PRODUCTION CONTROL AND COSTING PCC MFG   | 5714-M41     |     | 151     | 113      |          |          |            | GH30-0709 SYSTEM/38            | 1 I D       |
| PCF II           | TSO PROGRAMMING CONTROL FACILITY II      | 5798-CLW     |     | 40      |          |          |          |            | GB21-1987 MVS                  | 1 S E       |
| PCS              | PATIENT CARE SYSTEM - RADIOLOGY          | 5796-AWJ     |     | 460     |          |          |          | 12         | G320-6092 OS/VS1, OS/VS2       | 1 S H       |
| >PCS             | PATIENT CARE: INFECTION DATA MANAGEMENT  | 5796-BCC     |     | 540     |          |          |          | 12         | G320-6627 OS/VS, PCS           | 1 S H       |
| >PCS             | PATIENT CARE: APPLICATION EXECUTION      | 5796-BCE     |     | 500     |          |          |          |            | G320-6651 OS/VS, DOS/VSE, DL/I | 1 S E       |
| >PCS             | PATIENT CARE: APPLICATION PREPARATION    | 5796-BCF     |     | 425     |          |          |          |            | G320-6651 OS/VS, DOS/VSE, DL/I | 1 S E       |
| >PCS             | PROJECT CONTROL SYSTEM                   | 5798-NKK     |     | 345     |          |          |          | 12         | GB30-0966 5120 SYSTEM          | 1 S H       |
| >PDA             | DPPX PROBLEM DETERMINATION AID           | 5660-272     |     | 25      | 18       | 8        | 13       |            | GC27-0400 DPPX+NPDA-V2         | 1 S K       |
| >PDM             | PRODUCT DATA MANAGEMENT MFG PDM          | 5714-M46     |     | 136     | 102      |          |          |            | GH30-0709 SYSTEM/38            | 1 I D       |
| PDQ7             | PDQ7 V2                                  | 5798-CBT     |     | 2075    |          |          |          | 12         | GB21-1465 OS/VS, FORTRAN       | 1 S H       |
| >PEACHTREE       | ACCOUNTS PAYABLE / PEACHTREE SOFTWARE    | 6024-007     |     | 595     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| >PEACHTREE       | ACCOUNTS RECEIVABLE / PEACHTREE SOFTWARE | 6024-009     |     | 595     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| >PEACHTREE       | GENERAL LEDGER / PEACHTREE SOFTWARE      | 6024-008     |     | 595     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| PEACS            | PROJECT EVALUATION AND CONTROL SYSTEM    | 5785-EAE     |     | 325     |          |          |          | 24         | G320-6088 VS-APL (5748-AP1)    | 1 S H       |
| >PEAK PROCESSING | S/34 WORK STATION UTILIZ ANALY           | 5796-RDN     |     | 270     |          |          |          | 01         | GB30-1598 SYSTEM/34            | 1 S H       |
| >PENN GENERAL    | INDEPENDENT AGENTS/BROKERS ACCTG         | 5796-NRJ     |     | 333     |          |          |          | 24         | GB30-1209 SYSTEM/32            | 1 S H       |
| >PENSION         | HEALTH, WELFARE, AND PENSION FUND (DISK) | 5702-N11     |     | 227     |          |          |          |            | GH20-1189 SYSTEM/3             | 1 I C       |

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|----------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >PENSION       | HEALTH, WELFARE, AND PENSION FUND MOD 6  | 5703-N11     |     | 305     |          |          |          |    | GH20-1189    | SYSTEM/3                 | 1 I B       |
| PEP            | PEP EXTENDED FEATURES FOR THE 3705-II    | 5799-BAF     |     | 281     | 210      | 24       | 38       |    | GC30-9540    | VS1 MVS DOS/VSE VM       | 2 S K       |
| >PERFORMANCE   | APL PERFORMANCE ANALYSIS TOOLS           | 5796-PPJ     |     | 90      |          |          |          | 12 | G320-6643    | TS0,CMS,VSPC,CICS        | 1 S H       |
| PERFORMANCE    | CICS PERFORMANCE ANALYZER II             | 5798-CFP     |     | 68      |          |          |          |    | GB21-1862    | DOS/VS,OS/VS             | 1 S E       |
| PERFORMANCE    | CICS PERFORMANCE ANALYSIS REPORTING      | 5798-DAB     |     | 69      |          |          |          |    | GB21-2494    | OS/VS,DOS/VSE            | 1 S E       |
| PERFORMANCE    | DPPX PERFORMANCE TOOL MONITOR            | 5760-XR5/01  |     | 48      |          |          |          |    | GH20-2155    | DPPX                     | 1 S B       |
| PERFORMANCE    | DPPX PERFORMANCE TOOL REPORTER FEATURE   | 5760-XR5/02  |     | 55      |          |          |          |    | GH20-2155    | 4002                     | 1 S B       |
| PERFORMANCE    | FORTRAN BDAM PERFORMANCE ENHANCEMENT     | 5798-DGA     |     | 50      |          |          |          | 12 | GB21-2853    | 5734-LC3 OS/VS           | 1 S H       |
| PERFORMANCE    | GENERAL PERFORMANCE ANALYSIS REPORTING   | 5798-CPR     |     | 64      |          |          |          |    | GB21-2091    | OS/VS1, MVS, SVS         | 1 I E       |
| PERFORMANCE    | GENERALIZED PERFORMANCE ANALYSIS REPORT  | 5798-DAA     |     | 46      |          |          |          |    | GB21-2491    | DOS/VSE                  | 1 S E       |
| PERFORMANCE    | NETWORK PERFORMANCE ANALYZER HOST        | 5798-CZR     |     | 126     |          |          |          |    | GB21-2478    | 5798-CZT OS/VS           | 1 S E       |
| PERFORMANCE    | NETWORK PERFORMANCE ANALYZER CONTROLLER  | 5798-CZT     |     | 35      |          |          |          |    | GB21-2478    | 5798-CZR OS/VS           | 1 S E       |
| PERFORMANCE    | NETWORK PERFORMANCE ANALYSIS & REPORTS   | 5798-CZX     |     | 63      |          |          |          |    | GB21-2487    | OS/VS,5798CPR            | 1 S E       |
| PERFORMANCE    | OS/VS1 PERFORMANCE TOOL                  | 5796-PGL     |     | 345     |          |          |          |    | G320-5680    | OS/VS1                   | 1 S E       |
| PERFORMANCE    | PERFORMANCE ANALYSIS & REPORTING SYSTEM  | 5798-CQP     |     | 143     |          |          |          |    | GB21-2139    | TMS/VS V1R2,5798-CPR     | 1 I E       |
| PERFORMANCE    | POWER/VS COST & PERFORMANCE ANALYZER     | 5798-CDG     |     | 140     |          |          |          | 12 | GB21-1513    | DOS/VS                   | 1 S H       |
| >PERFORMANCE   | S/34 STRATEGIC PROFIT MODEL              | 5798-NZR     |     | 287     |          |          |          |    | 01 GB30-1424 | SYSTEM/34                | 1 S H       |
| PERFORMANCE    | SUPERMARKET CASHIER PERFORMANCE SYSTEM   | 5796-BAE     |     | 180     |          |          |          | 12 | G320-6407    | DOS/VSE                  | 1 S H       |
| PERFORMANCE    | VM/CMS PERFORMANCE MONITOR ANALYSIS      | 5798-CPX     |     | 184     |          |          |          |    | GB21-2100    | VM/CMS                   | 1 S E       |
| >PERFORMANCE   | VM/SP HIGH PERFORMANCE OPTION            | 5664-173     | P   | 1400    | 1050     | 100      | 160      |    |              | VM/SP+MVS/SP             | 2 S K       |
| PERFORMANCE    | VSE PERFORMANCE TOOL                     | 5796-PLQ     |     | 201     |          |          |          |    | G320-6155    | DOS/VS,DOS/VSE           | 1 S E       |
| PERFORMANCE    | VTAM PERFORMANCE ANALYSIS & REPORTING    | 5798-CTW     |     | 63      |          |          |          |    | GB21-2246    | OS/VS, 5798-CPR          | 1 I E       |
| >PERFORMANCE   | VTAM PERFORMANCE & ANALYSIS REPORTING II | 5798-DFE     | P   | 140     |          |          |          |    | GB21-2786    | OS/VS,ACF/VTAM           | 1 S E       |
| >PERSONAL      | PERSONAL TEACHING AID                    | 5726-PT1     |     | 600     |          |          |          | 01 |              | SYSTEM/34                | 1 S H       |
| PERSONAL       | PERSONAL TRUST SYSTEM                    | 5796-AHH     |     | 1000    |          |          |          | 24 | G320-8139    | DOS,CICS                 | 1 S H       |
| PERSONAL       | VIRTUAL STORAGE PERSONAL COMPUTING - V2  | 5665-283     |     | 1635    | 1225     | 160      | 256      |    | GH20-9192    | MVS                      | 1 S K       |
| PERSONAL       | VIRTUAL STORAGE PERSONAL COMPUTING       | 5740-XR6     |     | 1265    | 948      | 220      | 352      |    | GH20-9070    | MVS                      | 1 S K       |
| >PERSONNEL     | HOSP. PAYROLL/PERSONNEL - GWINNE         | 5796-AEH     |     | 117     |          |          |          | 12 | G320-8080    | SYSTEM/3                 | 1 I H       |
| PERSONNEL      | INTERACTIVE PERSONNEL SYSTEM             | 5740-AM4/01  |     | 1525    |          |          |          |    | GH20-2151    | TMS/VS,CICS/OS/VS        | 2 S B       |
| PERSONNEL      | INTERACTIVE PERSONNEL SYSTEM             | 5746-AM1/01  |     | 1110    |          |          |          |    | GH20-2151    | CICS/DDOS/VS             | 2 S B       |
| PERSONNEL      | ONLINE PAYROLL AND PERSONNEL SYSTEM      | 5796-AFX     |     | 780     |          |          |          | 12 | G320-8126    | CICS/DDOS/VS             | 1 S H       |
| PERSONNEL      | ONLINE PAYROLL PERSONNEL SYS             | 5796-AKH     |     | 1200    |          |          |          | 12 | G320-5757    | CICS/OS/VS               | 1 S H       |
| >PETROLEUM     | JOINT INT G/L ACCTG FOR OIL/GAS          | 5798-NQW     |     | 546     |          |          |          |    | 12 GB30-1191 | SYSTEM/32                | 1 S H       |
| PHARMACY       | COMPUTER ASSISTED PHARMACY SYSTEM        | 5796-BBD     |     | 5375    |          |          |          | 24 | G320-6422    | MVS                      | 1 S H       |
| PHARMACY       | COMPUTER ASSISTED PHARMACY SYSTEM        | 5796-BBK     |     | 5375    |          |          |          | 24 | G320-6430    | DOS/VSE                  | 1 S H       |
| PHARMACY       | PHARMACY APPLICATION STORE ENVIRONMENT   | 5735-H11     |     | 48      |          |          |          |    | GH20-2189    | DOS/VSE,OS/VS            | 1 S A       |
| >PHARMACY      | S/1 EDX RETAIL PHARMACY SYSTEM           | 5796-NZT     |     | 195     |          |          |          | 24 | GB30-1421    | SERIES/1                 | 1 S H       |
| PHARMACY       | 3650 PHARMACY APPLICATION                | 5798-DAK     |     | 471     |          |          |          | 24 | GB21-2513    | DOS/VS OS/VS             | 1 S H       |
| >PHARMACY APPL | NURSING HOME PHARMACY SYSTEM             | 5798-NRL     |     | 138     |          |          |          | 12 | GB30-1224    | SYSTEM/32                | 1 S H       |
| >PHARMACY APPL | RETAIL PHARMACY SYSTEM                   | 5798-NRN     |     | 603     |          |          |          | 12 | GB30-1226    | SYSTEM/34                | 1 S H       |

KEYWORDS - ALPHABETIC SEQUENCE

1-120

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL HQ | ENVIRONMENT OR FEATURE #     | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|------------------------------|-------------|
| >PHARMACY APPL.  | RETAIL PHARMACY SYSTEM                   | 5796-NLC     |     | 287     |          |          |          | 12         | GB30-1000 SYSTEM/32          | 1 S H       |
| >PHARMACY SYSTEM | S/1 EDX CHAIN PHARMACY SYS               | 5798-RGD     | P   | 2200    |          |          |          | 01         | GB30-1699 SERIES/1           | 1 S H       |
| >PHONE LISTING   | S/1 TELEPHONE LISTING MGMT SYS           | 5798-NZZ     | P   | 180     |          |          |          | 12         | GB30-1452 SERIES/1           | 1 S H       |
| >PHYSICAL INVENT | S/34 DMAS II PHYS INVTY ENHANCE          | 5798-RBN     |     | 92      |          |          |          | 12         | GB30-1506 SYSTEM/34          | 1 S H       |
| >PHYSICIAN       | S/23 PHYSICIAN MEDICAL SYS               | 5796-ZAW     |     | 6500    |          |          |          | 01         | GB30-1752 SYS/23 DATAMASTER  | 1 I H       |
| >PICAS           | JUDD & DETWEILER - P I C A S             | 5796-ABS     |     | 217     |          |          |          | 12         | G320-1432 SYSTEM/3           | 1 I H       |
| >PICTORIAL REPOR | S/34 GRAPHING SYSTEM                     | 5798-NWQ     |     | 69      |          |          |          | 06         | GB30-1315 SYSTEM/34          | 1 S H       |
| >PIECEWORK       | S/34 APPAREL BUS SYS - P/R               | 5796-RAJ     |     | 299     |          |          |          | 12         | GB30-1457 SYSTEM/34          | 1 S H       |
| >PIN GENERATION  | DES PIN GENERATION PROGRAM               | 5798-NNX     |     | 920     |          |          |          | 01         | GB30-1077 SYSTEM/3           | 0 S H       |
| >PIN PAD         | TELLER CONTROL PROG ENHANCEMENTS         | 5798-NXL     |     | 155     |          |          |          | 12         | GB30-1331 SYSTEM/3           | 1 S H       |
| >PIPICS-BATCH PR | PIPICS -- BATCH PRODUCT DATA CTL         | 5798-NJW     |     | 184     |          |          |          | 24         | GB30-0929 SYSTEM/3           | 1 I H       |
| >PIPICS-INVENTOR | PIPICS -- INVENTORY ACCOUNTING           | 5798-NJY     |     | 195     |          |          |          | 24         | GB30-0935 SYSTEM/3           | 1 I H       |
| >PIPICS-MATERIAL | PIPICS -- MATERIAL REQ PLANNING          | 5798-NJZ     |     | 212     |          |          |          | 24         | GB30-0938 SYSTEM/3           | 1 I H       |
| >PIPICS-PROD COS | PIPICS -- PRODUCT COSTING                | 5798-NJX     |     | 69      |          |          |          | 24         | GB30-0932 SYSTEM/3           | 1 I H       |
| PL/I             | API/DI FILE CREATE USING PL/I            | 5796-PKP     |     | 85      |          |          |          | 12         | G320-6066 5796-PJZ,-PKA,-PKB | 1 S H       |
| PL/I             | DOS PL/I RESIDENT LIBRARY                | 5736-LM4     |     | 55      | 41       | 5        | 8        |            | GC33-0004 DOS,DOS/V5/VSE,CMS | 1 S K       |
| PL/I             | DOS PL/I TRANSIENT LIBRARY RELEASE 6     | 5736-LM5     |     | 32      | 24       | 5        | 8        |            | GC33-0004 DOS,DOS/V5/VSE,CMS | 1 S K       |
| PL/I             | DOS PL/I OPTIMIZING COMPILER             | 5736-PL1     |     | 235     | 176      | 31       | 50       |            | GC33-0004 DOS,DOS/V5/VSE,CMS | 1 S K       |
| PL/I             | DOS PL/I OPTIMIZING COMPILER & LIBRARY   | 5736-PL3     |     | 322     | 241      | 41       | 66       |            | GC33-0004 DOS,DOS/V5/VSE,CMS | 1 S K       |
| PL/I             | DOS/V5 TO MVS CORDL, PL/I CONVERSION AID | 5785-EBG     |     | 3940    |          |          |          | 01         | GB21-2792 DOS/VSE,MVS,VM/CMS | 0 I H       |
| PL/I             | DPPX PL/I LIBRARY                        | 5760-LM2     |     | 50      | 37       | 8        | 13       |            | GH19-6081 DPPX               | 1 S K       |
| PL/I             | DPPX PL/I COMPILER                       | 5760-PL1     |     | 290     | 217      | 30       | 48       |            | GH19-6081 DPPX               | 1 S K       |
| PL/I             | OS PL/I RESIDENT LIBRARY                 | 5734-LM4     |     | 55      | 41       | 5        | 8        |            | GC33-0001 OS/V5,MFT/MVT,CMS  | 1 S K       |
| PL/I             | OS PL/I TRANSIENT LIBRARY                | 5734-LM5     |     | 32      | 24       | 5        | 8        |            | GC33-0001 OS/V5,MFT/MVT,CMS  | 1 S K       |
| PL/I             | OS PL/I OPTIMIZING COMPILER              | 5734-PL1     |     | 252     | 189      | 31       | 50       |            | GC33-0001 OS/V5,MFT/MVT,CMS  | 1 S K       |
| PL/I             | OS PL/I CHECKOUT COMPILER                | 5734-PL2     |     | 538     | 403      | 5        | 8        |            | GC33-0003 OS/MFT/MVT/V5/CMS  | 1 S K       |
| PL/I             | OS PL/I OPTIMIZING COMPILER & LIBRARY    | 5734-PL3     |     | 339     | 254      | 41       | 66       |            | GC33-0001 OS/V5,MFT/MVT,CMS  | 1 S K       |
| >PL/I            | PL/I COMPILER AND RESIDENT LIBRARY       | 5719-PL1     | R   | 59      |          |          |          |            | GC34-0084 SERIES/1           | 1 S C       |
| >PL/I            | PL/I COMPIL & RESIDENT LIBRARY VER 2     | 5719-PL2     | R   | 148     |          |          |          |            | GC34-0281 SERIES/1           | 1 S C       |
| >PL/I            | PL/I EDX COMPILER & RESIDENT LIBRARY     | 5719-PL5     | R   | 148     |          |          |          |            | GC34-0145 SERIES/1           | 1 S C       |
| >PL/I            | PL/I EDX TRANSIENT LIBRARY               | 5719-PL6     | R   | 28      |          |          |          |            | GC34-0146 SERIES/1           | 1 S C       |
| PL/I             | PL/I GENERAL PURPOSE SIMULATION SYSTEM   | 5796-PNN     |     | 149     |          |          |          | 24         | G320-6398 VM/CMS,MVS         | 1 S H       |
| PL/I             | PL/I LANGUAGE CONSTRUCTION PREPROCESSOR  | 5796-PLL     |     | 140     |          |          |          | 12         | G320-6096 OS/V5, VM/CMS      | 1 S H       |
| PL/I             | PL/I PROGRAMMING TRAINING                | 5798-CRJ     |     | 246     |          |          |          | 12         | GB21-2187 IIS,IIPS           | 1 L H       |
| >PL/I            | PL/I TRANSIENT LIBRARY                   | 5719-PL3     | R   | 7       |          |          |          |            | GC34-0092 SERIES/1           | 1 S C       |
| >PL/I            | PL/I TRANSIENT LIBRARY VERSION 2         | 5719-PL4     | R   | 28      |          |          |          |            | GC34-0282 SERIES/1           | 1 S C       |
| >PL/I            | SSX/VSE PL/I OPTIMIZER & LIBRARY         | 5666-276     |     | 322     | 241      | 41       | 66       |            | GC33-6143 SSX/VSE            | 1 S K       |
| >PL/I            | SSX/VSE PL/I TRANSIENT LIBRARY           | 5666-277     |     | 32      | 24       | 5        | 8        |            | GC33-6143 SSX/VSE            | 1 S K       |
| >PL/I            | S/1 HOST PL/I - RPS                      | 5798-NZJ     |     | 960     |          |          |          | 24         | GB30-1483 SERIES/1           | 1 S H       |
| >PL/I            | S/1 HOST PL/I - EDX                      | 5798-NZK     |     | 960     |          |          |          | 24         | GB30-1486 SERIES/1           | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #      | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| PLANCODE         | PURCHASE VS LEASE UNDER PLANCODE         | 5798-CRN     |     | 115     |          |          |          | 12         | GB21-2197 OS/VS,DOS/VS        | 1 S H       |
| PLANCODE/I       | PLANNING CONTROL & DECISION EVALUATION   | 5740-XX8     |     | 764     |          |          |          |            | GH19-1103 CICS/IMS VM TSO     | 2 S B       |
| PLANCODE/I       | PLANNING CONTROL & DECISION EVALUATION   | 5746-XX9     |     | 764     |          |          |          |            | GH19-1103 CICS/DOS/VS         | 2 S B       |
| PLANCODE/S       | PLANNING CONTROL & DECISION EVALUATION   | 5740-XX9     |     | 625     |          |          |          |            | GH19-1103 OS/VS               | 2 I B       |
| PLANCODE/S       | PLANNING CONTROL & DECISION EVALUATION   | 5746-XXA     |     | 625     |          |          |          |            | GH19-1103 DOS/VS              | 2 I B       |
| PLANNING         | APL ECONOMETRIC PLANNING LANGUAGE        | 5796-PDW     |     | 224     |          |          |          | 12         | 6320-5535 APLSV               | 1 I H       |
| PLANNING         | AUTOMATED PROJECT PLANNING & EVALUATION  | 5796-AZR     |     | 80      |          |          |          | 12         | 6320-6399 MVS,DOS/VS,VM/CMS   | 1 S H       |
| >PLANNING        | CAPACITY REQUIREMENTS PLANNING CRP MFG   | 5714-M4G     |     | 149     | 112      |          |          |            | GH30-0482 SYSTEM/38           | 1 I D       |
| >PLANNING        | CAPACITY REQUIREMENTS PLANNING MFG CRP   | 5726-M4G     |     | 149     | 112      |          |          |            | GH30-0221 SYSTEM/34           | 1 I D       |
| PLANNING         | CAPACITY PLANNING AND OPERATIONS         | 5740-M61     |     | 625     |          |          |          |            | GH12-5119 OS/VS1,MVS          | 2 I B       |
| PLANNING         | CAPACITY PLANNING AND OPERATIONS         | 5746-M41     |     | 625     |          |          |          |            | GH12-5119 DOS/VS              | 2 I B       |
| PLANNING         | CAPACITY PLANNING EXTENDED               | 5798-CVM     |     | 143     |          |          |          |            | GB21-2391 OS/VS,5798-CPR      | 1 I E       |
| >PLANNING        | CARD B/M AND REQUIREMENTS PLANNING MFG   | 5701-M42     |     | 82      |          |          |          |            | GH20-0770 SYSTEM/3            | 1 I C       |
| PLANNING         | COPICS MATERIAL REQUIREMENTS PLANNING II | 5785-GBF     |     | 105     |          |          |          |            | GB21-2646 DOS/VSE OS/VS DL/I  | 1 S E       |
| PLANNING         | COPICS INVENTORY PLANNING FORECASTING II | 5798-DCR     |     | 172     |          |          |          |            | GB21-2650 DOS/VSE,OS/VS DL/I  | 1 S E       |
| PLANNING         | DATA-SET MIGRATION AND PLANNING AID      | 5798-DCK     |     | 145     |          |          |          | 12         | GB21-2614 OS/VS               | 1 S H       |
| PLANNING         | FINANCIAL PLANNING SYSTEM - APLSV        | 5798-BDE     |     | 345     |          |          |          | 12         | GB21-1339 APLSV,APL/CMS       | 1 I H       |
| PLANNING         | FINANCIAL PLANNING SYSTEM - APL/CMS      | 5798-CFX     |     | 395     |          |          |          | 12         | GB21-1705 VM/CMS WITH APL/CMS | 1 I H       |
| PLANNING         | FINANCIAL PLANNING SYSTEM - TSO          | 5798-CXP     |     | 352     |          |          |          | 12         | GB21-2335 TSO WITH VSAPL      | 1 S H       |
| PLANNING         | FINANCIAL PLANNING SYSTEM - CICS / VSPC  | 5798-DBA     |     | 300     |          |          |          | 12         | GB21-2538 VSAPL W/ CICS,VSPC  | 1 S H       |
| PLANNING         | FINANCIAL PLANNING SYSTEM II - VM/CMS    | 5798-DCN     |     | 200     |          |          |          |            | GB21-2622 VM/CMS WITH VSAPL   | 1 S E       |
| >PLANNING        | INVENTORY AND REQUIREMENTS PLANNING MFG. | 5702-M52     |     | 124     |          |          |          |            | GH20-0971 SYSTEM/3            | 1 S B       |
| >PLANNING        | IPICS MATERIAL REQ PLAN VERS II          | 5798-NLL     |     | 195     |          |          |          | 24         | GB30-1030 SYSTEM/3            | 1 I H       |
| >PLANNING        | IPICS--CAPACITY PLANNING                 | 5798-NCY     |     | 172     |          |          |          | 12         | GB30-0691 SYSTEM/3            | 1 I H       |
| >PLANNING        | MATERIAL REQUIREMENTS PLANNING MRP MFG   | 5714-M4B     |     | 151     | 113      |          |          |            | GH30-0709 SYSTEM/38           | 1 I D       |
| >PLANNING        | MATERIAL REQUIREMENTS PLANNING MFG MRP   | 5726-M4B     |     | 169     | 127      |          |          |            | GH30-0221 SYSTEM/34           | 1 I D       |
| PLANNING         | OPERATIONS PLANNING & CONTROL            | 5740-XT9     |     | 1390    | 1040     |          |          |            | GH19-6120 OS/VS               | 2 I B       |
| >PLANNING        | PIPICS -- MATERIAL REQ PLANNING          | 5798-NJZ     |     | 212     |          |          |          | 24         | GB30-0938 SYSTEM/3            | 1 I H       |
| PLANNING         | PLANNING CONTROL & DECISION EVALUATION   | 5740-XX8     |     | 764     |          |          |          |            | GH19-1103 CICS/IMS VM TSO     | 2 S B       |
| PLANNING         | PLANNING CONTROL & DECISION EVALUATION   | 5740-XX9     |     | 625     |          |          |          |            | GH19-1103 OS/VS               | 2 I B       |
| PLANNING         | PLANNING CONTROL & DECISION EVALUATION   | 5746-XXA     |     | 625     |          |          |          |            | GH19-1103 DOS/VS              | 2 I B       |
| PLANNING         | PLANNING CONTROL & DECISION EVALUATION   | 5746-XX9     |     | 764     |          |          |          |            | GH19-1103 CICS/DOS/VS         | 2 S B       |
| PLANNING         | REQUIREMENTS PLANNING                    | 5734-M51/01  |     | 231     |          |          |          |            | GH20-4618 OS/MFT/MVT/VS       | 1 I C       |
| PLANNING         | REQUIREMENTS PLANNING CONNECTION RECORDS | 5734-M51/02  |     | 33      |          |          |          |            | GH20-4618 6015                | 1 I C       |
| >PLANNING SYSTEM | BUSINESS PLANNING SYSTEM                 | 5798-NPG     |     | 230     |          |          |          | 12         | GB30-1110 5120 SYSTEM         | 1 S H       |
| PLANT            | COPICS PLANT MONITORING - HOST INTERFACE | 5798-DFR     |     | 115     |          |          |          |            | GB21-2842 OS/VS VSE 5798-DFT  | 1 S E       |
| PLANT            | COPICS PLANT MONITORING & CONTROL - 8100 | 5798-DFT     |     | 431     |          |          |          |            | GB21-2842 DPPX 5798-DFR       | 1 S E       |
| >PLANT           | DISTRIBUTED PLANT MAINTENANCE            | 5787-GAA     | P   | 455     |          |          |          |            | GB21-2895 DPPX                | 1 S E       |
| >PLANT           | DPPX POWER PLANT MAINTENANCE             | 5798-DED     |     | 170     |          |          |          | 12         | GB21-2729 DMS/DPPX            | 1 S H       |
| PLANT            | PLANT MAINTENANCE EQUIPMENT MANAGEMENT   | 5787-NAD     |     | 1100    |          |          |          | 12         | 6320-6401 DOS/VSE CICS DL/I   | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC DSLO LLPS MLPS |      |     |     | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L Y |
|------------------|--|--------------|-----|--------------------|------|-----|-----|--------------|--------------------------|-------------|
|                  |  |              |     | SEE                | SEE  | SEE | SEE |              |                          |             |
| PLANT            | PLANT MAINTENANCE SPARE PARTS MANAGEMENT | 5787-NAE     |     | 800                |      |     |     | 12 G320-6402 | DOS/VSE CICS DL/I        | 1 S H       |
| >PLANT           | PLANT FLOOR COLLECTION & LOT TRACKING    | 5798-DFG     |     | 310                |      |     |     | 12 GB21-2881 | DPPX+3640                | 1 S H       |
| PLANT            | 3630 PLANT COMMUNICATION HOST SERVICES   | 5744-CR1     |     |                    |      |     |     | GA24-3721    | OS/V5                    | 0 S N       |
| PLANT            | 3630 PLANT COMMUNICATION SYSTEM HOST     | 5747-CJ1     |     |                    |      |     |     | GA24-3721    | DOS/V5                   | 0 S N       |
| PLANT            | 3630 PLANT MONITORING AND CONTROL        | 5798-DAH/01  |     | 184                |      |     |     | 24 GB21-2506 | DOS/V5 OS/V5             | 1 S H       |
| PLANT            | 3630 PLANT MONITORING ENHANCEMENTS       | 5798-DAH/02  |     | 75                 |      |     |     | 24 GB21-2506 | 9566-9567                | 1 S H       |
| PLIPRG           | PL/I PROGRAMMING TRAINING                | 5798-CRJ     |     | 246                |      |     |     | 12 GB21-2187 | I15, I1PS                | 1 L H       |
| >PLOT            | PRINT PLOT - BASIC                       | 5721-DC1     |     | 575                |      |     |     | 01 SA21-9265 | 5100 SYSTEM              | 3 L C       |
| >PLOT            | PRINT PLOT - APL                         | 5721-DC2     |     | 575                |      |     |     | 01 SA21-9264 | 5100 SYSTEM              | 3 L C       |
| >PLOT            | PRINT PLOT - PROBLEM SOLVER LIB BASIC    | 5721-DC3     |     | 575                |      |     |     | 01 GC21-5191 | 5120 SYSTEM              | 3 L C       |
| >PLOT            | PRINT PLOT - APL PROBLEM SOLVER LIBRARY  | 5721-DC4     |     | 575                |      |     |     | 01 GC21-5190 | 5120 SYSTEM              | 3 L C       |
| PLOTTER          | 3277 GRAPHICS ATTACHMENT PLOTTER TABLET  | 5798-DCE     |     | 47                 |      |     |     | 12 GB21-2598 | TSD, VM &5799-AXX/-W     | 1 S H       |
| PLOTTING         | PMS IV NETWORK PLOTTING PROGRAM          | 5796-PDE     |     | 350                |      |     |     | 12 G320-5531 | OS, OS/V5                | 1 S H       |
| PLOTTING         | 3800 PLOTTING FACILITY                   | 5785-AAA     |     | 220                |      |     |     | 12 GB21-2154 | OS/V5                    | 1 S H       |
| PLUS             | FORTRAN H EXTENDED PLUS                  | 5799-AAH     |     | 1485               | 1110 | 5   | 8   |              | MVS                      | 1 S K       |
| PMS              | PMS IV NETWORK PLOTTING PROGRAM          | 5796-PDE     |     | 350                |      |     |     | 12 G320-5531 | OS, OS/V5                | 1 S H       |
| PMS IV           | COST PROCESSOR FEATURE                   | 5734-XP4/02  |     | 70                 |      |     |     | 6H20-0855    | 6016-6018                | 0 I B       |
| PMS IV           | ENHANCED NETWORK PROCESSOR FEATURE       | 5734-XP4/04  |     | 132                |      |     |     | 6H20-0855    | 6088-6090                | 0 I B       |
| PMS IV           | PROJECT MANAGEMENT SYSTEM IV             | 5734-XP4/01  |     | 71                 |      |     |     | 6H20-0855    | OS/V5                    | 1 I B       |
| PMS IV           | RESOURCE ALLOCATION PROCESSOR FEATURE    | 5734-XP4/03  |     | 285                |      |     |     | 6H20-0855    | 6019-6021                | 0 I B       |
| POINT            | 3650 POINT OF SALE RETAIL ENVIRONMENT    | 5748-D14     |     | 84                 |      |     |     | 48 GC30-3056 | DOS/V5, OS/V5            | 1 S A       |
| POINT            | 3650 POINT OF SALE REPORT CUSTOMIZER     | 5748-D15     |     | 9                  |      |     |     | 48 GC30-3054 | 3650                     | 1 S A       |
| >POINT OF SALE   | POINT OF SALE DATA COLLECTION            | 5798-NYA     |     | 258                |      |     |     | 12 GB30-1397 | SERIES/1                 | 1 S H       |
| >POINT OF SALE   | 5260 POS DATA CONVERSION SYSTEM          | 5798-NYC     |     | 86                 |      |     |     | 12 GB30-1348 | 5120 SYSTEM              | 1 S H       |
| >POINT OF SALE T | DATA CONVERSION SYSTEM                   | 5798-NXA     |     | 113                |      |     |     | 24 GB30-1290 | SYSTEM/3                 | 1 S H       |
| >POLLUTION       | S/I AIR QUALITY MONITORING SYS           | 5798-RDQ     |     | 560                |      |     |     | 12 GB30-1591 | SERIES/1                 | 1 S H       |
| >POLYCRYSTALLINE | X-RAY POLYCRYSTALLINE DIFFRACT           | 5798-NYL     |     | 120                |      |     |     | 12 GB30-1381 | SERIES/1                 | 1 S H       |
| >POLYHEDRAL      | POLYHEDRAL SOLID GEOMETRY                | 5796-PQJ     |     | 420                | 300  |     |     | G320-6650    | OS/V5                    | 1 S E       |
| >PORTER CHEVROLE | S/I AUTO DEALER SYSTEM                   | 5796-RFG     |     | 730                |      |     |     | 24 GB30-1723 | SERIES/1                 | 1 S H       |
| PORTFOLIO        | INVESTMENT PORTFOLIO MANAGEMENT SYSTEM   | 5796-AHH     |     | 2830               |      |     |     | 12 G320-8144 | OS/V5/2, IMS/V5          | 1 S H       |
| >POS DATA COLLEC | POINT OF SALE DATA COLLECTION            | 5798-NYA     |     | 258                |      |     |     | 12 GB30-1397 | SERIES/1                 | 1 S H       |
| >POS TERMINALS   | POINT OF SALE DATA COLLECTION            | 5798-NYA     |     | 258                |      |     |     | 12 GB30-1397 | SERIES/1                 | 1 S H       |
| >POS TERMINALS   | 5260 POS DATA CONVERSION SYSTEM          | 5798-NYC     |     | 86                 |      |     |     | 12 GB30-1348 | 5120 SYSTEM              | 1 S H       |
| POST             | DEMAND DEPOSIT / SAVINGS MEMO POST       | 5796-AZF     |     | 822                |      |     |     | 24 G320-6350 | CICS/V5 TO DL/I          | 1 S H       |
| POST             | 3770 3790 ASSEMBLER LISTING POST EDITOR  | 5798-CQZ     |     | 81                 |      |     |     | 12 GB21-2159 | DOS/V5, OS/V5/1          | 1 I H       |
| >POSTBILLING     | POSTBILLING FOR DIR ATTACH 3741          | 5798-NDK     |     | 120                |      |     |     | 12 GB30-0791 | SYSTEM/3                 | 1 S H       |
| >POSTING         | FINANCIAL: POSTING & GENERAL LEDGER      | 5668-967     |     | 805                |      |     |     | 6H20-2467    | OS/V5, IMS/CICS/V5       | 1 S B       |
| POSTINGS         | FINANCIAL: POSTINGS & GENERAL LEDGER     | 5746-F52     |     | 714                |      |     |     | 6H20-2467    | DOS/VSE, CICS, DL/I      | 1 S B       |
| >POWER           | DPPX POWER PLANT MAINTENANCE             | 5798-DED     |     | 170                |      |     |     | 12 GB21-2729 | DMS/DPPX                 | 1 S H       |
| >POWER           | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U11     | R   | 164                |      |     |     | 48 GC34-0063 | SERIES/1                 | 1 S C       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT QR FEATURE #      | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| >POWER           | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U12/01  | R   | 236     |          |          |          | 48         | GH30-0094 SERIES/1            | 1 S C       |
| >POWER           | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U13     | R   | 325     |          |          |          | 48         | GH30-0500 SERIES/1            | 1 S C       |
| >POWER           | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U14/01  | R   | 116     |          |          |          | 48         | GH30-0094 SERIES/1            | 1 S C       |
| >POWER           | ENERGY FACILITY CONTROL POWER MGMT       | 5719-U15     | R   | 144     |          |          |          | 48         | GH30-0500 SERIES/1            | 1 S C       |
| >POWER           | VSE/POWER VERSION 2                      | 5666-273/01  | P   | 100     | 75       | 20       | 32       |            | GH12-5131 DOS/VSE,VSE/AF      | 1 S K       |
| >POWER           | VSE/POWER SHARED SPOOLING                | 5666-273/02  |     | 38      | 28       | 7        | 11       |            | GH12-5131                     | 1 S K       |
| POWER            | VSE/POWER                                | 5746-XE3/01  |     | 51      | 38       | 13       | 20       |            | GH12-5131 DOS/VSE             | 1 S K       |
| POWER            | VSE/POWER SHARED SPOOLING                | 5746-XE3/03  |     | 38      | 28       | 7        | 11       |            | GH12-5131 6075-6079           | 1 S K       |
| >POWER CONSUMPTI | FACILITIES CONTROL MULTIPLEXER           | 5798-NWB     |     | 138     |          |          |          | 12         | GB30-1275 SERIES/1            | 1 S H       |
| POWER/RJE        | VSE/POWER REMOTE JOB ENTRY               | 5746-XE3/02  |     | 89      | 66       | 18       | 29       |            | GH12-5131 6067-6071           | 1 S K       |
| POWER/VS         | CONSOLE SPOOLING UNDER POWER/VS          | 5798-CPQ     |     | 80      |          |          |          | 12         | GB21-2084 DOS/VS              | 1 S H       |
| POWER/VS         | ETSS/II LIBRARY INTERFACE TO POWER/VS    | 5798-CYZ     |     | 75      |          |          |          | 12         | GB21-2411 DOS/VS              | 1 S H       |
| POWER/VS         | POWER/VS CHARGE-BACK SYSTEM              | 5796-AQJ     |     | 100     |          |          |          | 12         | G320-5809 DOS/VS              | 1 S H       |
| POWER/VS         | POWER/VS COST & PERFORMANCE ANALYZER     | 5798-CDG     |     | 140     |          |          |          | 12         | GB21-1513 DOS/VS              | 1 S H       |
| POWER/VS         | POWER/VS RJE CONTROLLED ACCESS MONITOR   | 5798-CPH     |     | 80      |          |          |          | 12         | GB21-2066 DOS/VS              | 1 S H       |
| POWER/VS         | POWER/VS 3777-2 WORKSTATION PROGRAM      | 5798-CXR     |     | 80      |          |          |          | 12         | GB21-2338 DOS/VS              | 1 S H       |
| >POWER/VS        | REMOTE JOB ENTRY FOR POWER/VS            | 5796-NTR     |     | 172     |          |          |          | 06         | GB30-1253 SYSTEM/34           | 1 S H       |
| >POWER/VS        | REMOTE JOB ENTRY FOR POWER/VS            | 5798-NDW     |     | 143     |          |          |          | 12         | GB30-0746 SYSTEM/3            | 1 S H       |
| PREP             | 3650 SUBSYSTEM PROGRAM PREP SUPPORT II   | 5735-D16     |     | 400     | 300      | 22       | 35       |            | GC30-9524 DOS/VSE,OS/VS       | 1 S K       |
| >PREPARATION     | BASE PROGRAM PREPARATION FACILITY        | 5719-PA1     | R   | 113     |          |          |          | 24         | GC34-0091 SERIES/1            | 1 S C       |
| >PREPARATION     | DATA PREPARATION RETAIL                  | 5726-XA4     |     | 119     | 89       |          |          |            | GH30-0136 SYSTEM/34           | 1 I D       |
| >PREPARATION     | EDX PROGRAM PREPARATION FACILITIES VER 1 | 5719-XX2     | R   | 20      |          |          |          |            | GC34-0303 SERIES/1            | 1 S C       |
| >PREPARATION     | EDX PROGRAM PREPARATION FACILITIES VER 2 | 5719-XX3     | R   | 26      |          |          |          |            | GC34-0301 SERIES/1            | 1 S C       |
| >PREPARATION     | EDX PROGRAM PREPARATION FACILITY VER 3   | 5719-XX4     | R   | 36      |          |          |          |            | GC34-1707 SERIES/1            | 1 S E       |
| PREPARATION      | NETWORK PREPARATION PROCESSOR FEATURE    | 5740-XP1/04  |     | 72      |          |          |          |            | GH19-1055 6009-6011           | 1 I B       |
| PREPARATION      | NETWORK PREPARATION PROCESSOR FEATURE    | 5746-XP1/04  |     | 72      |          |          |          |            | GH19-1055 6014-6018,6046      | 1 I B       |
| PREPARATION      | ONLINE PREPARATION OF VIDEO FORMAT       | 5798-BAC     |     | 142     |          |          |          | 06         | GB21-1210 DOS/OS              | 1 S H       |
| >PREPARATION     | PATIENT CARE: APPLICATION PREPARATION    | 5796-BCF     |     | 425     |          |          |          |            | G320-6651 OS/VS, DOS/VSE,DL/I | 1 S E       |
| >PREPARATION     | PROG COMM SUBSYSTEM PREPARATION FACILITY | 5719-CS0     | R   | 10      |          |          |          |            | GC34-0183 SERIES/1            | 1 S C       |
| >PREPARATION     | PROGRAM PREPARATION SUBSYSTEM            | 5719-AS1     | R   | 23      |          |          |          |            | GC34-0121 SERIES/1            | 1 S C       |
| >PREPARATION     | PROGRAM PREPARATION SUBSYSTEM VERSION 2  | 5719-AS2     | R   | 25      |          |          |          |            | GC34-0127 SERIES/1            | 1 S C       |
| >PREPARATION     | PROGRAM PREPARATION SUBSYSTEM VERSION 3  | 5719-AS3     | R   | 28      |          |          |          |            | GC34-0221 SERIES/1            | 1 S C       |
| >PREPARATION     | PROGRAM PREPARATION SUBSYSTEM VERSION 4  | 5719-AS4     | R   | 30      |          |          |          |            | GC34-0270 SERIES/1            | 1 S C       |
| >PREPARATION     | PROGRAM PREPARATION SUBSYSTEM VERSION 5  | 5719-AS5     | R   | 120     |          |          |          |            | GC34-0352 SERIES/1            | 1 S E       |
| >PREPARATION     | RETAIL DATA PREPARATION 5260             | 5714-XA4     |     | 129     | 97       |          |          |            | GH30-0136 SYSTEM/38           | 1 I D       |
| >PREPARATION     | RETAIL DATA PREPARATION 5265             | 5725-XA2     |     | 119     |          |          |          |            | GH30-0136 SYSTEM/32           | 1 I B       |
| PREPARATION      | SUBSYSTEM PROGRAM PREPARATION            | 5744-BQ2     |     |         |          |          |          |            | GC30-9513 OS/VS               | 0 S S       |
| PREPARATION      | SUBSYSTEM PROGRAM PREPARATION            | 5747-BJ2     |     |         |          |          |          |            | GC30-9515 DOS/VS              | 0 S S       |
| >PREPARATION     | VISUAL AIDS PREPARATION SYSTEM           | 5798-DJZ     |     | 1300    |          |          |          | 01         | GB21-2968 GDDM/PGF            | 1 S H       |
| PREPARATION      | 3890 STATEMENT PREPARATION SORT          | 5796-ALP     |     | 300     |          |          |          | 12         | G320-5715 OS/VS1              | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| PREPROCESSOR     | DATA DICTIONARY LANGUAGE PREPROCESSOR    | 5798-DEQ     |     | 55      |          |          |          | 12         | GB21-2758 OS/V5,COBOL,PL/I,ASM | 1 S H       |
| >PREPROCESSOR    | DATA DICTIONARY LANGUAGE PREPROCESSOR    | 5798-DHG     |     | 735     |          |          |          | 01         | GB21-2902 D05/V5E,DL/1         | 1 S H       |
| PREPROCESSOR     | S/3 RPG II CONVERSION PREPROCESSOR       | 5735-CV1     |     | 660     |          |          |          | 01         | GH20-4532 S/3,D05/V5           | 0 I C       |
| PREPROCESSOR     | 3270 SCREEN IMAGE PREPROCESSOR           | 5796-AFC     |     | 123     |          |          |          | 12         | G320-8099 OS, OS/V5            | 1 S H       |
| >PRESCRIPTION    | NURSING HOME PHARMACY SYSTEM             | 5798-NRL     |     | 138     |          |          |          | 12         | GB30-1224 SYSTEM/32            | 1 S H       |
| >PRESCRIPTION    | RETAIL PHARMACY SYSTEM                   | 5798-NRN     |     | 603     |          |          |          | 12         | GB30-1226 SYSTEM/34            | 1 S H       |
| >PRESCRIPTION CT | S/1 EDX CHAIN PHARMACY SYS               | 5798-RGD     | P   | 2200    |          |          |          | 01         | GB30-1699 SERIES/1             | 1 S H       |
| >PRESCRIPTIONS   | RETAIL PHARMACY SYSTEM                   | 5796-NLC     |     | 287     |          |          |          | 12         | GB30-1000 SYSTEM/32            | 1 S H       |
| >PRESCRIPTIONS   | S/1 EDX RETAIL PHARMACY SYSTEM           | 5796-NZT     |     | 195     |          |          |          | 24         | GB30-1421 SERIES/1             | 1 S H       |
| PRESENTATION     | DPPX DISTRIBUTED PRESENTATION SERVICES   | 5660-264/01  |     | 53      | 39       | 14       | 22       |            | GC33-0122 DPPX                 | 1 S K       |
| PRESENTATION     | DPPX DISTRIBUTED PRESENTATION SERVICES   | 5760-XR1/01  |     | 40      | 30       | 9        | 15       |            | GC33-0090 DPPX                 | 1 S K       |
| PRESENTATION     | INTERACTIVE INSTRUCTIONAL PRESENTATION   | 5668-012     |     | 218     |          |          |          |            | GH20-2446 OS/V5,D05/V5E,VM/CMS | 2 S B       |
| PRESENTATION     | PRESENTATION GRAPHICS FEATURE            | 5748-XXH/02  |     | 126     | 94       | 30       | 48       |            | GC33-0100 5202-5209            | 1 S K       |
| >PRESENTATION    | PRESENTATION ENHANCEMENTS USING THE 3800 | 5798-DJY     | P   | 120     |          |          |          | 12         | GB21-2965 OS/V5                | 1 S H       |
| >PRESENTATION    | RPS SCREEN FORMAT PRESENTATION SUPPORT   | 5719-SF2     | R   | 25      |          |          |          |            | GC34-0326 SERIES/1             | 1 S C       |
| >PRESENTATION    | THREE DIMENSIONAL PRESENTATION GRAPHICS  | 5798-DGP     |     | 145     |          |          |          | 12         | GB21-2867 VM/CMS,MVS,GDDM      | 1 S H       |
| PRESENTATION     | 3279 EXECUTIVE PRESENTATION SYSTEM       | 5798-DEB     |     | 345     |          |          |          | 12         | GB21-2725 VM,TSO + GDDM        | 1 S H       |
| PRESENTATION     | 3640 PRESENTATION SERVICES EXECUTION MGR | 5660-267/01  |     | 61      | 45       | 16       | 26       |            | GC31-0010 DPPX/BASE            | 1 S K       |
| >PRESENTATIONS   | S/34 GRAPHING SYSTEM                     | 5798-NWQ     |     | 69      |          |          |          | 06         | GB30-1315 SYSTEM/34            | 1 S H       |
| >PRICING         | S/34 NEGOTIABLE ORDER OF WITHDRA         | 5798-RDE     |     | 65      |          |          |          | 12         | GB30-1583 SYSTEM/34            | 1 S H       |
| PRINT            | BOLDFACE PRINT PROGRAM FOR THE 3800      | 5798-CKR     |     | 145     |          |          |          | 12         | GB21-1942 OS/V52,OS/V52        | 1 S H       |
| PRINT            | D05/V5 CHAINED C0W PRINT SUBROUTINE      | 5796-ARH     |     | 350     |          |          |          | 01         | G320-5828 D05/V5               | 1 S H       |
| PRINT            | HOST PRINT FACILITY                      | 5740-XY9/04  |     | 139     |          |          |          |            | GH12-5124 6113-6114            | 2 S B       |
| >PRINT           | IBM 8100/DPPX FILE PRINT UTILITY         | 5798-DGG     |     | 25      |          |          |          | 12         | GB21-2840 DPPX                 | 1 S H       |
| >PRINT           | PRINT PLOT - BASIC                       | 5721-DC1     |     | 575     |          |          |          | 01         | SA21-9265 5100 SYSTEM          | 3 L C       |
| >PRINT           | PRINT PLOT - APL                         | 5721-DC2     |     | 575     |          |          |          | 01         | SA21-9264 5100 SYSTEM          | 3 L C       |
| >PRINT           | PRINT PLOT - PROBLEM SOLVER LIB BASIC    | 5721-DC3     |     | 575     |          |          |          | 01         | GC21-5191 5120 SYSTEM          | 3 L C       |
| >PRINT           | PRINT PLOT - APL PROBLEM SOLVER LIBRARY  | 5721-DC4     |     | 575     |          |          |          | 01         | GC21-5190 5120 SYSTEM          | 3 L C       |
| >PRINT           | PRINT SPOOLING SYSTEM FOR CICS           | 5785-DCW     |     | 255     |          |          |          | 12         | GB21-2970 V5E,OS/V5,CICS/V5    | 1 S H       |
| PRINT            | PRINT LOAD ANALYZER                      | 5798-CXY     |     | 90      |          |          |          | 12         | GB21-2355 OS/V5                | 1 I H       |
| PRINT            | SNA/RJE PRINT OUTPUT ANALYSIS            | 5798-CXH     |     | 110     |          |          |          | 12         | GB21-2326 OS/V5                | 1 I H       |
| PRINT            | TSO DATA-SET PRINT                       | 5798-CPF/01  |     | 200     |          |          |          | 24         | GB21-2069 OS/V52 (MVS)         | 1 S H       |
| PRINT            | TSO DATA-SET PRINT - VTAM EXTENSIONS     | 5798-CPF/02  |     | 76      |          |          |          | 12         | GB21-2069 6025-6026            | 1 S H       |
| PRINT            | VSPC LIBRARY PRINT PROGRAM               | 5785-EAA     |     | 250     |          |          |          | 01         | G320-5816 MVS, VSPC            | 1 S H       |
| PRINT            | 3800 90 DEGREE PRINT PROGRAM             | 5796-ARE     |     | 260     |          |          |          | 12         | G320-5825 OS/V5                | 1 S H       |
| PRINT            | 3800 90 DEGREE PRINT PROGRAM             | 5796-AWX     |     | 260     |          |          |          | 12         | G320-5825 D05/V5E              | 1 S H       |
| PRINT            | 3800 90 DEGREE PRINT EXTENSIONS          | 5796-BAC     |     | 65      |          |          |          | 12         | G320-6418 5796-ARE,-AWX        | 1 S H       |
| >PRINT SPOOL     | ITS PRINT SPOOL                          | 5798-NXD     |     | 92      |          |          |          | 12         | GB30-1305 SERIES/1             | 1 S H       |
| PRINTER          | VM/CMS SPOOLING FOR LOCAL 328X PRINTER   | 5796-PKZ     |     | 60      |          |          |          | 12         | G320-6073 VM/CMS               | 1 S H       |
| PRINTER          | 2927 DUAL PRINTER UTILITY PROGRAM        | 5796-AFK     |     | 115     |          |          |          | 12         | G320-8106 8K BPS TAPE          | 1 S H       |

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L Y |
|----------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >PRINTER       | 5224/5225 ADV PRINTER FUNCTION           | 5799-BFN     |     | 525     |          |          |          | 01 GC21-7922 | SYSTEM/34                | 1 S E       |
| >PRINTER SPEC  | S/34 ONLINE PRINTER SPEC AID             | 5798-RFA     |     | 50      |          |          |          | 06 GB30-1619 | SYSTEM/34                | 1 S H       |
| >PRINTING      | JUDD & DETWEILER - P I C A S             | 5796-ABS     |     | 217     |          |          |          | 12 G320-1432 | SYSTEM/3                 | 1 I H       |
| >PRINTING      | MODEL 15D TERMINAL PRINTING SYS          | 5798-NTZ     |     | 230     |          |          |          | 06 GB30-1002 | SYSTEM/3                 | 1 S H       |
| >PRINTING      | S/1 TEXT ROUTING SYSTEM                  | 5798-NZG     |     | 373     |          |          |          | 24 GB30-1435 | SERIES/1                 | 1 S H       |
| PRINTING       | SIMULTANEOUS PRINTING 3650 TRANSACTIONS  | 5798-CZK     |     | 25      |          |          |          | 12 GB21-2469 | DOS/V5                   | 1 S H       |
| PRINTING       | 3800 HIGH VOLUME PRINTING PROGRAM        | 5796-ARA     |     | 180     |          |          |          | 12 G320-5821 | OS/V5                    | 1 S H       |
| PRINTING       | 3800 UNIVERSAL PRODUCT CODE PRINTING     | 5798-CTA     |     | 235     |          |          |          | 12 GB21-2219 | OS/V5                    | 1 S H       |
| PRIORITY       | OS/V5/1 PRIORITY QUEUE AGING PROCESSOR   | 5796-ARG     |     | 85      |          |          |          | 12 G320-6050 | OS/V5/1                  | 1 S H       |
| >PROB          | BUSINESS ANALYSIS -BASIC PROB SOLVER LIB | 5721-DC5     |     | 603     |          |          |          | 01 GH30-0394 | 5120 SYSTEM              | 3 L C       |
| >PROBLEM       | DPPX PROBLEM DETERMINATION AID           | 5660-272     |     | 25      | 18       | 8        | 13       | GC27-0400    | DPPX+HPDA-V2             | 1 S K       |
| PROBLEM        | MAINT ENGR: PROBLEM CORRECTION REPORTING | 5796-ARP     |     | 2780    |          |          |          | 24 G320-6055 | OS/V5/2                  | 1 S H       |
| >PROBLEM       | MATH - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC6     |     | 603     |          |          |          | 01 GH30-0395 | 5120 SYSTEM              | 3 L C       |
| PROBLEM        | MVS/SMF PROBLEM PROGRAM ACTIVITY REPORT  | 5798-CPP     |     | 80      |          |          |          | 12 GB21-2089 | MVS                      | 1 I H       |
| >PROBLEM       | NETWORK PROBLEM DETERMINATION APPLICATOR | 5668-983/01  |     | 80      | 60       | 21       | 34       | GC34-2061    | VSE,OS/V5,VM,NCCF        | 1 S K       |
| PROBLEM        | NETWORK PROBLEM DETERMINATION APPLICATOR | 5735-XX8/01  |     | 59      | 44       | 19       | 31       | GC34-2010    | DOS/VSE,OS/V5,NCCF       | 2 S K       |
| PROBLEM        | OS/V5 ONLINE PROBLEM TRACKING            | 5798-CNJ     |     | 127     |          |          |          | 12 GB21-2019 | OS/V5                    | 1 S H       |
| >PROBLEM       | PRINT PLOT - PROBLEM SOLVER LIB BASIC    | 5721-DC3     |     | 575     |          |          |          | 01 GC21-5191 | 5120 SYSTEM              | 3 L C       |
| >PROBLEM       | PRINT PLOT - APL PROBLEM SOLVER LIBRARY  | 5721-DC4     |     | 575     |          |          |          | 01 GC21-5190 | 5120 SYSTEM              | 3 L C       |
| PROBLEM        | PROBLEM DETERMINATION FOR MVS OPERATORS  | 5798-DEY     |     | 760     |          |          |          | 01 GB21-2760 | IIS,IIPS                 | 1 I H       |
| >PROBLEM       | STAT - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC7     |     | 603     |          |          |          | 01 GH30-0396 | 5120 SYSTEM              | 3 L C       |
| >PROBLEM       | STATISTICAL PROBLEM SOLVING              | 5725-XA1     |     | 94      |          |          |          | GH30-0181    | SYSTEM/32                | 1 S B       |
| PROBLEM        | VM/INTERACTIVE PROBLEM CONTROL SYSTEM    | 5748-SA1     |     | 41      | 30       | 5        | 8        | GC34-2019    | VM/GMS                   | 1 S K       |
| PROBLEM        | VSE INTERACTIVE PROBLEM CONTROL          | 5746-SA1     |     | 31      | 23       | 5        | 8        | GC34-2017    | DOS/VSE                  | 1 S K       |
| >PROCEDURE     | PROCEDURE CONTROL LANGUAGE               | 5708-CL1     |     | 9       | 7        |          |          | GC23-0754    | 5280 DATA SYSTEM         | 1 S A       |
| PROCEDURE      | PROCEDURE LIBRARY - MATHEMATICS          | 5734-XM3     |     | 102     |          |          |          | GH20-0854    | OS                       | 1 S C       |
| >PROCEDURE DOC | PROCED DOCUMENT/MODIFICATION AID         | 5798-NQH     |     | 575     |          |          |          | 01 GB30-1163 | SYSTEM/32                | 0 S H       |
| >PROCESS       | OPTIMUM BLENDING PROCESS                 | 5701-D51     |     | 113     |          |          |          | GH20-0933    | SYSTEM/3                 | 1 I C       |
| >PROCESSING    | CHAMPION DISTRIBUTED PROC SYSTEM         | 5796-NRD     |     | P 195   |          |          |          | 12 GB30-1207 | SERIES/1                 | 1 S H       |
| >PROCESSOR     | S/1 COMMUNICATING JOB STREAM             | 5798-RFC     |     | 650     |          |          |          | 01 GB30-1628 | SERIES/1                 | 1 S H       |
| >PROCESSOR     | S/1 SPEC TERM INTERFACE PROCESSO         | 5798-RBQ     |     | 120     |          |          |          | 24           | SERIES/1                 | 1 S H       |
| >PROCESSOR     | S/38 FRONT END PROCESSOR                 | 5798-RHE     |     | 350     |          |          |          | 12 GB30-1712 | SYSTEM/38                | 1 S H       |
| >PROCESSOR/32  | WORD PROCESSOR/32                        | 5725-XX1     |     | 274     |          |          |          | GH30-0103    | SYSTEM/32                | 1 S A       |
| >PROCESSORS    | FILE CONVERSION FOR WORD PROCESSORS      | 5798-DFY     |     | 835     |          |          |          | 01 GB21-2821 | OS/V5,DOS/VSE            | 0 S H       |
| >PROD          | INV MGMT PROD REP &ORD VAL EVAL IMPROVE  | 5714-D46     |     | 226     | 169      |          |          | GH30-0080    | SYSTEM/38                | 1 I D       |
| >PROD AID      | S/3 CCP TO S/38 CONVERSION               | 5714-CV7     |     | 2810    |          |          |          | 01 GC21-7772 | SYSTEM/38                | 0 S D       |
| >PROD AID      | S/38-S/3 BATCH CONVERSION UTILITIES      | 5714-CV1     |     | 872     |          |          |          | 01 GC21-7758 | SYSTEM/38                | 0 S D       |
| >PROD AID      | SYSTEM/34 TO SYSTEM/38 CONVERSION        | 5714-CV5     |     | 1495    |          |          |          | 01 GH30-0460 | SYSTEM/38                | 0 S D       |
| >PROD AID      | 5110/5120 BASIC TO SYS/23 CONVERSION AID | 5715-CV1     |     | 875     |          |          |          | 01 GC34-1693 | SYS/23 DATAMASTER        | 1 I E       |
| >PROD DATA CTL | IPICS ENG/PROD DATA CTL VER II           | 5798-NIH     |     | 172     |          |          |          | 24 GB30-1024 | SYSTEM/3                 | 1 I H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >PRODUCT         | BTAM/SYSTEM PRODUCT                      | 5665-279     |     | 4920    | 3690     | 10       | 16       | 01 | GC27-0599    | MVS,MVS/XA               | 2 S K       |
| PRODUCT          | COPICS PRODUCT COST CALCULATIONS II      | 5785-GBD     |     | 115     |          |          |          |    | GB21-2642    | DOS/VSE OS/V5 DL/I       | 1 S E       |
| >PRODUCT         | DATA FACILITY PRODUCT                    | 5665-284     | P   | 450     | 337      | 60       | 96       |    | GC26-6007    | MVS/XA                   | 2 S K       |
| >PRODUCT         | PRODUCT DATA MANAGEMENT MFG PDM          | 5714-M46     |     | 136     | 102      |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D       |
| >PRODUCT         | PRODUCT DEFINITION & COSTING MFG         | 5726-M36     |     | 59      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C       |
| >PRODUCT         | PRODUCT DATA MANAGEMENT MFG              | 5726-M46     |     | 154     | 116      |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| PRODUCT          | VM SYSTEM PRODUCT - SP & XEDIT           | 5664-167     |     | 330     | 247      | 50       | 80       |    | GC20-1838    | VM/CMS REL 6             | 2 S K       |
| PRODUCT          | 3800 UNIVERSAL PRODUCT CODE PRINTING     | 5798-CTA     |     | 235     |          |          |          | 12 | GB21-2219    | OS/V5                    | 1 S H       |
| >PRODUCT COSTING | IPICS PRODUCT COSTING VERS II            | 5798-NLJ     |     | 69      |          |          |          | 24 | GB30-1026    | SYSTEM/3                 | 1 I H       |
| >PRODUCT COSTING | PIPCS -- PRODUCT COSTING                 | 5798-NJX     |     | 69      |          |          |          | 24 | GB30-0932    | SYSTEM/3                 | 1 I H       |
| >PRODUCTION      | PRODUCTION CONTROL AND COSTING PCC MFG   | 5714-M41     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D       |
| >PRODUCTION      | PRODUCTION STATUS & COSTING MFG          | 5725-M31     |     | 63      |          |          |          |    | GH30-0037    | SYSTEM/32                | 1 I C       |
| >PRODUCTION      | PRODUCTION DEFINITION & COSTING MFG      | 5725-M36     |     | 59      |          |          |          |    | GH30-0033    | SYSTEM/32                | 1 I C       |
| >PRODUCTION      | PRODUCTION STATUS AND COSTING MFG        | 5726-M31     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C       |
| >PRODUCTION      | PRODUCTION CONTROL AND COSTING MFG PC&C  | 5726-M61     |     | 169     | 127      |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| PRODUCTION       | TAPE AUTOMATION - PRODUCTION ENVIRONMENT | 5798-DGB     |     | 200     |          |          |          | 12 | GB21-2828    | DOS/VSE                  | 1 S H       |
| >PRODUCTION CONT | IPICS--PRODUCTION CONTROL                | 5798-NCZ     |     | 402     |          |          |          | 12 | GB30-0694    | SYSTEM/3                 | 1 I H       |
| >PRODUCTION CONT | S/34 MFG ORDER TRACKING SUBSYS           | 5798-RCT     |     | 104     |          |          |          | 06 | GB30-1536    | SYSTEM/34                | 1 S H       |
| >PRODUCTIVITY    | APPLICATION FLOWCHARTER                  | 5798-NDT     |     | 385     |          |          |          | 01 | GB30-0743    | SYSTEM/3                 | 0 S H       |
| >PRODUCTIVITY    | APPLICATION FLOWCHARTER                  | 5798-NLW     |     | 345     |          |          |          | 01 | GB30-1043    | SYSTEM/32                | 0 S H       |
| >PRODUCTIVITY    | CADAM (R) INSTALLATION PRODUCTIVITY AID  | 5798-DEX     |     | 1150    |          |          |          | 01 | GB21-2753    | OS/V5,VM/CMS             | 1 S H       |
| >PRODUCTIVITY    | COBOL SOURCE ANALYZER                    | 5798-ALX     |     | 18      |          |          |          | 12 | GB21-0737    | SYSTEM/3                 | 1 I H       |
| >PRODUCTIVITY    | DATA BASE TECHNIQUES                     | 5798-NKG     |     | 115     |          |          |          | 06 | GB30-0959    | SYSTEM/3                 | 1 S H       |
| >PRODUCTIVITY    | DATA BASE TECHNIQUES                     | 5798-NLA     |     | 104     |          |          |          | 06 | GB30-0995    | SYSTEM/32                | 1 S H       |
| >PRODUCTIVITY    | DEBUGGING AID                            | 5796-NPP     | P   | 189     |          |          |          | 01 | GB30-1098    | SERIES/1                 | 0 S H       |
| >PRODUCTIVITY    | DISK FILE PROGRAM GENERATOR - 10         | 5798-BBH     |     | 69      |          |          |          | 12 | GB21-1261    | SYSTEM/3                 | 1 I H       |
| >PRODUCTIVITY    | DISK RPG II CROSS REF/DOCU AID           | 5798-AVL     |     | 161     |          |          |          | 01 | GB21-1107    | SYSTEM/3                 | 0 I H       |
| >PRODUCTIVITY    | DITTO FOR SYSTEM/3 DISK                  | 5798-NAJ     |     | 75      |          |          |          | 12 | GB30-0809    | SYSTEM/3                 | 1 I H       |
| >PRODUCTIVITY    | DITTO FOR S3-8,10 W/DIR ATT 3741         | 5798-NCJ     |     | 81      |          |          |          | 12 | GB30-0809    | SYSTEM/3                 | 1 I H       |
| >PRODUCTIVITY    | DOC AID FOR RPG II PROGS/PACKS           | 5798-BCH     |     | 58      |          |          |          | 06 | GB21-1312    | SYSTEM/3                 | 0 I H       |
| PRODUCTIVITY     | DPPX INTERACTIVE PRODUCTIVITY FACILITY   | 5660-271     |     | 32      | 24       | 9        | 14       |    | GC27-0400    | DPPX/BASE WITH 6006      | 1 S K       |
| >PRODUCTIVITY    | EXTENDED TIMER SUPPORT                   | 5798-NER     |     | 46      |          |          |          | 06 | GB30-0787    | SYSTEM/3                 | 0 S H       |
| >PRODUCTIVITY    | EXTENDED QUERY UTILITY - EQU5/32         | 5798-NKW     |     | 86      |          |          |          | 12 | GB30-0983    | SYSTEM/32                | 1 S H       |
| >PRODUCTIVITY    | EXTENDED QUERY UTILITY-EQU5/3            | 5798-NKX     |     | 86      |          |          |          | 12 | GB30-0981    | SYSTEM/3                 | 1 S H       |
| PRODUCTIVITY     | INTERACTIVE PRODUCTIVITY FACILITY        | 5748-MS1     |     | 41      | 30       | 5        | 8        |    | GH20-2492    | DOS/VSE,VM/SP,SIPO/E     | 1 S K       |
| >PRODUCTIVITY    | JOB ACCOUNTING FOR MODEL 15              | 5798-NJQ     |     | 69      |          |          |          | 06 | GB30-0920    | SYSTEM/3                 | 1 S H       |
| >PRODUCTIVITY    | MODEL 15D TERMINAL PRINTING SYS          | 5798-NTZ     |     | 230     |          |          |          | 06 | GB30-1002    | SYSTEM/3                 | 1 S H       |
| >PRODUCTIVITY    | MULT INDEX SUPPORT - DISK FILES          | 5798-NQL     |     | 69      |          |          |          | 06 | GB30-1168    | SYSTEM/34                | 1 S H       |
| >PRODUCTIVITY    | MULTIPLE INDEX SUPPORT FOR DISK          | 5798-NKJ     |     | 69      |          |          |          | 06 | GB30-0964    | SYSTEM/3                 | 1 S H       |
| >PRODUCTIVITY    | OCL DOCUMENTATION & MODIF AID            | 5798-NJP     |     | 345     |          |          |          | 01 | GB30-0918    | SYSTEM/3                 | 0 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MD   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| >PRODUCTIVITY    | ONLINE SCREEN DESIGN FACILITY            | 5798-NJK     |     | 402     |          |          |          | 01 GB30-0765 | SYSTEM/3                 | 0 S H       |
| >PRODUCTIVITY    | ONLINE DATA FILE DISPLAY PROGRAM         | 5798-NRG     |     | 287     |          |          |          | 01 GB30-0701 | SYSTEM/3                 | 0 S H       |
| >PRODUCTIVITY    | ONLINE FILE MAINT PROGRAM WRITER         | 5798-NWD     |     | 75      |          |          |          | 06 GB30-1287 | SYSTEM/34                | 1 S H       |
| >PRODUCTIVITY    | PROCD DOCUMEN/MODIFICATION AID           | 5798-NQH     |     | 575     |          |          |          | 01 GB30-1163 | SYSTEM/32                | 0 S H       |
| >PRODUCTIVITY    | PROGRAM DOCUMENTATION AID                | 5796-NXP     |     | 345     |          |          |          | 01 GB30-1333 | 5120 SYSTEM              | 0 S H       |
| >PRODUCTIVITY    | QUERY FACILITY                           | 5798-ANB     |     | 55      |          |          |          | 12 GB21-0770 | SYSTEM/3                 | 1 I H       |
| >PRODUCTIVITY    | RACF PRODUCTIVITY AID                    | 5798-CVF     |     | 208     |          |          |          | 12 GB21-2370 | MVS RACF                 | 1 S H       |
| >PRODUCTIVITY    | S/1 WATERLOO VIRTUAL BASIC               | 5796-RAL     | P   | 98      |          |          |          | 36 GB30-1466 | SERIES/1                 | 1 S H       |
| >PRODUCTIVITY    | S/23 COMPUTERIZED FILLING SYSTEM         | 5798-RHD     |     | 1440    |          |          |          | 01 GB30-1695 | SYS/23 DATAMASTER        | 1 I H       |
| >PRODUCTIVITY    | S/3 DITTO FOR MODEL 15 MODEL D           | 5798-NKL     |     | 120     |          |          |          | 12 GB30-0809 | SYSTEM/3                 | 1 S H       |
| >PRODUCTIVITY    | S/3 TO S/32 CONVERSION AID               | 5798-NKT     |     | 345     |          |          |          | 01 GB30-0977 | SYSTEM/32                | 0 S H       |
| >PRODUCTIVITY    | S/3 TO S/38 COBOL CONVERSION             | 5798-NXW     |     | 575     |          |          |          | 01 GB30-1362 | SYSTEM/3                 | 0 S H       |
| >PRODUCTIVITY    | S/3 TO S/38 BATCH CONVERSION AID         | 5798-RBC     |     | 690     |          |          |          | 01 GB30-1504 | SYSTEM/38                | 0 S H       |
| >PRODUCTIVITY    | S/32 TO S/34 CONVERSION AID              | 5798-NPC     |     | 230     |          |          |          | 01 GB30-1092 | SYSTEM/34                | 0 S H       |
| >PRODUCTIVITY    | S/34 COMPUTER ASSISTED TRAINING          | 5798-NPE     |     | 115     |          |          |          | 06 GB30-1104 | SYSTEM/34                | 1 S H       |
| >PRODUCTIVITY    | S/34 COBOL CONVERS AID-FROM NCR          | 5798-NYR     |     | 900     |          |          |          | 01 GB30-1433 | SYSTEM/34                | 0 S H       |
| >PRODUCTIVITY    | S/34 COMPUTER ASSISTED TRNG II           | 5798-NZA     |     | 130     |          |          |          | 06 GB30-1481 | SYSTEM/34                | 1 S H       |
| >PRODUCTIVITY    | SCREEN DESIGN AID                        | 5798-NRH     |     | 258     |          |          |          | 01 GB30-0699 | 5120 SYSTEM              | 0 S H       |
| >PRODUCTIVITY    | STATESMAN--ALPHA SEARCH                  | 5796-NBZ     |     | 86      |          |          |          | 24 GB30-0638 | SYSTEM/3                 | 1 S H       |
| >PRODUCTIVITY    | SYS/3 TO SYS/34 CONVERSION AID           | 5798-NTE     |     | 431     |          |          |          | 01 GB30-1231 | SYSTEM/34                | 0 S H       |
| >PRODUCTIVITY    | SYSTEM PRODUCTIVITY FACILITY             | 5668-009     |     | 226     | 169      | 36       | 58       | GC34-2039    | MVS/TSO,VM/SP            | 1 S K       |
| >PRODUCTIVITY    | TERMINAL SEARCH FACILITY                 | 5798-NFD     |     | 81      |          |          |          | 06 GB30-0797 | SYSTEM/3                 | 1 S H       |
| >PRODUCTIVITY    | TPNS SCRIPT GENERATOR PRODUCTIVITY AID   | 5798-CPZ     |     | 180     |          |          |          | 12 GB21-2106 | 5740-XT4                 | 1 I H       |
| >PRODUCTIVITY    | VIRTUAL COBOL SUBSYSTEM COMPILER         | 5796-NPW     |     | 356     |          |          |          | 12 GB30-1100 | SERIES/1                 | 1 S H       |
| >PRODUCTIVITY    | VIRTUAL COBOL SUBSYSTEM RTM              | 5798-NTF     |     | 46      |          |          |          | 12 GB30-1100 | SERIES/1                 | 1 S H       |
| >PRODUCTIVITY    | 5280 FORMAT DESIGN AID                   | 5798-RCR     |     | 600     |          |          |          | 01 GB30-1548 | 5280 DATA SYSTEM         | 1 S H       |
| >PRODUCTIVITY AI | COBOL SOURCE ANALYZER                    | 5798-ALX     |     | 18      |          |          |          | 12 GB21-0737 | SYSTEM/3                 | 1 I H       |
| >PRODUCTIVITY AI | O/L SOURCE LIBRARY MAINT SYSTEM          | 5798-NKY     |     | 143     |          |          |          | 06 GB30-0979 | SYSTEM/3                 | 1 S H       |
| >PRODUCTIVITY AI | PROGRAM DOCUMENTATION AID                | 5796-NXP     |     | 345     |          |          |          | 01 GB30-1333 | 5120 SYSTEM              | 0 S H       |
| >PRODUCTIVITY AI | S/34 RPG II COMPIL & SPOOL FILE          | 5796-RFP     |     | 375     |          |          |          | 01 GB30-1647 | SYSTEM/34                | 1 S H       |
| >PRODUCTS        | INTERFACING APL BASED PRODUCTS COURSE    | 5798-DHN     |     | 1190    |          |          |          | 01 GB21-2914 | IIS, IIPS                | 1 L H       |
| >PROFESSIOAL     | PROFESSIONAL OFFICE SYSTEM - PROFS       | 5799-BEX     |     | 402     |          |          |          | GH24-2493    | VM/CMS                   | 1 S E       |
| >PROFILES        | IMS TRANSACTION PROFILES PROGRAM         | 5796-PGG     |     | 250     |          |          |          | 12 G320-5667 | IMS/360,IMS/V5           | 1 I H       |
| >PROFIT OPPORTUN | S/34 STRATEGIC PROFIT MODEL              | 5798-NZR     |     | 287     |          |          |          | 01 GB30-1424 | SYSTEM/34                | 1 S H       |
| >PROFITABILITY   | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NED     |     | 373     |          |          |          | 12 GB30-0763 | SYSTEM/3                 | 1 I H       |
| >PROFS           | PROFESSIONAL OFFICE SYSTEM - PROFS       | 5799-BEX     |     | 402     |          |          |          | GH24-2493    | VM/CMS                   | 1 S E       |
| >PROG            | ADMINISTRAT PROCESSING PROG LIC M/R CODE | 5611-SS1     |     | 389     |          |          |          | GC23-0734    | 5520 ADMIN. SYSTEM       | 1 S A       |
| >PROG            | DL/I - CICS/V5 TEST PROG. STATE INDUST.  | 5796-ARN     |     | 85      |          |          |          | 12 G320-6053 | DOS/V5                   | 1 S H       |
| >PROG            | PROG COMM SUBSYSTEM PREPARATION FACILITY | 5719-CS0     | R   | 10      |          |          |          | GC34-0183    | SERIES/1                 | 1 S C       |
| >PROG            | PROG COMM SUBSYSTEM EXECUTION SUPPORT    | 5719-CS1     | R   | 8       |          |          |          | GC34-0186    | SERIES/1                 | 1 S C       |

KEYWORDS - ALPHABETIC SEQUENCE

1-128

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >PROG            | PROG COMM SUBSYS EXTEND EXECU SUPPORT   | 5719-CS2     | R   | 25      |          |          |          |    | GC34-0186    | SERIES/1                 | 1 S C       |
| >PROG            | REALTIME PROG SYS MULT TERM MGR VER 3   | 5719-MT1     | R   | 30      |          |          |          |    | GC34-0456    | SERIES/1                 | 1 S E       |
| >PROG EXECUTIVE  | PXS EXECUTION SUPPORT                   | 5796-NTQ     | P   | 52      |          |          |          | 12 | GB30-1255    | SERIES/1                 | 1 S H       |
| >PROG EXECUTIVE  | PXS PREPARATION SUPPORT                 | 5796-NTP     | P   | 52      |          |          |          |    | 12 GB30-1255 | SERIES/1                 | 1 S H       |
| >PROGRAM DOC AID | PROGRAM DOCUMENTATION AID               | 5796-NXP     |     | 345     |          |          |          |    | 01 GB30-1333 | 5120 SYSTEM              | 0 S H       |
| >PROGRAM GENERAT | ONLINE FILE MAINT PROGRAM WRITER        | 5798-NND     |     | 75      |          |          |          | 06 | GB30-1287    | SYSTEM/34                | 1 S H       |
| >PROGRAM GENERAT | S/34 MICR PROGRAM GENERATOR             | 5798-RBE     |     | 63      |          |          |          | 12 | GB30-1476    | SYSTEM/34                | 1 S H       |
| >PROGRAM LISTING | PROGRAM DOCUMENTATION AID               | 5796-NXP     |     | 345     |          |          |          | 01 | GB30-1333    | 5120 SYSTEM              | 0 S H       |
| >PROGRAM LISTING | S/34 COBOL CONVERS AID-FROM NCR         | 5798-NYR     |     | 900     |          |          |          | 01 | GB30-1433    | SYSTEM/34                | 0 S H       |
| >PROGRAM LISTING | 5110/5120 BRADS II SCREEN DESIGN        | 5798-NZQ     |     | 345     |          |          |          | 01 | GB30-1464    | 5120 SYSTEM              | 1 S H       |
| >PROGRAM PREP    | EDX PROGRAM PREP FACILITY               | 5798-NRP     | P   | 14      |          |          |          |    | GB30-1212    | SERIES/1                 | 1 S H       |
| >PROGRAM PREP    | S/370 PROGRAM PREP FOR SERIES/1         | 5798-NNQ     | P   | 598     |          |          |          | 12 | GB30-1071    | SERIES/1                 | 1 S H       |
| >PROGRAM PREP    | VIRT MACH FACIL/370 FOR S/1             | 5798-RDR     |     | 720     |          |          |          | 12 | GB30-1590    | SERIES/1                 | 1 S H       |
| >PROGRAM WRITER  | ONLINE FILE MAINT PROGRAM WRITER        | 5798-NND     |     | 75      |          |          |          | 06 | GB30-1287    | SYSTEM/34                | 1 S H       |
| >PROGRAMMED      | DPX PROGRAMMED OPERATOR FACILITY        | 5660-273     |     | 580     | 435      | 5        | 8        | 01 |              | DPX/BASE                 | 1 S K       |
| PROGRAMMED       | PROGRAMMED CRYPTOGRAPHIC FACILITY       | 5740-XY5     |     | 347     | 260      | 25       | 40       |    | GC28-0942    | MVS                      | 1 S K       |
| >PROGRAMMER'S AI | 5280 PROGRAMMER'S PROD AID & T/E        | 5798-RHC     |     | 550     |          |          |          | 01 | GB30-1702    | 5280 DATA SYSTEM         | 1 S H       |
| >PROGRAMMING     | S/1 HOST PL/1 - EDX                     | 5798-NZK     |     | 960     |          |          |          | 24 | GB30-1486    | SERIES/1                 | 1 S H       |
| PROGRAMS         | DOS TYPE-I PROGRAMS RUNNING WITH DOS/V5 | 5731-AA1     |     |         |          |          |          |    |              |                          | 0 S S       |
| PROGRAMS         | VM/CMS CONTROL & ACCOUNTING PROGRAMS    | 5798-AYP     |     | 67      |          |          |          | 12 | GB21-1110    | VM/CMS                   | 1 S H       |
| PROGRAMS         | 1400 EMULATOR PROGRAMS                  | 5747-CC3     |     |         |          |          |          |    | GC33-5384    | DOS/V5                   | 0 S C       |
| PROJACS          | COST EVALUATION PROCESSOR FEATURE       | 5740-XP1/03  |     | 72      |          |          |          |    | GH19-1055    | 6006-6008                | 1 I B       |
| PROJACS          | COST EVALUATION PROCESSOR FEATURE       | 5746-XP1/03  |     | 72      |          |          |          |    | GH19-1055    | 6009-6013,6045           | 1 I B       |
| PROJACS          | INTERACTIVE PROJACS                     | 5785-DAC     |     | 600     |          |          |          | 12 | GB21-2447    | DOS/V5                   | 1 S H       |
| PROJACS          | NETWORK PREPARATION PROCESSOR FEATURE   | 5740-XP1/04  |     | 72      |          |          |          |    | GH19-1055    | 6009-6011                | 1 I B       |
| PROJACS          | NETWORK PREPARATION PROCESSOR FEATURE   | 5746-XP1/04  |     | 72      |          |          |          |    | GH19-1055    | 6014-6018,6046           | 1 I B       |
| PROJACS          | PROJECT ANALYSIS AND CONTROL SYSTEM     | 5740-XP1/01  |     | 292     |          |          |          |    | GH19-1055    | OS/V5                    | 1 I B       |
| PROJACS          | PROJECT ANALYSIS & CONTROL SYSTEM       | 5746-XP1/01  |     | 292     |          |          |          |    | GH19-1055    | DOS/V5                   | 1 I B       |
| PROJACS          | RESOURCE ALLOCATION PROCESSOR FEATURE   | 5740-XP1/02  |     | 144     |          |          |          |    | GH19-1055    | 6003-6005                | 1 I B       |
| PROJACS          | RESOURCE ALLOCATION PROCESSOR FEATURE   | 5746-XP1/02  |     | 144     |          |          |          |    | GH19-1055    | 6004-6008,6044           | 1 I B       |
| PROJECT          | AUTOMATED PROJECT PLANNING & EVALUATION | 5796-AZR     |     | 80      |          |          |          | 12 | G320-6399    | MVS,DOS/V5,VM/CMS        | 1 S H       |
| >PROJECT         | CONVERSATIONAL PROJECT EVAL & CONTROL   | 5740-XC3/01  |     | 710     |          |          |          |    | GH19-1150    | OS/V5,VM/CMS             | 2 S B       |
| >PROJECT         | CONVERSATIONAL PROJECT EVAL & CONTROL   | 5746-XC3/01  |     | 604     |          |          |          |    | GH19-1150    | DOS/V5E                  | 2 S B       |
| PROJECT          | PROJECT MANAGEMENT SYSTEM IV            | 5734-XP4/01  |     | 71      |          |          |          |    | GH20-0855    | OS/V5                    | 1 I B       |
| PROJECT          | PROJECT ANALYSIS AND CONTROL SYSTEM     | 5740-XP1/01  |     | 292     |          |          |          |    | GH19-1055    | OS/V5                    | 1 I B       |
| PROJECT          | PROJECT ANALYSIS & CONTROL SYSTEM       | 5746-XP1/01  |     | 292     |          |          |          |    | GH19-1055    | DOS/V5                   | 1 I B       |
| PROJECT          | PROJECT EVALUATION AND CONTROL SYSTEM   | 5785-EAE     |     | 325     |          |          |          | 24 | G320-6088    | VS-APL (5748-AP1)        | 1 S H       |
| >PROJECT CONTROL | PROJECT CONTROL SYSTEM                  | 5798-NKK     |     | 345     |          |          |          | 12 | GB30-0966    | 5120 SYSTEM              | 1 S H       |
| PROMPTER         | T50 ASSEMBLER PROMPTER                  | 5734-CP2     |     | 29      |          |          |          |    | GC33-4038    | T50                      | 1 S C       |
| PROMPTER         | T50 COBOL PROMPTER                      | 5734-CP1     |     | 38      | 28       | 5        | 8        |    | GC28-6454    | T50                      | 1 S K       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE #     | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|------------------------------|-------------|
| PROMPTER         | TSO FORTRAN PROMPTER                     | 5734-CP3     |     | 32      |          |          |          |              | GC28-6884 5734-F02           | 1 S C       |
| PROMPTING        | CICS/VS ONLINE PROMPTING FACILITY        | 5796-ANQ     |     | 170     |          |          |          | 12 G320-6158 | CICS/VS                      | 1 S H       |
| PROOF            | PROOF OF DEPOSIT / TRANSIT               | 5796-AGA     |     | 1170    |          |          |          | 12 G320-8118 | CICS/DOS/VS                  | 1 S H       |
| PROOF            | PROOF OF DEPOSIT & TRANSIT ENHANCEMENTS  | 5796-AKT     |     | 300     |          |          |          | 12 G320-5687 | DOS/VS,CICS/VS               | 1 S H       |
| PROOF            | PROOF OF DEPOSIT & TRANSIT 3890 FEATURE  | 5796-AKW     |     | 720     |          |          |          | 12 G320-5687 | DOS/VS,CICS/VS               | 1 S H       |
| PROOF            | 1419 PROOF OF DEPOSIT MICR CAPTURE       | 5798-DDC     |     | 300     |          |          |          | 12 GB21-2668 | DOS/VSE                      | 1 S H       |
| >PROOF OF DEPOSI | PROOF OF DEPOSIT TRANSIT W/SUBRB         | 5798-NKC     |     | 138     |          |          |          | 12 GB30-0949 | SYSTEM/3                     | 1 S H       |
| >PROOF OF DEPOSI | PROOF OF DEPOSIT TRANSIT SYS             | 5798-NKQ     |     | 138     |          |          |          | 12 GB30-0986 | SYSTEM/32                    | 1 S H       |
| >PROOF OF DEPOSI | PROOF OF DEPOSIT TRANSIT SYSTEM          | 5798-NMW     |     | 172     |          |          |          | 12 GB30-1141 | SYSTEM/34                    | 1 S H       |
| >PROSPECTS       | S/1 CLIENT/PROSPECT FILE INSUR           | 5798-RGE     |     | 1100    |          |          |          | 01 GB30-1745 | SERIES/1                     | 1 S H       |
| PRPQ             | JES3 NETWORKING PRPQ                     | 5799-AZT     |     | 1535    | 1150     | 260      | 416      |              | GH20-2204 NJI ENVIRONMENT    | 2 S K       |
| PS               | 3640 PS INTERACTIVE TRANSACTION GENERATR | 5660-267/02  |     | 253     | 189      | 44       | 70       |              | GC31-0010 6002               | 1 S K       |
| >PSRO            | DRUID CITY--PSRO HOSP UTILIZATN          | 5796-NBE     |     | 172     |          |          |          | 12 GB30-0592 | SYSTEM/3                     | 1 I H       |
| PSS              | STORE SYSTEM INSTALLATION AIDS           | 5770-SA1     |     |         |          |          |          |              | DOS/VS,DOS/VSE               | 0 S B       |
| PSS              | STORE SYSTEM INSTALLATION AIDS           | 5770-SA2     |     |         |          |          |          |              | OS/VS                        | 0 S B       |
| PSS              | 3650 PSS SPPS II                         | 5744-DA1     |     |         |          |          |          | GC30-9535    | OS/VS                        | 0 S J       |
| PSS              | 3650 POINT OF SALE RETAIL ENVIRONMENT    | 5748-D14     |     | 84      |          |          |          | 48 GC30-3056 | DOS/VS,OS/VS                 | 1 S A       |
| PSS              | 3650 POINT OF SALE REPORT CUSTOMIZER     | 5748-D15     |     | 9       |          |          |          | 48 GC30-3054 | 3650                         | 1 S A       |
| PSS              | 3650 SUPERMARKET ENVIRONMENT             | 5748-D21     |     | 55      |          |          |          | 48 GC30-3055 | 3650                         | 1 S A       |
| PSS              | 3650 STORE DATA MANAGEMENT               | 5748-D22     |     | 21      |          |          |          | 48 GH20-2150 | DOS/VS,OS/VS1,MVS            | 1 S A       |
| PSS              | 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | 5744-D16     |     |         |          |          |          | GC30-3060    | OS/VS                        | 0 S J       |
| PSS              | 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | 5747-D16     |     |         |          |          |          | GC30-9536    | DOS/VSE                      | 0 S N       |
| PS3640           | 3640 PRESENTATION SERVICES EXECUTION MGR | 5660-267/01  |     | 61      | 45       | 16       | 26       |              | GC31-0010 DPPX/BASE          | 1 S K       |
| PS3640           | 3640 PS INTERACTIVE TRANSACTION GENERATR | 5660-267/02  |     | 253     | 189      | 44       | 70       |              | GC31-0010 6002               | 1 S K       |
| PT/DPPX          | DPPX PERFORMANCE TOOL MONITOR            | 5760-XR5/01  |     | 48      |          |          |          |              | GH20-2155 DPPX               | 1 S B       |
| PT/DPPX          | DPPX PERFORMANCE TOOL REPORTER FEATURE   | 5760-XR5/02  |     | 55      |          |          |          |              | GH20-2155 6002               | 1 S B       |
| >PTA/34          | PERSONAL TEACHING AID                    | 5726-PT1     |     | 600     |          |          |          | 01           | SYSTEM/34                    | 1 S H       |
| >PUBLIC          | PUBLIC BUDGETING & ACCOUNTING APPL GOVT  | 5726-G21     |     | 323     | 242      |          |          |              | GH30-0229 SYSTEM/34          | 1 I D       |
| >PUBLIC BUDGETIN | ENHANCEMENTS TO PUB BUDG/FIN REP         | 5798-NKF     |     | 81      |          |          |          |              | 12 GB30-0956 SYSTEM/3        | 1 S H       |
| >PUBLIC BUDGETIN | PUBLIC BUDGETING & FINANCIAL REP         | 5798-NFC     |     | 379     |          |          |          |              | 12 GB30-0956 SYSTEM/3        | 1 S H       |
| >PUBLIC UTILITY  | PUBLIC UTILITY CUST SERVICE SYS          | 5798-NQG     |     | 287     |          |          |          |              | 12 GB30-1159 SYSTEM/34       | 1 S H       |
| >PUBLIC WAREHOUS | PUBLIC WHSE INVTY CONTROL                | 5796-NTN     |     | 276     |          |          |          |              | 12 GB30-1250 SYSTEM/32       | 1 S H       |
| >PUBLISHERS      | S/1 TEXT ENTRY & EDIT FACILITY           | 5798-RAR     | P   | 276     |          |          |          |              | 12 GB30-1470 SERIES/1        | 1 S H       |
| >PUBLISHERS      | S/32 ADVERT A/R & CIRCULATION            | 5796-NWG     |     | 603     |          |          |          |              | 12 GB30-1297 SYSTEM/32       | 1 S H       |
| >PUBLISHERS      | S/34 ADVERT A/R & CIRCULATION            | 5796-NXN     |     | 603     |          |          |          |              | 12 GB30-1297 SYSTEM/34       | 1 S H       |
| PURCHASE         | LEASE VS PURCHASE ANALYSIS               | 5798-AJK     |     | 34      |          |          |          |              | 12 GB21-0541 DOS/OS          | 1 I H       |
| PURCHASE         | PURCHASE VS LEASE UNDER PLANCODE         | 5798-CRN     |     | 115     |          |          |          |              | 12 GB21-2197 OS/VS,DOS/VS    | 1 S H       |
| PURCHASING       | COPICS PURCHASING                        | 5785-GAX     |     | 250     |          |          |          |              | GB21-2772 DOS/VSE,OS/VS DL/I | 1 S E       |
| >PURCHASING      | INTERACTIVE PURCHASING SYSTEM            | 5796-NJH     |     | 230     |          |          |          |              | 12 GB30-0911 SYSTEM/3        | 1 I H       |
| >PURCHASING      | INTERACTIVE PURCHASING SYSTEM            | 5798-NTK     |     | 267     |          |          |          |              | 12 GB30-1238 SYSTEM/34       | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #      | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| >PURCHASING      | PURCHASING DISTRIBUTION                  | 5714-D45     |     | 218     | 164      |          |          |            | GH30-0648 SYSTEM/38           | 1 I D       |
| >PURCHASING      | PURCHASING DISTRIBUTORS                  | 5726-D46     |     | 197     | 148      |          |          |            | GH30-0185 SYSTEM/34           | 1 I D       |
| >PURCHASING MGMT | INVEN/34 INVENTORY/PURCH MGMT SYS        | 5798-NWX     |     | 488     |          |          | 12       |            | GB30-1102 SYSTEM/34           | 1 S H       |
| >PURCHASING MGMT | INVEN/3 - COMPUTER ASSISTED INV          | 5798-NCX     |     | 345     |          |          | 12       |            | GB30-0688 SYSTEM/3            | 1 I H       |
| PURPOSE          | GENERAL PURPOSE SIMULATION SYSTEM V OS   | 5734-XS2     |     | 63      |          |          |          |            | GH20-0825 OS/VS/VS            | 1 I C       |
| PURPOSE          | GENERAL PURPOSE SIMULATION SYSTEM V DOS  | 5736-XS3     |     | 63      |          |          |          |            | GH20-0826 DOS, DOS/VS         | 1 I C       |
| PURPOSE          | GENERAL PURPOSE UTILITIES                | 5796-AGE     |     | 440     |          |          | 01       |            | G320-8111 DOS/VS              | 1 I H       |
| PURPOSE          | GENERAL PURPOSE TAPE AND DISK SCANS      | 5796-AGY     |     | 300     |          |          | 01       |            | G320-8166 DOS/VS              | 1 S H       |
| PURPOSE          | GENERAL PURPOSE SIMULATION SYSTEM VSAPL  | 5796-PJG     |     | 90      |          |          | 24       |            | G320-5745 5748-AP1            | 1 I H       |
| PURPOSE          | PL/I GENERAL PURPOSE SIMULATION SYSTEM   | 5796-PNN     |     | 149     |          |          | 24       |            | G320-6398 VM/CMS,MVS          | 1 S H       |
| PVM              | VM PASS THROUGH FACILITY                 | 5748-RC1     |     | 139     | 104      | 65       | 104      |            | GC24-5206 VM/SP,VM/BSEP,VM/SE | 1 S K       |
| >PVM/3101        | VM PASS THROUGH SUPPORT FOR 3101         | 5796-PPF     |     | 170     |          |          |          | 01         | G320-6637 VM/SP,VM/BSEP,VM/SE | 1 S E       |
| PVS              | PROGRAM VALIDATION SERVICES WITH CICS/VS | 5798-CNG     |     | 90      |          |          |          | 12         | GB21-2017 DOS/VS              | 1 S H       |
| PVS              | 3790 / 3770 PVS DATA-SET TEST SUPPORT    | 5798-CPG     |     | 80      |          |          |          | 12         | GB21-2073 OS/VS, DOS/VS       | 1 I H       |
| >PXS             | PXS EXECUTION SUPPORT                    | 5796-NTQ     | P   | 52      |          |          |          | 12         | GB30-1255 SERIES/1            | 1 S H       |
| >PXS             | PXS PREPARATION SUPPORT                  | 5796-NTP     | P   | 52      |          |          |          | 12         | GB30-1255 SERIES/1            | 1 S H       |
| >PXS - VERSION 3 | S/1 PXS VER 3 DEVELOP SUPP               | 5796-REE     |     | 85      |          |          |          | 12         | GB30-1600 SERIES/1            | 1 S H       |
| >PXS - VERSION 3 | S/1 PXS VER 3 OPNS/APPL SUPP             | 5796-REF     |     | 85      |          |          |          | 12         | GB30-1600 SERIES/1            | 1 S H       |
| >PXS EXECUTION   | PXS EXECUTION SUPPORT                    | 5796-NTQ     | P   | 52      |          |          |          | 12         | GB30-1255 SERIES/1            | 1 S H       |
| >PXS PREP SUPPOR | PXS PREPARATION SUPPORT                  | 5796-NTP     | P   | 52      |          |          |          | 12         | GB30-1255 SERIES/1            | 1 S H       |
| QBE              | QBE TO ADRS II BRIDGE FEATURE            | 5796-PLN/02  |     | 52      |          |          |          |            | G320-6097 6027-6028           | 1 I E       |
| QBE              | QUERY BY EXAMPLE                         | 5796-PKT     |     | 373     |          |          |          |            | G320-6062 VM/CMS              | 1 S E       |
| QUERY            | BATCH QUERY FACILITY                     | 5798-CBY     |     | 85      |          |          | 12       |            | GB21-1495 DOS/VS              | 0 I H       |
| >QUERY           | EVENT DRIVEN EXECUTIVE QUERY             | 5719-XR1     | R   | 22      |          |          |          |            | GC34-0457 SERIES/1            | 1 S E       |
| >QUERY           | EXTENDED QUERY UTILITY - EQUUS/32        | 5798-NKM     |     | 86      |          |          | 12       |            | GB30-0983 SYSTEM/32           | 1 S H       |
| >QUERY           | EXTENDED QUERY UTILITY-EQUUS/3           | 5798-NKX     |     | 86      |          |          |          | 12         | GB30-0981 SYSTEM/3            | 1 S H       |
| QUERY            | GIS/VS ADVANCED QUERY FEATURE            | 5740-XX7/02  |     | 363     | 272      | 23       | 37       |            | GH20-9035 6012-6014           | 2 S K       |
| QUERY            | INTERACTIVE QUERY & REPORT PROCESSOR     | 5796-PDG     |     | 1360    |          |          |          | 24         | G320-1544 OS/VS1, VS2         | 1 S H       |
| QUERY            | IOF INTERACTIVE QUERY FACILITY FEATURE   | 5734-XX6/03  |     | 352     |          |          |          |            | GH20-1074 6068-6070           | 2 S C       |
| QUERY            | QUERY BY EXAMPLE                         | 5796-PKT     |     | 373     |          |          |          |            | G320-6062 VM/CMS              | 1 S E       |
| QUERY            | QUERY SYSTEM TEXT ENHANCEMENT FEATURE    | 5798-CZE/02  |     | 40      |          |          |          | 12         | GB21-2431 6015                | 1 S H       |
| >QUERY           | QUERY FACILITY                           | 5798-ANB     |     | 55      |          |          |          | 12         | GB21-0770 SYSTEM/3            | 1 I H       |
| >QUERY           | REALTIME PROGRAMMING SYSTEM QUERY        | 5719-XR2     | R   | 22      |          |          |          |            | GC34-0457 SERIES/1            | 1 S E       |
| QUERY            | 3790 QUERY PROGRAM                       | 5798-CNR     |     | 80      |          |          |          | 12         | GB21-2035                     | 1 S H       |
| QUERY            | 8100/DPCX 3790 DISTRIBUTED ENTRY QUERY   | 5798-CZE/01  |     | 190     |          |          |          | 12         | GB21-2431 DOS/VSE OS/VS DOSF  | 1 S H       |
| >QUERY FACILITY  | QUERY FOR DIRECTLY ATTACH 3741           | 5798-NDJ     |     | 58      |          |          |          | 12         | GB21-0770 SYSTEM/3            | 1 I H       |
| >QUERY SYSTEM    | BUSINESS REPORT/APPL DEV SYS II          | 5798-NXT     |     | 98      |          |          |          | 12         | GB30-1341 5120 SYSTEM         | 1 S H       |
| QUEUE            | OS/VS1 PRIORITY QUEUE AGING PROCESSOR    | 5796-ARG     |     | 85      |          |          |          | 12         | G320-6050 OS/VS1              | 1 S H       |
| QUOTE            | BOND QUOTE SYSTEM                        | 5796-AXY     |     | 185     |          |          |          | 12         | G320-6172 MVS/T50             | 1 S H       |
| QUOTE            | FARE QUOTE / TICKETING                   | 5736-T11/01  |     | 5160    |          |          |          |            | GH20-0873 ACP                 | 0 I B       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| QUOTE            | FARE QUOTE / TICKETING TARIFF MAINT FEA. | 5736-T11/02  |     | 10330   |          |          |          |    | GH20-0873    | ACP                      | 0 I B       |
| RACF             | RACF CODES UPDATE SYSTEM                 | 5796-PLK     |     | 90      |          |          |          |    | 12 G320-6093 | MVS AND RACF             | 1 S H       |
| RACF             | RACF PRODUCTIVITY AID                    | 5798-CVF     |     | 208     |          |          |          |    | 12 GB21-2370 | MVS RACF                 | 1 S H       |
| RACF             | RESOURCE ACCESS CONTROL FACILITY         | 5740-XXH     |     | 728     | 546      | 32       | 51       |    | GC28-0722    | MVS                      | 2 S K       |
| RADIOLOGY        | PATIENT CARE SYSTEM - RADIOLOGY          | 5796-AHJ     |     | 460     |          |          |          |    | 12 G320-6092 | OS/VS1, OS/VS2           | 1 S H       |
| RAILCAR          | RAILCAR LOCATION & REPORTING SYSTEM      | 5796-AFR     |     | 1335    |          |          |          |    | 24 G320-8102 | OS/MVT/VS1,SVS,MVS       | 1 S H       |
| >RAMS            | RAMS II STUDENT SERVICE SYSTEM           | 5796-BCR     | P   | 410     |          |          |          |    | 24 G320-6661 | VSE,DL/I,5735-E91        | 1 S H       |
| RANDOM           | HDAM SEQUENTIAL RANDOM GENERATOR         | 5798-COG     |     | 176     |          |          |          |    | 12 GB21-2126 | OS/VS2                   | 0 I H       |
| RANDOMIZER       | HDAM RANDOMIZER GENERATOR EXTENSIONS     | 5798-CXN     |     | 95      |          |          |          |    | 12 GB21-2347 | 5798-COG OS/VS           | 1 I H       |
| RANDOMIZING      | IMS/VS HDAM RANDOMIZING ALGORITHM        | 5796-AJJ     |     | 945     |          |          |          |    | 01 G320-8157 | OS/VS,IMS/VS,IMS/360     | 1 S H       |
| RATE             | FERST/VS RATING RATE AUDIT               | 5795-AAM     |     | 2025    |          |          |          |    | GH20-4394    | CICS/OS/VS               | 1 I C       |
| RATE             | FERST/VS RATING RATE AUDIT               | 5795-AAN     |     | 2025    |          |          |          |    | GH20-4394    | CICS/DOS/VS              | 1 I C       |
| RATING           | FERST/VS RATING RATE AUDIT               | 5795-AAM     |     | 2025    |          |          |          |    | GH20-4394    | CICS/OS/VS               | 1 I C       |
| RATING           | FERST/VS RATING RATE AUDIT               | 5795-AAN     |     | 2025    |          |          |          |    | GH20-4394    | CICS/DOS/VS              | 1 I C       |
| RATING           | FREIGHT BILL AUDIT AND RATING SYSTEM     | 5796-AEJ     |     | 1215    |          |          |          |    | 24 G320-8071 | OS/MVT                   | 2 I H       |
| >RATIOS          | S/34 STRATEGIC PROFIT MODEL              | 5798-NZR     |     | 287     |          |          |          |    | 01 GB30-1424 | SYSTEM/34                | 1 S H       |
| RCA              | EMULATOR FOR RCA 301                     | 5799-ADR     |     | 765     |          |          |          |    | GA24-3605    | DOS DOS/VS               | 0 S C       |
| RCA              | RCA COBOL TO IBM ANS COBOL               | 5798-AHT     |     | 517     |          |          |          |    | 12 GB21-0493 | DOS/OS                   | 0 I H       |
| >RDD/34          | S/34 REMOTE DOC DISTRIB W/ 5520          | 5798-RHK     |     | 250     |          |          |          |    | 06 GB30-1721 | SYSTEM/34                | 1 S H       |
| >RE-ENTRY        | S/34 ONLINE REJECT RE-ENTRY              | 5798-NZY     |     | 46      |          |          |          |    | 12 GB30-1445 | SYSTEM/34                | 1 S H       |
| READER           | VIRTUAL SPOOLED READER DISPLAY/CMS       | 5796-AVK     |     | 80      |          |          |          |    | 12 G320-6338 | VM/CMS                   | 1 S H       |
| >READER SUPPORT  | OPTICAL MARK READER SUPPORT              | 5798-NRC     |     | 575     |          |          |          |    | 01 GB30-1202 | 5120 SYSTEM              | 1 S H       |
| READING          | CICS/VS DUMP READING PROGRAM             | 5798-CJX     |     | 100     |          |          |          |    | 12 GB21-1874 | OS/VS                    | 1 S H       |
| REAL             | SPECIAL REAL TIME OPERATING SYST - SRTOS | 5799-AHE     |     | 5015    |          |          |          |    | 12 SH20-1773 | VS1                      | 2 I B       |
| REAL             | VM REAL TIME MONITOR                     | 5796-PNA     |     | 44      |          |          |          |    | G320-6165    | VM/CMS                   | 1 S E       |
| >REAL ESTATE     | FOX REAL ESTATE MANAGEMENT               | 5793-AAA     |     | 5520    |          |          |          |    | 01 GB30-1415 | 5120 SYSTEM              | 1 S H       |
| >REAL ESTATE MKT | REAL ESTATE ACCTG/MKTG SYSTEM            | 5796-NTT     |     | 373     |          |          |          |    | 12 GB30-1260 | SYSTEM/32                | 1 S H       |
| >REAL TIME PROG  | S/1 HOST PL/1 - RPS                      | 5798-NZJ     |     | 960     |          |          |          |    | 24 GB30-1483 | SERIES/1                 | 1 S H       |
| >REALTIME        | FORTRAN IV REALTIME SUBROUTINE LIBRARY   | 5719-F03     | R   | 7       |          |          |          |    | GC34-0140    | SERIES/1                 | 1 S C       |
| >REALTIME        | FORTRAN IV REALTIME SUBROU LIBR VER 2    | 5719-F04     | R   | 8       |          |          |          |    | GC34-0140    | SERIES/1                 | 1 S C       |
| >REALTIME        | REALTIME PROG SYS MULT TERM MGR VER 3    | 5719-MT1     | R   | 30      |          |          |          |    | GC34-0456    | SERIES/1                 | 1 S E       |
| >REALTIME        | REALTIME PROGRAMMING SYSTEM              | 5719-PC1     | R   | 25      |          |          |          |    | GC34-0102    | SERIES/1                 | 1 S C       |
| >REALTIME        | REALTIME PROGRAMMING SYSTEM VERSION 2    | 5719-PC2     | R   | 32      |          |          |          |    | GC34-0114    | SERIES/1                 | 1 S C       |
| >REALTIME        | REALTIME PROGRAMMING SYSTEM VERSION 3    | 5719-PC3     | R   | 40      |          |          |          |    | GC34-0193    | SERIES/1                 | 1 S C       |
| >REALTIME        | REALTIME PROGRAMMING SYSTEM QUERY        | 5719-XR2     | R   | 22      |          |          |          |    | GC34-0457    | SERIES/1                 | 1 S E       |
| >REALTIME PROGRA | VIRT MACH FACIL/370 FOR S/1              | 5798-RDR     |     | 720     |          |          |          |    | 12 GB30-1590 | SERIES/1                 | 1 S H       |
| >REC             | OVER-THE-CTR INV &ACCTS REC INQ OTC      | 5726-DM5     |     | 2070    |          |          |          |    | 01 GB30-2501 | SYSTEM/34                | 1 S C       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE DISTRIBUTION         | 5714-D42     |     | 99      | 74       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE MANUFACTURING        | 5714-M44     |     | 61      | 46       |          |          |    | GH30-0708    | SYSTEM/38                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE MGMT INFO MULTI IND  | 5715-XX4     |     | 1025    |          |          |          |    | 01 GB30-2722 | SYS/23 DATAMASTER        | 1 I E       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >RECEIVABLE      | ACCOUNTS RECEIVABLE                      | 5721-XB4     |     | 76      |          |          |          |    | 24 G280-0183 | 5120 SYSTEM              | 1 S C       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE LUMBER DEALERS       | 5725-D4B     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE                      | 5725-D43     |     | 68      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | 5725-D66     |     | 68      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE HOSPITAL             | 5725-H12     |     | 31      |          |          |          |    | GH30-0450    | SYSTEM/32                | 1 I C       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE MFG                  | 5725-M34     |     | 51      |          |          |          |    | GH30-0031    | SYSTEM/32                | 1 I C       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE DISTRIBUTORS         | 5726-D4B     |     | 68      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE LUMBER DEALERS       | 5726-D4F     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE DISTRIBUTORS         | 5726-D42     |     | 70      | 53       |          |          |    | GH30-0185    | SYSTEM/34                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | 5726-D66     |     | 69      |          |          |          |    | GH30-0156    | SYSTEM/34                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE HOSPITAL             | 5726-H12     |     | 51      |          |          |          |    | GH30-0405    | SYSTEM/34                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE MFG                  | 5726-M34     |     | 51      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE MFG                  | 5726-M44     |     | 70      | 53       |          |          |    | GH30-0221    | SYSTEM/34                | 1 I D       |
| >RECEIVABLE      | ACCOUNTS RECEIVABLE / PEACHTREE SOFTWARE | 6024-009     |     | 595     |          |          |          | 01 | GX20-2397    | IBM PERSONAL COMPUTR     | 0 S H       |
| >RECEIVABLE      | CONTR/SUBCONTR ACCTS RECEIVABLE          | 5798-AJB     |     | 126     |          |          |          | 12 | GB21-0517    | SYSTEM/3                 | 1 I H       |
| >RECEIVABLE      | DEALER ACCT SYS - WESTLAND AUTO          | 5796-ABV     |     | 527     |          |          |          | 12 | G320-1423    | SYSTEM/3                 | 1 I H       |
| >RECEIVABLE      | ONLINE BICARSA                           | 5798-NHF     |     | 454     |          |          |          | 12 | GB30-0842    | SYSTEM/3                 | 1 I H       |
| >RECEIVABLE      | ONLINE OPEN-ITEM A/R S3-M15              | 5798-NJF     |     | 258     |          |          |          | 12 | GB30-0897    | SYSTEM/3                 | 1 I H       |
| >RECEIVABLE      | OPEN ITEM ACCOUNTS RECEIVABLE            | 5798-CAE     |     | 135     |          |          |          | 12 | GB21-1395    | DOS/VS                   | 1 I H       |
| >RECEIVABLE      | OPEN ITEM A/R FOR DIR ATT 3741           | 5798-NDL     |     | 120     |          |          |          | 12 | GB30-0791    | SYSTEM/3                 | 1 S H       |
| >RECEIVABLE      | S/34 APPAREL BUS SYS - A/R               | 5796-RAD     |     | 287     |          |          |          | 12 | GB30-1457    | SYSTEM/34                | 1 S H       |
| >RECEIVABLE      | 5110 ACCOUNTS RECEIVABLE                 | 5798-NPN     |     | 86      |          |          |          | 12 | GB30-1151    | 5120 SYSTEM              | 1 S H       |
| >RECEIVABLES     | UTILITY BILLING AND RECEIVABLES          | 5701-G24     |     | 100     |          |          |          |    | GH20-0882    | SYSTEM/3                 | 1 I C       |
| RECEIVING        | COPICS RECEIVING                         | 5785-GAZ     |     | 175     |          |          |          |    | GB21-2774    | DOS/VSE,OS/VS DL/I       | 1 S E       |
| RECORD           | MEDICAL RECORD ABSTRACT SYSTEM           | 5796-AVL     |     | 747     |          |          |          | 24 | G320-6341    | DOS/VSE                  | 1 S H       |
| >RECORD SYSTEM   | STUDENT RECORD SYSTEM                    | 5796-AEN     |     | 204     |          |          |          | 12 | G320-8078    | SYSTEM/3                 | 1 I H       |
| >RECORDS         | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5725-E31     |     | 107     |          |          |          |    | GH30-0304    | SYSTEM/32                | 1 I C       |
| >RECORDS         | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5726-E31     |     | 123     |          |          |          |    | GH30-0410    | SYSTEM/34                | 1 I D       |
| >RECOVERY        | CICS/VS DATA-SET RECOVERY FACILITY       | 5798-CJF     |     | 56      |          |          |          | 12 | GB21-1837    | OS/VS, DOS/VS            | 1 S H       |
| >RECOVERY        | CICS/VS ONLINE DATASET RECOVERY FACILITY | 5798-DHL     |     | 670     |          |          |          | 01 | GB21-2911    | CICS/DOS NON-DL/I        | 1 S H       |
| >RECOVERY        | IMS/VS DATA BASE RECOVERY CONTROL FEAT.  | 5740-XX2/06  |     | 331     | 248      | 29       | 46       |    | GH35-0010    | 6093-6094                | 1 S K       |
| >RECOVERY        | SYSTEM/38 LOG RECOVERY                   | 5799-BEP     |     | 58      |          |          |          |    | GC21-7913    | SYSTEM/38                | 1 S D       |
| REENTRY          | ONLINE REJECT / REENTRY TESTING AID      | 5798-CWE     |     | 112     |          |          |          | 12 | GB21-2264    | OS/VS                    | 1 S H       |
| REFERENCE        | DPPX COBOL APPLICATION CROSS REFERENCE   | 5798-DDJ     |     | 20      |          |          |          | 12 | GB21-2672    | DPPX                     | 1 S H       |
| REFERENCE        | TRANSACTION CROSS REFERENCE 3600 4700    | 5796-ATR     |     | 150     |          |          |          | 12 | G320-6077    | DOS/VS, OS/VS, CICS/VS   | 1 S H       |
| >REFERENCE FILIN | S/23 COMPUTERIZED FILLING SYSTEM         | 5798-RHD     |     | 1440    |          |          |          | 01 | GB30-1695    | SVS/23 DATAMASTER        | 1 I H       |
| REFERENCED       | CRITERION REFERENCED TEST REPORTING      | 5796-AZZ     |     | 175     |          |          |          | 12 | G320-6419    | DOS/VS                   | 1 S H       |
| >REFORMAT        | CONVERSION REFORMAT UTILITY              | 5714-CV2     |     | 15      | 11       |          |          |    | GC21-7778    | SYSTEM/38                | 1 S A       |
| REGISTRATION     | HEALTH CARE: DL/I PATIENT REGISTRATION   | 5798-CGE     |     | 315     |          |          |          | 12 | GB21-1729    | OS/VS                    | 1 I H       |
| REGISTRATION     | HOSPITAL CARE: PATIENT REGISTRATION      | 5798-CCB     |     | 364     |          |          |          | 12 | GB21-1471    | DOS/VS DL/I CICS/VS      | 1 I H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #      | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| REGISTRATION     | ONLINE STUDENT REGISTRATION SYSTEM       | 5796-ANW     |     | 450     |          |          |          | 24         | G320-5751 DOS/VS, CICS/VS     | 1 I H       |
| >REGISTRATION    | ONLINE STUDENT REG. SYSTEM               | 5798-NWP     |     | 333     |          |          |          | 12         | GB30-1312 SYSTEM/34           | 1 S H       |
| REJECT           | ONLINE REJECT / REENTRY TESTING AID      | 5798-CWE     |     | 112     |          |          |          | 12         | GB21-2264 OS/VS               | 1 S H       |
| RELATIONAL       | SQL / DATA SYSTEM - RELATIONAL STRUCTURE | 5748-XXJ     |     | 345     | 258      | 105      | 168      |            | GH24-5012 DOS/VSE & VSE/VSAM  | 2 S K       |
| >RELEA           | RELEA CTRL FOR SUPPLIERS TO THE AUTO IND | 5725-M45     |     | 84      |          |          |          |            | GH30-0014 SYSTEM/32           | 1 S C       |
| RELIABILITY      | MAINT ENGR: RELIABILITY                  | 5796-ARX     |     | 505     |          |          |          | 24         | G320-6055 OS/V52              | 1 S H       |
| RELOAD           | IMS FAST REORGANIZATION RELOAD           | 5798-CXT     |     | 252     |          |          |          | 12         | GB21-2341 OS/VS               | 1 I H       |
| >REMODELER       | 5110/5120 BLDG/REMOD ESTIM SYS           | 5793-AAB     |     | 5520    |          |          |          | 01         | GB30-1520 5120 SYSTEM         | 1 S H       |
| REMOTE           | DISTRIBUTED OFFICE SUPPORT - REMOTE      | 5740-XYK/01  |     | 103     |          |          |          |            | GH12-5124 3730,8100/DOSF      | 2 S B       |
| REMOTE           | DOS/VSE REMOTE JOB ENTRY WORKSTATION     | 5746-RC9     |     | 103     |          |          |          |            | GH20-2199 VSE TO VM/CMS,OS/V5 | 1 S B       |
| REMOTE           | DOS/VS REMOTE JOB ENTRY WORKSTATION RJE  | 5799-WHX     |     |         |          |          |          |            | GH20-1574 DOS/VS              | 0 S C       |
| REMOTE           | DPPX REMOTE JOB ENTRY WORKSTATION        | 5760-XC1     |     | 32      | 24       | 16       | 26       |            | GC30-3053 DPPX TO OS,VSE,VM   | 1 S K       |
| REMOTE           | HOST CONTROL FOR REMOTE 3600 & 4700      | 5796-ANG     |     | 215     |          |          |          | 12         | G320-6091 DOS/VS,PC/3600      | 1 S H       |
| REMOTE           | HOST REMOTE NODE ENTRY SYSTEM            | 5796-PJY/01  |     | 120     |          |          |          | 24         | G320-5813 OS/VS1              | 1 S H       |
| REMOTE           | HOST REMOTE NODE ENTRY SYSTEM SUPPORT    | 5796-PJY/02  |     | 525     |          |          |          | 01         | G320-5813 9583-9584           | 0 S H       |
| >REMOTE          | HOST REMOTE NODE ENTRY SYSTEM II         | 5796-PPL     |     | 120     |          |          |          |            | G320-6647 OS/VS1              | 1 S E       |
| >REMOTE          | INTELLIGENT REMOTE STAT SUPPORT          | 5799-AXL     |     | 106     |          |          |          |            | SC21-7747 SYSTEM/3            | 1 S D       |
| >REMOTE          | REMOTE JOB ENTRY FACILITY                | 5714-RC1     |     | 135     |          |          |          |            | GC21-7915 SVSYSTEM/38         | 1 S A       |
| REMOTE           | REMOTE SPOOLING COMMUNICATION SUBSYSTEM  | 5748-XP1     |     | 84      | 63       | 28       | 45       |            | GH24-5004 VM/SP               | 1 S K       |
| >REMOTE          | REMOTE JOB ENTRY RPS RJE                 | 5799-TBK     | R   | 38      |          |          |          |            | GC34-1599 SERIES/1            | 1 S C       |
| >REMOTE          | RPS REMOTE MANAGEMENT UTILITY            | 5799-TDH     | R   | 7       |          |          |          |            | GC34-1663 SERIES/1            | 1 S C       |
| >REMOTE          | SNA REMOTE MANAGEMENT UTILITY RPS        | 5799-TEF     | R   | 9       |          |          |          |            | GC34-1711 SERIES/1            | 1 S E       |
| >REMOTE          | SYSTEM/32 REMOTE JOB ENTRY RJE           | 5799-WKJ     |     |         |          |          |          |            | GC21-7653 SYSTEM/32           | 1 S B       |
| REMOTE           | VSE/POWER REMOTE JOB ENTRY               | 5746-XE3/02  |     | 89      | 66       | 18       | 29       |            | GH12-5131 6067-6071           | 1 S K       |
| >REMOTE          | 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 5668-983/02  |     | 138     | 103      | 15       | 24       |            | GC34-2061                     | 2 S K       |
| REMOTE           | 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 5735-XX8/02  |     | 138     | 103      | 15       | 24       |            | GC34-2055 6030-6031           | 2 S K       |
| >REMOTE DOC DIST | S/34 REMOTE DOC DISTRIB W/ 5520          | 5798-RHK     |     | 250     |          |          |          | 06         | GB30-1721 SYSTEM/34           | 1 S H       |
| >REMOTE JOB ENTR | MULTILEAVING REMOTE JOB ENTRY            | 5796-NIY     | P   | 143     |          |          |          | 12         | GB30-1272 SERIES/1            | 1 S H       |
| >REMOTE JOB ENTR | REMOTE JOB ENTRY FOR POWER/VS            | 5796-NTR     |     | 172     |          |          |          | 06         | GB30-1253 SYSTEM/34           | 1 S H       |
| >REMOTE JOB ENTR | REMOTE JOB ENTRY FOR POWER/VS            | 5798-NDW     |     | 143     |          |          |          | 12         | GB30-0746 SYSTEM/3            | 1 S H       |
| >REMOTE JOB ENTR | REMOTE JOB ENTRY FOR CPS                 | 5798-NPZ     | P   | 29      |          |          |          | 12         | GB30-1134 SERIES/1            | 1 S H       |
| >REMOTE S/34     | S/34 CENTRAL SITE MAINTENANCE            | 5798-RBD     |     | 92      |          |          |          | 06         | GB30-1494 SYSTEM/34           | 1 S H       |
| >REMOTE TOLL     | S/1 REMOTE TOLL DATA COLLEC              | 5798-NYH     |     | 100     |          |          |          | 12         | GB30-1653 SERIES/1            | 1 S H       |
| >REMOTE TOLL     | S/1 TEL TOLL DATA COL AE-SATT            | 5798-RFX     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1            | 1 S H       |
| >REMOTE TOLL     | S/1 TEL TOLL DATA COL NT-500             | 5798-RFY     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1            | 1 S H       |
| >REMOTE TOLL     | S/1 TEL TOLL DATA COL NT-400             | 5798-RGB     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1            | 1 S H       |
| >REMOTE TOLL     | S/1 TEL TOLL DATA COL SC-75              | 5798-RGC     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1            | 1 S H       |
| REORGANIZATION   | IMS FAST REORGANIZATION RELOAD           | 5798-CXT     |     | 252     |          |          |          | 12         | GB21-2341 OS/VS               | 1 I H       |
| >REP             | INV MGMT PROD REP &ORD VAL EVAL IMPROVE  | 5714-D46     |     | 226     | 169      |          |          |            | GH30-0080 SYSTEM/38           | 1 I D       |
| >REPAIR PARTS    | DEALER PARTS INVTY COMM SYSTEM           | 5798-NZL     |     | 86      |          |          |          | 12         | GB30-1443 5120 SYSTEM         | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >REPLENISHMENT   | INVENTORY FORECASTING & REPLENISHMENT II | 5798-DDR     |     | 625     |          |          |          | 24         | GB21-2695 OS/V5,DOS/VSE        | 1 S H       |
| >REPORT          | AUTO REPORT SUPPORT FEATURE MOD 8/10DISK | 5702-RG1/05  |     | 20      |          |          |          |            | GC21-7563 6028/29              | 1 S C       |
| >REPORT          | AUTO REPORT SUPPORT FEATURE MOD 6        | 5703-RG1/03  |     | 20      |          |          |          |            | GC21-7563 6008/9               | 1 S C       |
| >REPORT          | BUSINESS REPORT APPLICATION DEV SYST     | 5715-RG2     |     | 1145    |          |          |          | 01         | SB30-2536 SVS/23 DATAMASTER    | 1 I E       |
| >REPORT          | CLIENT ACCOUNT & FINANCIAL REPORT SYS II | 5726-C22     |     | 195     | 146      |          |          |            | GH30-0230 SYSTEM/34            | 1 I D       |
| REPORT           | DOS RPG II AUTO REPORT FEATURE           | 5736-RG1/02  |     | 25      |          |          |          |            | GC21-5052 6017-6021,6035-6037  | 1 S C       |
| REPORT           | IBM 3741 REPORT GENERATOR                | 5796-ARC     |     | 100     |          |          |          | 12         | G320-5823                      | 1 S H       |
| REPORT           | INTERACTIVE QUERY & REPORT PROCESSOR     | 5796-PDG     |     | 1360    |          |          |          | 24         | G320-1544 OS/V51,V52           | 1 S H       |
| REPORT           | MATRIX GENERATOR REPORT WRITER FOR MPSX  | 5734-XMC     |     | 509     |          |          |          |            | GH19-5012 OS/MFT/MVT           | 1 I B       |
| >REPORT          | TCAM SUBTASK TRACE ANALYSIS REPORT       | 5798-DGK     |     | 45      |          |          |          | 12         | GB21-2860 OS/V5,ACF/TCAM       | 1 S H       |
| REPORT           | 3650 POINT OF SALE REPORT CUSTOMIZER     | 5748-D15     |     | 9       |          |          |          | 48         | GC30-3054 3650                 | 1 S A       |
| REPORT           | 3650 STORE ACCOUNTING REPORT CUSTOMIZER  | 5798-CWG     |     | 71      |          |          |          | 12         | GB21-2273 DOS/V5 ANS COBOL     | 1 S H       |
| REPORT           | 3800 REPORT DISTRIBUTION                 | 5798-DDK     |     | 180     |          |          |          | 12         | GB21-2676 OS/V5                | 1 S H       |
| >REPORT TRANSFER | S/34 TO 5280 REPORT TRANSFER             | 5798-RDB     |     | 300     |          |          |          | 01         | GB30-1581 SYSTEM/34            | 1 S H       |
| >REPORT WRITER   | QUERY FACILITY                           | 5798-ANR     |     | 55      |          |          |          | 12         | GB21-0770 SYSTEM/3             | 1 I H       |
| >REPORT WRITING  | EXTENDED QUERY UTILITY-EQUS/3            | 5798-NXX     |     | 86      |          |          |          | 12         | GB30-0981 SYSTEM/3             | 1 S H       |
| REPORTER         | DPPX PERFORMANCE TOOL REPORTER FEATURE   | 5760-XR5/02  |     | 55      |          |          |          |            | GH20-2155 6002                 | 1 S B       |
| REPORTER         | SERVICE LEVEL REPORTER                   | 5740-DC3     |     | 507     | 380      | 43       | 68       |            | GH19-6169 OS/V5                | 1 I K       |
| REPORTING        | A DEPARTMENTAL REPORTING SYSTEM II       | 5796-PLN/01  |     | 152     |          |          |          |            | G320-6097 VSAPL                | 1 I E       |
| REPORTING        | CICS PERFORMANCE ANALYSIS REPORTING      | 5798-DAB     |     | 69      |          |          |          |            | GB21-2494 OS/V5,DOS/VSE        | 1 S E       |
| >REPORTING       | CLIENT ACCOUNT & FINANCIAL REPORTING SVS | 5726-C21     |     | 170     |          |          |          |            | GH30-0230 SYSTEM/34            | 1 I C       |
| REPORTING        | CRITERION REFERENCED TEST REPORTING      | 5796-AZZ     |     | 175     |          |          |          | 12         | G320-6419 DOS/V5               | 1 S H       |
| REPORTING        | FLEET DATA BASE REPORTING SYSTEM         | 5798-CBN     |     | 200     |          |          |          | 12         | GB21-1486 DOS/V5               | 1 I H       |
| REPORTING        | FREIGHT & EQUIPMENT REPORTING SVS        | 5795-AAF     |     | 634     |          |          |          |            | GH20-4384 OS/V51               | 1 I C       |
| REPORTING        | FREIGHT & EQUIPMENT REPORTING SVS        | 5795-AAG     |     | 525     |          |          |          |            | GH20-4384 DOS/V5               | 1 I C       |
| REPORTING        | GENERAL PERFORMANCE ANALYSIS REPORTING   | 5798-CPR     |     | 64      |          |          |          |            | GB21-2091 OS/V51, MVS, SVS     | 1 I E       |
| REPORTING        | GOVERNMENT REPORTING / TRACKING FEATURE  | 5740-AM4/02  |     | 278     |          |          |          |            | GH20-2151 6125-6126            | 2 S B       |
| REPORTING        | GOVERNMENT REPORTING & BENEFITS TRACKING | 5746-AM1/02  |     | 208     |          |          |          |            | GH20-2151 6080-6081            | 2 S B       |
| REPORTING        | IMS HISTORY REPORTING SYSTEM             | 5798-CLB     |     | 165     |          |          |          | 12         | GB21-1945 OS/V5                | 1 I H       |
| REPORTING        | INCIDENT REPORTING AND TRACKING SYSTEM   | 5798-CNP     |     | 125     |          |          |          | 12         | GB21-2047 DOS/V5               | 1 S H       |
| >REPORTING       | INVENTORY REPORTING                      | 5721-XB5     |     | 76      |          |          |          | 24         | G280-0181 5120 SYSTEM          | 1 S C       |
| REPORTING        | PERFORMANCE ANALYSIS & REPORTING SYSTEM  | 5798-CQP     |     | 143     |          |          |          |            | GB21-2139 IMS/V5 V1R2,5798-CPR | 1 I E       |
| >REPORTING       | PUBLIC BUDGETING & FINANCIAL REP         | 5798-NFC     |     | 379     |          |          |          | 12         | GB30-0956 SYSTEM/3             | 1 S H       |
| REPORTING        | RAILCAR LOCATION & REPORTING SYSTEM      | 5796-AFR     |     | 1335    |          |          |          | 24         | G320-8102 OS/MVT/V51,SVS,MVS   | 1 S H       |
| REPORTING        | SPM II FILE COMPRESSION REPORTING SYSTEM | 5796-AVG     |     | 65      |          |          |          | 12         | G320-6332 DOS/VSE              | 1 S H       |
| REPORTING        | VTAM PERFORMANCE ANALYSIS & REPORTING    | 5798-CTW     |     | 63      |          |          |          |            | GB21-2246 OS/V5, 5798-CPR      | 1 I E       |
| >REPORTING       | VTAM PERFORMANCE & ANALYSIS REPORTING II | 5798-DFE     | P   | 140     |          |          |          |            | GB21-2786 OS/V5,ACF/VTAM       | 1 S E       |
| REPORTING        | 3614 USAGE REPORTING SYSTEM              | 5798-CQK     |     | 200     |          |          |          | 24         | GB21-2132 DOS/V5,DOS/VSE,OS/V5 | 1 I H       |
| >REPORTPACK      | REPORTPACK                               | 5608-SR5     | Q   | 180     |          |          |          |            | G544-0851 DISPLAYWRITER        | Y S E       |
| REPORTS          | CHECK REPORTS                            | 5748-F13     |     | 402     |          |          |          |            | GH20-2136 OS/V5,DOS/V5         | 1 I B       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #         | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|----------------------------------|-------------|
| REPORTS          | IMS AVAILABILITY REPORTS                 | 5798-CNN     |     | 225     |          |          |          | 12         | GB21-2030 OS/VS                  | 1 I H       |
| >REPORTS         | LAW ENFORCEMENT CRIME REPORTS            | 5701-G21     |     | 100     |          |          |          |            | GH20-0891 SYSTEM/3               | 1 I C       |
| REPORTS          | NETWORK PERFORMANCE ANALYSIS & REPORTS   | 5798-CZX     |     | 63      |          |          |          |            | GB21-2487 OS/VS,5798CPR          | 1 S E       |
| >REPORTS         | S/34 GRAPHING SYSTEM                     | 5798-NWQ     |     | 69      |          |          |          | 06         | GB30-1315 SYSTEM/34              | 1 S H       |
| REQUEUER         | IMS/VS MESSAGE REQUEUER                  | 5796-ATP     |     | 109     |          |          |          |            | G320-6071 IMS/VS VIR2            | 1 I E       |
| >REQUIREMENTS    | CAPACITY REQUIREMENTS PLANNING CRP MFG   | 5714-M46     |     | 149     | 112      |          |          |            | GH30-0482 SYSTEM/38              | 1 I D       |
| >REQUIREMENTS    | CAPACITY REQUIREMENTS PLANNING MFG CRP   | 5726-M46     |     | 149     | 112      |          |          |            | GH30-0221 SYSTEM/34              | 1 I D       |
| >REQUIREMENTS    | CARD B/M AND REQUIREMENTS PLANNING MFG   | 5701-M42     |     | 82      |          |          |          |            | GH20-0770 SYSTEM/3               | 1 I C       |
| REQUIREMENTS     | COFICS MATERIAL REQUIREMENTS PLANNING II | 5785-GBF     |     | 105     |          |          |          |            | GB21-2446 DOS/VSE OS/VS DL/I     | 1 S E       |
| >REQUIREMENTS    | FORECAST MODEL SELECT - WALLED I         | 5796-ACP     |     | 62      |          |          |          | 12         | G320-1634 SYSTEM/3               | 1 I H       |
| >REQUIREMENTS    | INVENTORY AND REQUIREMENTS PLANNING MFG. | 5702-M52     |     | 124     |          |          |          |            | GH20-0971 SYSTEM/3               | 1 S B       |
| >REQUIREMENTS    | MATERIAL REQUIREMENTS PLANNING MRP MFG   | 5714-M48     |     | 151     | 113      |          |          |            | GH30-0709 SYSTEM/38              | 1 I D       |
| >REQUIREMENTS    | MATERIAL REQUIREMENTS PLANNING MFG MRP   | 5726-M48     |     | 169     | 127      |          |          |            | GH30-0221 SYSTEM/34              | 1 I D       |
| REQUIREMENTS     | REQUIREMENTS PLANNING                    | 5734-M51/01  |     | 231     |          |          |          |            | GH20-4618 OS/MFT/MVT/VS          | 1 I C       |
| REQUIREMENTS     | REQUIREMENTS PLANNING CONNECTION RECORDS | 5734-M51/02  |     | 33      |          |          |          |            | GH20-4618 6015                   | 1 I C       |
| >REQUIREMENTS PL | IPICS MATERIAL REQ PLAN VERS II          | 5798-NLL     |     | 195     |          |          |          | 24         | GB30-1030 SYSTEM/3               | 1 I H       |
| >REQUIREMENTS PL | PIPICS -- MATERIAL REQ PLANNING          | 5798-NJZ     |     | 212     |          |          |          | 24         | GB30-0938 SYSTEM/3               | 1 I H       |
| >RESERVATIONS    | S/I EDX CF AIRLINE SUPPORT               | 5798-ZZE     | P   | 50      |          |          |          | 24         | GB30-1550 SERIES/1               | 1 S H       |
| >RESIDENT        | COBOL COMPILER & RESIDENT LIBRARY        | 5719-CB1     | R   | 90      |          |          |          |            | GC34-0236 SERIES/1               | 1 S C       |
| >RESIDENT        | DISK RESIDENT CARD UTILITIES MOD 8/10 D  | 5702-UT1     |     | 12      |          |          |          |            | SC21-7529 SYSTEM/3               | 1 S C       |
| >RESIDENT        | DISK RESIDENT CARD UTILITIES MOD 12      | 5705-UT1     |     | 18      |          |          |          |            | GC21-7535 SYSTEM/3               | 1 S C       |
| RESIDENT         | DOS PL/I RESIDENT LIBRARY                | 5736-LM4     |     | 55      | 41       | 5        | 8        |            | GC33-0004 DOS, DOS/VS/VSE, CMS   | 1 S K       |
| >RESIDENT        | EDX COBOL COMPILER & RESIDENT LIBRARY    | 5719-CB3     | R   | 90      |          |          |          |            | GL23-0012 SERIES/1               | 1 S C       |
| RESIDENT         | EDX COBOL COMPILER & RESIDENT LIBR V 2   | 5719-CB5     | R   | 118     |          |          |          |            | GC34-0388 SERIES/1               | 1 S E       |
| RESIDENT         | OS PL/I RESIDENT LIBRARY                 | 5734-LM4     |     | 55      | 41       | 5        | 8        |            | GC33-0001 OS/VS, MFT/MVT, CMS    | 1 S K       |
| >RESIDENT        | PL/I COMPILER AND RESIDENT LIBRARY       | 5719-PL1     | R   | 59      |          |          |          |            | GC34-0084 SERIES/1               | 1 S C       |
| >RESIDENT        | PL/I COMPIL & RESIDENT LIBRARY VER 2     | 5719-PL2     | R   | 148     |          |          |          |            | GC34-0281 SERIES/1               | 1 S C       |
| >RESIDENT        | PL/I EDX COMPILER & RESIDENT LIBRARY     | 5719-PL5     | R   | 148     |          |          |          |            | GC34-0145 SERIES/1               | 1 S C       |
| >RESIDENT        | RPS COBOL COMPILER & RESIDENT LIBR V 2   | 5719-CB7     | R   | 118     |          |          |          |            | GC34-0390 SERIES/1               | 1 S E       |
| >RESOURCE        | RESOURCE MEASUREMENT FACILITY VERSION 3  | 5665-274     | P   | 700     | 525      | 50       | 80       |            | GC28-1115 MVS/XA                 | 2 S K       |
| RESOURCE         | RESOURCE ALLOCATION PROCESSOR FEATURE    | 5734-XP4/03  |     | 285     |          |          |          |            | GH20-0855 6019-6021              | 0 I B       |
| RESOURCE         | RESOURCE ALLOCATION PROCESSOR FEATURE    | 5740-XP1/02  |     | 144     |          |          |          |            | GH19-1055 6003-6005              | 1 I B       |
| RESOURCE         | RESOURCE ACCESS CONTROL FACILITY         | 5740-XXH     |     | 728     | 546      | 32       | 51       |            | GC28-0722 MVS                    | 2 S K       |
| RESOURCE         | RESOURCE MEASUREMENT FACILITY VERSION 2  | 5740-XY4     |     | 380     | 285      | 13       | 21       |            | GC28-0921 MVS                    | 1 S K       |
| RESOURCE         | RESOURCE ALLOCATION PROCESSOR FEATURE    | 5746-XP1/02  |     | 144     |          |          |          |            | GH19-1055 6004-6008, 6044        | 1 I B       |
| RESOURCE         | 3650 STORE RESOURCE MANAGEMENT SYSTEM    | 5798-DCD     |     | 1585    |          |          |          | 01         | GB21-2591 OS/VS, DOS/VS          | 1 S H       |
| RESOURCES        | EARTH RESOURCES MANAGEMENT II            | 5799-ARX     |     | 2300    |          |          |          | 24         | GB11-5007 V51                    | 1 S C       |
| RESPONSE         | A RESPONSE EVALUATION SYSTEM             | 5796-ANZ     |     | 120     |          |          |          | 12         | GB21-9864 IIS, IIPS              | 1 S H       |
| RESPONSE         | IMS/VS RESPONSE TIME MONITOR             | 5796-ARB     |     | 70      |          |          |          | 12         | G320-5822 OS/VS                  | 1 S H       |
| RESTORE          | DIRECT ACCESS STORAGE DUMP RESTORE       | 5740-UT1     |     | 157     |          |          |          |            | GH20-9116 OS/V51, OS/V52, OS/MFT | 1 S C       |

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| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #     | T P L | I S Y |
|------------------|---|--------------|-----|---------|----------|----------|----------|------------|------------------------------|-------|-------|
| RESTORE          | VSAM SELECTIVE RESTORE                  | 5796-AXL     |     | 75      |          |          |          | 12         | G320-6156 VS1                | 0     | S H   |
| RESTORE          | VSE VSAM FAST BACKUP RESTORE FEATURE    | 5746-AM2/03  |     | 24      | 18       | 5        | 8        |            | GC24-5190 6090-6091          | 1     | S K   |
| RESTRUCTURING    | DATA BASE EXTRACTING AND RESTRUCTURING  | 5796-PLH     |     | 462     |          |          |          |            | G320-6160 IMS/V5 PL/I        | 1     | S E   |
| >RETAIL          | DATA PREPARATION RETAIL                 | 5726-XA4     |     | 119     | 89       |          |          |            | GH30-0136 SYSTEM/34          | 1     | I D   |
| >RETAIL          | FINANCIAL APPLICATIONS BRIDGE RETAIL    | 5726-XA7     |     | 150     |          |          |          | 24         | GH30-0136 SYSTEM/34          | 1     | S E   |
| >RETAIL          | MERCHANDISE CONTROL RETAIL              | 5726-XA3     |     | 366     | 274      |          |          |            | GH30-0136 SYSTEM/34          | 1     | I D   |
| >RETAIL          | RETAIL DATA PREPARATION 5260            | 5714-XA4     |     | 129     | 97       |          |          |            | GH30-0136 SYSTEM/38          | 1     | I D   |
| >RETAIL          | RETAIL DATA PREPARATION 5265            | 5725-XA2     |     | 119     |          |          |          |            | GH30-0136 SYSTEM/32          | 1     | I B   |
| >RETAIL          | RETAIL CREDIT CONTROL RETAIL            | 5726-XA5     |     | 230     | 172      |          |          |            | GH30-0136 SYSTEM/34          | 1     | I D   |
| >RETAIL          | RETAIL CREDIT CONTROL RETAIL            | 5726-XA5     |     | 230     | 172      |          |          |            | GH30-0136 SYSTEM/34          | 1     | I D   |
| RETAIL           | RETAIL STORE SYSTEM HOST SUPPORT        | 5744-BQ1     |     |         |          |          |          |            | GC30-3022 OS/V51             | 0     | S S   |
| >RETAIL          | RETAIL MERCHANDISE TICKETING            | 5796-BCA     |     | 250     |          |          |          | 24         | G320-6625 DPPX               | 1     | S H   |
| >RETAIL          | S/34 WHOLESALE/RETAIL LUMBER            | 5796-REW     |     | 500     |          |          |          | 12         | GB30-1615 SYSTEM/34          | 1     | S H   |
| >RETAIL          | SALES AUDIT RETAIL                      | 5726-XA2     |     | 238     | 178      |          |          |            | GH30-0136 SYSTEM/34          | 1     | I D   |
| >RETAIL          | UNIT INVENTORY TECHNIQUES               | 5701-D11     |     | 94      |          |          |          |            | GH20-0931 SYSTEM/3           | 1     | I C   |
| RETAIL           | 3650 POINT OF SALE RETAIL ENVIRONMENT   | 5748-D14     |     | 84      |          |          |          | 48         | GC30-3056 DOS/V5,OS/V5       | 1     | S A   |
| RETAIL           | 3650 RETAIL STORE SYSTEM                | 5744-BQ3     |     |         |          |          |          |            | GC30-9512 OS/V5              | 0     | S S   |
| RETAIL           | 3650 RETAIL STORES SYSTEM               | 5747-BJ1     |     |         |          |          |          |            | GC30-3023 DOS/V5             | 0     | S S   |
| RETAIL           | 3650 RETAIL STORE SYSTEM                | 5747-BJ3     |     |         |          |          |          |            | GC30-9514 DOS/V5             | 0     | S N   |
| RETAIL           | 3650 RETAIL TRANSACTION STAGING         | 5798-BDQ     |     | 215     |          |          |          | 12         | GB21-2703 OS/V5,VSE 5748-D14 | 1     | S H   |
| >RETAIL CREDIT   | RETAIL CREDIT SYSTEM                    | 5796-NQV     |     | 460     |          |          |          | 12         | GB30-1194 SYSTEM/32          | 1     | S H   |
| >RETAIL MERCHANT | RETAIL MERCHANDISING SYSTEM             | 5796-NPA     |     | 391     |          |          |          | 12         | GB30-1081 SYSTEM/32          | 1     | S H   |
| >RETAIL PHARMACY | NURSING HOME PHARMACY SYSTEM            | 5798-NRL     |     | 138     |          |          |          | 12         | GB30-1224 SYSTEM/32          | 1     | S H   |
| >RETAIL PHARMACY | RETAIL PHARMACY SYSTEM                  | 5796-NLC     |     | 287     |          |          |          | 12         | GB30-1000 SYSTEM/32          | 1     | S H   |
| >RETAIL PHARMACY | RETAIL PHARMACY SYSTEM                  | 5798-NRN     |     | 603     |          |          |          | 12         | GB30-1226 SYSTEM/34          | 1     | S H   |
| >RETAIL SALES    | POINT OF SALE DATA COLLECTION           | 5798-NYA     |     | 258     |          |          |          | 12         | GB30-1397 SERIES/1           | 1     | S H   |
| >RETAIL SALES    | 5260 POS DATA CONVERSION SYSTEM         | 5798-NYC     |     | 86      |          |          |          | 12         | GB30-1348 5120 SYSTEM        | 1     | S H   |
| >RETAIL VENDOR   | RETAIL VENDOR ACCTS PAY SYSTEM          | 5796-NTD     |     | 115     |          |          |          | 12         | GB30-0771 SYSTEM/32          | 1     | S H   |
| >RETRIEVAL       | AUDIO SUPPORT FOR TOUCH-TONE            | 5798-NXX     |     | 201     |          |          |          | 12         | GB30-1350 SERIES/1           | 1     | S H   |
| RETRIEVAL        | CHECK PROCESSING ARCHIVE RETRIEVAL      | 5798-CHH     |     | 900     |          |          |          | 12         | GB21-1789 OS/V51,OS/V52      | 1     | I H   |
| RETRIEVAL        | CHECK PROCESSING ARCHIVE / RETRIEVAL    | 5798-CNW     |     | 325     |          |          |          | 12         | GB21-2041 OS/V5 CICS/V5      | 1     | S H   |
| RETRIEVAL        | DATA RETRIEVAL MANIPULATION UTILITY     | 5798-DBC     |     | 48      |          |          |          | 12         | GB21-2535 DOS/VSE,DOS/V5     | 1     | I H   |
| RETRIEVAL        | JES2 INFORMATION RETRIEVAL SYSTEM - CMS | 5796-AVD     |     | 300     |          |          |          | 12         | G320-6334 VM/CMS             | 1     | S H   |
| RETRIEVAL        | STAIRS/V5 THESAURUS RETRIEVAL - TLS     | 5799-AQK     |     | 417     |          |          |          |            | GH20-1908 VS1,V52,STAIRS/V5  | 1     | S B   |
| RETRIEVAL        | STORAGE & INFORMATION RETRIEVAL SYSTEM  | 5740-XR1     |     | 1020    |          |          |          |            | GH12-5114 OS/V51,OS/V52      | 2     | S B   |
| RETRIEVAL        | STORAGE & INFORMATION RETRIEVAL SYSTEM  | 5746-XR4     |     | 834     |          |          |          |            | GH20-1832 CICS/DOS/V5        | 2     | S B   |
| RETRIEVAL        | STORAGE & INFORMATION RETRIEVAL SYSTEM  | 5785-CAH     |     | 250     |          |          |          |            | GB21-2767 VM/CMS             | 1     | S E   |
| REVENUE          | HEALTH CARE: REVENUE MANAGEMENT SYSTEM  | 5798-BDG     |     | 212     |          |          |          | 12         | GB21-1345 DOS/V5             | 1     | I H   |
| >REVENUE         | MOTOR FREIGHT REVENUE ACCOUNTING        | 5725-T21     |     | 265     |          |          |          |            | GH30-0312 SYSTEM/32          | 1     | I C   |
| >REVENUE         | MOTOR FREIGHT REVENUE ACCOUNTING        | 5726-T21     |     | 304     |          |          |          |            | GH30-0413 SYSTEM/34          | 1     | I D   |

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|----------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >REVENUE       | REVENUE ACCOUNTING CONSTRUCTION A/R      | 5726-M6A     |     | 99      | 74       |          |          |    | GH30-0707    | SYSTEM/34                | 1 I D       |
| >REVENUE ACCTG | HOSPITAL REVENUE MGMT - PHIL. GR         | 5796-AEA     |     | 155     |          |          |          | 12 | G320-8079    | SYSTEM/3                 | 1 I H       |
| >REVERSE       | DOS VIDE0/370 REVERSE EXTRACT II         | 5798-DHD     | P   | 75      |          |          |          | 12 | GB21-2893    | DOS/VSE                  | 1 S H       |
| REVERSE        | VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY | 5798-CJG     |     | 140     |          |          |          | 12 | GB21-1843    | DOS/V5 VIDEO/370         | 1 S H       |
| REVERSE        | VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY | 5798-CJP     |     | 140     |          |          |          | 12 | GB21-1843    | OS/V5 VIDEO/370          | 1 S H       |
| REVIEW         | HEALTH CARE UTILIZATION REVIEW SYSTEM    | 5796-AHN     |     | 700     |          |          |          | 24 | G320-6157    | DOS/V5, DL/I             | 1 S H       |
| REVOLVING      | COMMERCIAL BANK SYSTEM REVOLVING CREDIT  | 5746-F65     |     | 185     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/V5       | 1 S B       |
| RJE            | DOS/VSE REMOTE JOB ENTRY WORKSTATION     | 5746-RC9     |     | 103     |          |          |          |    | GH20-2199    | VSE TO VM/CMS,OS/V5      | 1 S B       |
| RJE            | DPPX REMOTE JOB ENTRY WORKSTATION        | 5760-XC1     |     | 32      | 24       | 16       | 26       |    | GC30-3053    | DPPX TO OS,VSE,VM        | 1 S K       |
| RJE            | POWER/V5 RJE CONTROLLED ACCESS MONITOR   | 5798-CPH     |     | 80      |          |          |          | 12 | GB21-2066    | DOS/V5                   | 1 S H       |
| >RJE           | REMOTE JOB ENTRY FACILITY                | 5714-RC1     |     | 135     |          |          |          |    | GC21-7915    | SYSTEM/38                | 1 S A       |
| >RJE           | REMOTE JOB ENTRY RPS RJE                 | 5799-TBK     | R   | 38      |          |          |          |    | GC34-1599    | SERIES/1                 | 1 S C       |
| >RJE           | REMOTE JOB ENTRY FOR POWER/V5            | 5796-NTR     |     | 172     |          |          |          | 06 | GB30-1253    | SYSTEM/34                | 1 S H       |
| >RJE           | REMOTE JOB ENTRY FOR POWER/V5            | 5798-NDW     |     | 143     |          |          |          | 12 | GB30-0746    | SYSTEM/3                 | 1 S H       |
| >RJE           | REMOTE JOB ENTRY FOR CPS                 | 5798-NPZ     | P   | 29      |          |          |          | 12 | GB30-1134    | SERIES/1                 | 1 S H       |
| >RJE           | SYSTEM/32 REMOTE JOB ENTRY RJE           | 5799-WKJ     |     |         |          |          |          |    | GC21-7653    | SYSTEM/32                | 1 S B       |
| >RM            | RM BASIC                                 | 5796-BCX     | P   | 75      |          |          |          |    | G320-6658    | VM/CMS                   | 1 S E       |
| >RMAS          | DATA PREPARATION RETAIL                  | 5726-XA4     |     | 119     | 89       |          |          |    | GH30-0136    | SYSTEM/34                | 1 I D       |
| >RMAS          | FINANCIAL APPLICATIONS BRIDGE RETAIL     | 5726-XA7     |     | 150     |          |          |          | 24 | GH30-0136    | SYSTEM/34                | 1 S E       |
| >RMAS          | MERCHANDISE CONTROL RETAIL               | 5726-XA3     |     | 366     | 274      |          |          |    | GH30-0136    | SYSTEM/34                | 1 I D       |
| >RMAS          | RETAIL DATA PREPARATION 5265             | 5725-XA2     |     | 119     |          |          |          |    | GH30-0136    | SYSTEM/32                | 1 I B       |
| >RMAS          | RETAIL CREDIT CONTROL RETAIL             | 5726-XA5     |     | 230     | 172      |          |          |    | GH30-0136    | SYSTEM/34                | 1 I D       |
| >RMAS          | SALES AUDIT RETAIL                       | 5726-XA2     |     | 238     | 178      |          |          |    | GH30-0136    | SYSTEM/34                | 1 I D       |
| >RMF           | RESOURCE MEASUREMENT FACILITY VERSION 3  | 5665-274     | P   | 700     | 525      | 50       | 80       |    | GC28-1115    | MVS/XA                   | 2 S K       |
| RMF            | RESOURCE MEASUREMENT FACILITY VERSION 2  | 5740-XY4     |     | 380     | 285      | 13       | 21       |    | GC28-0921    | MVS                      | 1 S K       |
| >ROI           | S/34 STRATEGIC PROFIT MODEL              | 5798-NZR     |     | 287     |          |          |          | 01 | GB30-1424    | SYSTEM/34                | 1 S H       |
| ROUTINE        | 1400 COMPATIBILITY ACCESS ROUTINE        | 5798-CDB     |     | 500     |          |          |          | 01 | GB21-1546    | DOS/V5                   | 1 I H       |
| ROUTINES       | DASD DEVICE INDEPENDENCE ROUTINES        | 5798-ALK     |     | 55      |          |          |          | 24 | GB21-0684    | DOS                      | 0 I H       |
| >ROUTING       | COPICS ONLINE ROUTING                    | 5740-XYX     |     | 250     |          |          |          |    | GH12-5138    | OS/V5,IMS,CICS,DL/I      | 2 S E       |
| >ROUTING       | COPICS ONLINE ROUTING                    | 5746-XY1     |     | 250     |          |          |          |    | GH12-5138    | DOS/VSE,CICS,DL/I        | 2 S E       |
| ROUTING        | COPICS ROUTING DATA CONTROL              | 5798-CXE     |     | 140     |          |          |          | 36 | GB21-2311    | DOS/V5,DOS/VSE,OS/V5     | 1 S H       |
| ROUTING        | ROUTING - TRANSIT CHECK DIGIT            | 5798-CXD     |     | 300     |          |          |          | 01 | GB21-2317    | DOS/V5 OS/V5             | 0 S H       |
| ROUTING        | ROUTING TABLE GENERATOR FOR ACF NETWORKS | 5798-DFL     |     | 65      |          |          |          |    | GB21-2805    | OS/V5                    | 1 S E       |
| >ROUTING       | S/1 TEXT ROUTING SYSTEM                  | 5798-NZG     |     | 373     |          |          |          | 24 | GB30-1435    | SERIES/1                 | 1 S H       |
| >RPG           | CARD RPG II MODEL 10 CARD                | 5701-RG1/01  |     | 43      |          |          |          |    | SC21-7518    | SYSTEM/3                 | 1 I C       |
| >RPG           | DISK RPG II MOD 8/10 DISK                | 5702-RG1/01  |     | 62      |          |          |          |    | GC21-7514    | SYSTEM/3                 | 1 S C       |
| RPG            | DOS RPG II                               | 5736-RG1/01  |     | 94      |          |          |          |    | GC21-5021    | DOS,DOS/V5               | 1 S C       |
| RPG            | DOS RPG II AUTO REPORT FEATURE           | 5736-RG1/02  |     | 25      |          |          |          |    | GC21-5052    | 6017-6021,6035-6037      | 1 S C       |
| >RPG           | MODEL 6 RPG II MOD 6                     | 5703-RG1/01  |     | 46      |          |          |          |    | GC21-7514    | SYSTEM/3                 | 1 S C       |
| >RPG           | OS/V5 RPG II COMPILER                    | 5740-RG1     | P   | 180     | 135      | 10       | 16       |    | GC33-6120    | OS/V5                    | 1 S K       |

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| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO     | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|------------------|--------------------------|-------------|
| >RPG             | RPG II - 15ABC                           | 5704-RG1/01  |     | 121     |          |          |          |    | GC21-7514        | SYSTEM/3                 | 1 S C       |
| >RPG             | RPG II - 15D                             | 5704-RG2     |     | 192     |          |          |          |    | GC21-7514        | SYSTEM/3                 | 1 S A       |
| >RPG             | RPG II MOD 12                            | 5705-RG1/01  |     | 107     |          |          |          |    | GC21-7514        | SYSTEM/3                 | 1 S C       |
| >RPG             | RPG III                                  | 5714-RG1     |     | 79      | 59       |          |          |    | GC21-7760        | SYSTEM/38                | 1 S A       |
| >RPG             | RPG II                                   | 5726-RG1     |     | 44      | 33       |          |          |    | GC21-7669        | SYSTEM/34                | 1 S A       |
| >RPG             | RPG II SUBSET                            | 5726-RG2     |     | 540     |          |          |          | 01 | GC21-9034        | SYSTEM/34                | 1 S A       |
| RPG              | RPG II COMPILER                          | 5746-RG1     |     | 131     | 98       | 5        | 8        |    | GC33-6120        | DOS/VS                   | 1 I K       |
| RPG              | RPG II ANALYSIS AND DOCUMENTATION AID    | 5798-CDL     |     | 300     |          |          |          | 01 | GB21-1566        | DOS/VS                   | 0 I H       |
| RPG              | S/3 RPG II CONVERSION PREPROCESSOR       | 5735-CV1     |     | 660     |          |          |          | 01 | GH20-4532        | S/3,DOS/VS               | 0 I C       |
| RPG              | S/3 TO DOS RPG II CONVERSION AID         | 5798-CAA     |     | 400     |          |          |          | 01 | GB21-1389        | DOS/VS                   | 0 I H       |
| >RPG             | SSX/VSE RPG II COMPILER                  | 5666-274     |     | 131     | 98       | 5        | 8        |    | GC33-6143        | SSX/VSE                  | 1 S K       |
| >RPG             | SYSTEM/32 RPG II                         | 5725-RG1     |     | 49      |          |          |          |    | GC21-7594        | SYSTEM/32                | 1 S A       |
| >RPG II COMPILE  | S/34 RPG II COMPIL & SPOOL FILE          | 5796-RFP     |     | 375     |          |          |          | 01 | GB30-1647        | SYSTEM/34                | 1 S H       |
| >RPG II PROGRAMS | DOC AID FOR RPG II PROGS/PACKS           | 5798-BCW     |     | 58      |          |          |          | 06 | GB21-1312        | SYSTEM/3                 | 0 I H       |
| RPQ-EF4346       | DOS/VS SUPPORT FOR 3330 - 3333-11        | 5799-WHZ     |     |         |          |          |          |    | GH20-4376        |                          | 0 S C       |
| RPQ-EG4653       | MVT SUPPORT FOR 3350 / 3330-11           | 5799-ARG     |     | 300     |          |          |          |    | GH20-9115        | OS/MVT                   | 1 I C       |
| RPQ-FA2468       | FORTTRAN H EXTENDED PLUS                 | 5799-AAW     |     | 1485    | 1110     | 5        | 8        |    | MVS              |                          | 1 S K       |
| >RPQ-GJ0769      | CHANNEL CONNECTED SYSTEMS                | 5799-WNK     |     |         |          |          |          |    | GC21-5199        | SYSTEM/3                 | 0 S B       |
| RPQ-MH2256       | EARTH RESOURCES MANAGEMENT II            | 5799-ARX     |     | 2300    |          |          |          | 24 | GB11-5007        | VS1                      | 1 S C       |
| RPQ-MJ0792       | HASP SUPPORT FOR 3800                    | 5799-ATQ     |     | 525     |          |          |          |    | GH20-4493        | OS/MVT                   | 1 S C       |
| RPQ-MJ2480       | MVT SUPPORT FOR 3031/3032/3033           | 5799-ANX     |     | 12880   |          |          |          | 01 | GC28-0951        | OS/MVT                   | 1 S C       |
| RPQ-ML2503       | DPPX SDLC AUTO ANSWER                    | 5799-BDE     |     | 23      | 17       |          |          |    | 8100/DPPX        |                          | 1 S B       |
| RPQ-P09004       | FINANCIAL SERVICES TERMINAL SUPPORT FSTS | 5799-ARD     |     | 544     |          |          |          |    | GH20-4531        | DOS/VS CICS/VS           | 1 I C       |
| RPQ-P09005       | FINANCIAL SERVICES TERMINAL SUPPORT FSTS | 5799-ARE     |     | 695     |          |          |          |    | GH20-4522        | CICS/OS/VS               | 1 I C       |
| RPQ-P09010       | TSS ENHANCEMENTS                         | 5799-AXA     |     | 5250    |          |          |          |    | TSS/370          |                          | 1 S E       |
| RPQ-P09011       | AIRLINE CONTROL PROGRAM (ACP)            | 5799-WKG     |     |         |          |          |          |    | GE20-0423        | VS1-VS2 (OFF-LINE)       | 0 S B       |
| RPQ-P09013       | 3277 GRAPHICS ATTACHMENT SUPPORT         | 5799-AXX     |     | 84      |          |          |          |    | GH20-2147        | VM/CMS,MVS/TSO           | 1 S E       |
| RPQ-P09014       | 3277 APL GRAPHICS ATTACHMENT SUPPORT     | 5799-AXW     |     | 84      |          |          |          |    | GH20-2146        | VSAPL:CMS,TSO,VSPLC      | 1 S E       |
| RPQ-P09016       | INTERACTIVE GEO-FACILITIES GRAPHICS IGG5 | 5799-AYB     |     | 702     |          |          |          | 24 | GH20-2152        | TSO,VM & 5799-AXX        | 2 S E       |
| RPQ-P09017       | TSS ENHANCED SUPPORT II                  | 5799-AYX     |     | 3750    |          |          |          |    | TSS/370,5799-AXA |                          | 1 S E       |
| RPQ-P09021       | NETWORK EXTENSION FACILITY               | 5799-AZP     |     | 506     |          |          |          |    | GH20-5289        | ACF/NCP/VS               | 1 S E       |
| RPQ-P09022       | JES3 NETWORKING PRPQ                     | 5799-AZT     |     | 1535    | 1150     | 260      | 416      |    | GH20-2204        | NJI ENVIRONMENT          | 2 S K       |
| RPQ-P09026       | ACP TRANSACTION PROCESSING               | 5799-WQP     |     |         |          |          |          |    | GH20-2140        | 5748-T11                 | 0 S E       |
| RPQ-P09030       | GEO-FACILITIES DATA BASE SUPPORT         | 5799-BEB     |     | 1725    |          |          |          | 36 | GH20-2482        | IMS,5799-AYB             | 2 S B       |
| RPQ-P09031       | ADVANCED CONTROL SYSTEM - HOST ACS       | 5799-BEJ     |     | 17415   |          |          |          | 12 | 5799-AHE         |                          | 2 S E       |
| RPQ-P09032       | ADVANCED CONTROL SYSTEM - SERIES/1 ACS   | 5799-BEW     |     | 1415    |          |          |          | 12 | 5799-AHE         |                          | 2 S E       |
| RPQ-P09033       | PROFESSIONAL OFFICE SYSTEM - PROFS       | 5799-BEX     |     | 402     |          |          |          |    | GH24-2493        | VM/CMS                   | 1 S E       |
| >RPQ-P09034      | TSS/370 ENHANCED SUPPORT III             | 5799-BGA     |     | 9000    |          |          |          |    | TSS/370          |                          | 1 S E       |
| >RPQ-P10008      | PACKET NETWORK SUPPORT RPS               | 5799-TCP     | R   | 52      |          |          |          |    | SERIES/1         |                          | 1 S E       |
| RPQ-P71044       | STAIRS/VS THESAURUS RETRIEVAL - TLS      | 5799-AQK     |     | 417     |          |          |          |    | GH20-1908        | VS1,VS2,STAIRS/VS        | 1 S B       |



| KEYWORD     | PROGRAM INFORMATION                    | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|-------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| RPQ-P71045  | STAIRS/V5 THESAURUS GENERATOR - TLS    | 5799-AQL     |     | 175     |          |          |          |    | GH20-1908    | OS/V51,OS/V52            | 1 S C       |
| RPQ-P81002  | EMULATOR FOR RCA 301                   | 5799-ADR     |     | 765     |          |          |          |    | GA24-3605    | DOS DOS/VS               | 0 S C       |
| RPQ-P81003  | EMULATOR FOR HONEYWELL 200             | 5799-ADT     |     | 708     |          |          |          |    | GA24-3604    | DOS DOS/VS               | 0 S C       |
| >RPQ-P82508 | CONTROL PROGRAM SUPPORT                | 5799-TAA     | R   | 20      |          |          |          | 24 | GC34-1557    | SERIES/1                 | 1 S C       |
| >RPQ-P82515 | 4979 DISPLAY STATION CPS               | 5799-TAE     | R   | 2       |          |          |          | 24 | SC34-1554    | SERIES/1                 | 1 S C       |
| >RPQ-P82516 | B5C-CONTROL PROGRAM SUPPORT            | 5799-TAF     | R   | 5       |          |          |          | 24 | SC34-1553    | SERIES/1                 | 1 S C       |
| >RPQ-P82519 | INDEXED ACCESS METHOD CPS              | 5799-TAH     | R   | 6       |          |          |          | 24 | SC34-1556    | SERIES/1                 | 1 S C       |
| >RPQ-P82520 | 4978/4979 DISPLAY STATION CPS          | 5799-TAK     | R   | 7       |          |          |          | 24 | GC34-1575    | SERIES/1                 | 1 S C       |
| >RPQ-P82525 | CPS EXTENSION I                        | 5799-TAL     | R   | 2       |          |          |          | 24 | SC34-1552    | SERIES/1                 | 1 S C       |
| >RPQ-P82526 | CPS EXTENSION II                       | 5799-TAQ     | R   | 2       |          |          |          | 24 | SC34-1559    | SERIES/1                 | 1 S C       |
| >RPQ-P82527 | CPS SORT/MERGE                         | 5799-TAT     | R   | 6       |          |          |          | 24 | SC34-1550    | SERIES/1                 | 1 S C       |
| >RPQ-P82528 | CPS DISK TABLE OF CONTENTS             | 5799-TAM     | R   | 1       |          |          |          | 24 | SC34-1561    | SERIES/1                 | 1 S C       |
| >RPQ-P82529 | CPS DISK SPOOLING                      | 5799-TAY     | R   | 3       |          |          |          | 24 | SC34-1563    | SERIES/1                 | 1 S C       |
| >RPQ-P82530 | CPS FORMAT/PRINT                       | 5799-TBA     | R   | 3       |          |          |          | 24 | SC34-1564    | SERIES/1                 | 1 S C       |
| >RPQ-P82531 | CPS 4978/4979 DISPLAY MAP              | 5799-TBE     | R   | 5       |          |          |          | 24 | GC34-1585    | SERIES/1                 | 1 S C       |
| >RPQ-P82532 | CPS OPER STATION/DEBUG PACK            | 5799-TBB     | R   | 10      |          |          |          | 24 | SC34-1562    | SERIES/1                 | 1 S C       |
| >RPQ-P82533 | CPS AUTO-CALL INTERFACE                | 5799-TBC     | R   | 6       |          |          |          | 24 | SC34-1552    | SERIES/1                 | 1 S C       |
| >RPQ-P82534 | CPS COMMERCIAL ARITHMETIC              | 5799-TBD     | R   | 2       |          |          |          | 24 | SC34-1566    | SERIES/1                 | 1 S C       |
| >RPQ-P82535 | CPS EXTENDED FUNCTION                  | 5799-TBT     | R   | 3       |          |          |          | 24 | GC34-1586    | SERIES/1                 | 1 S C       |
| >RPQ-P82536 | CPS ADDRESS TRANSLATOR SUPPORT         | 5799-TBZ     | R   | 7       |          |          |          | 24 | GC34-1601    | SERIES/1                 | 1 S C       |
| >RPQ-P82539 | CPS 4963/4966 SAVE/RESTORE             | 5799-TDK     | R   | 15      |          |          |          | 24 | GC34-1622    | SERIES/1                 | 1 S C       |
| >RPQ-P82541 | CPS 4963 SUBSYSTEM                     | 5799-TCZ     | R   | 15      |          |          |          | 24 | GC34-1638    | SERIES/1                 | 1 S C       |
| >RPQ-P82572 | RPS 4978 DISPLAY SUPPORT VER 3         | 5799-TCE     | R   | 3       |          |          |          |    | SC34-1592    | SERIES/1                 | 1 S C       |
| >RPQ-P82574 | RPS DISK SPOOLING VERSION 3            | 5799-TCH     | R   | 3       |          |          |          |    | SC34-1594    | SERIES/1                 | 1 S C       |
| >RPQ-P82575 | REMOTE JOB ENTRY RPS RJE               | 5799-TBK     | R   | 38      |          |          |          |    | GC34-1599    | SERIES/1                 | 1 S C       |
| >RPQ-P82596 | RPS MULTIPLE TERMINAL MANAGER          | 5799-TCY     | R   | 921     |          |          |          |    | SC34-1658    | SERIES/1                 | 1 S C       |
| >RPQ-P82597 | RPS REMOTE MANAGEMENT UTILITY          | 5799-TDH     | R   | 7       |          |          |          |    | GC34-1663    | SERIES/1                 | 1 S C       |
| >RPQ-P82598 | COMMUNICATION MONITOR FOR SERIES/1 RPS | 5799-TCX     |     | 5220    |          |          |          | 01 | GL23-0002    | SERIES/1                 | 1 S C       |
| >RPQ-P82600 | DATA COLLECT INTERACTIVE EDX           | 5799-TDE     | R   | 39      |          |          |          |    | GC34-1652    | SERIES/1                 | 1 S C       |
| >RPQ-P82606 | RPS TRANSIENT ACTIVITY TOOL V 1        | 5799-TDG     | R   | 6       |          |          |          |    | GC34-0286    | SERIES/1                 | 1 S C       |
| >RPQ-P82621 | CPS 4969 MAG TAPE SUBSYSTEM            | 5799-TDW     | R   | 56      |          |          |          | 24 | GC34-0347    | SERIES/1                 | 1 S C       |
| >RPQ-P82622 | RPS MULT TERMINAL MANAGER V 2          | 5799-TDX     |     | 1550    |          |          |          | 12 | GC34-1691    | SERIES/1                 | 1 S E       |
| >RPQ-P82630 | SERIES/1 LETTER WRITER-V1 RPS          | 5799-TEH     | R   | 80      |          |          |          | 12 | GH30-0711    | SERIES/1                 | 1 S E       |
| >RPQ-P82635 | RPS JOB STREAM PROCESSOR               | 5799-TEC     | R   | 12      |          |          |          |    | GC34-0398    | SERIES/1                 | 1 S E       |
| >RPQ-P82636 | CPS 4965 SUPPORT                       | 5799-TEK     | R   | 42      |          |          |          | 24 | GC34-1717    | SERIES/1                 | 1 S E       |
| >RPQ-P82639 | SNA REMOTE MANAGEMENT UTILITY RPS      | 5799-TEF     | R   | 9       |          |          |          |    | GC34-1711    | SERIES/1                 | 1 S E       |
| >RPQ-P82643 | PAYROLL W2 FORM                        | 5799-BFD     |     | 75      |          |          |          | 01 | 5120 SYSTEM  |                          | 1 S C       |
| >RPQ-P82647 | 370 HOST COBOL FOR SERIES/1 EDX        | 5799-TEL     |     | 1435    |          |          |          | 24 | GC34-1720    | SERIES/1                 | 1 S E       |
| >RPQ-P82648 | 370 HOST COBOL FOR SERIES/1 RPS        | 5799-TEP     |     | 1435    |          |          |          | 24 | GC34-1721    | SERIES/1                 | 1 S E       |
| >RPQ-P82667 | SERIES/1 LETTER WRITER-V2 RPS          | 5799-TEY     | R   | 100     |          |          |          |    | SERIES/1     |                          | 1 S E       |

| KEYWORD     | PROGRAM INFORMATION                      | ORDER NUMBER | T<br>C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T<br>P | I<br>L | S<br>V |
|-------------|--|--------------|--------|---------|----------|----------|----------|----|--------------|--------------------------|--------|--------|--------|
| RPQ-P83000  | CONSUMER TERMINAL ACCESS METHOD - CTAM   | 5799-AZN     |        | 290     |          |          |          |    | GH20-4576    | 3624 DEVICES             | 1      | S      | C      |
| >RPQ-P84002 | S/3 SUPPORT FOR 3735                     | 5799-WER     |        |         |          |          |          |    | GA27-3043    | SYSTEM/3                 | 0      | S      | C      |
| >RPQ-P84004 | TQF/3 MODEL 10                           | 5799-AJR     |        | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0      | S      | C      |
| >RPQ-P84004 | TQF/3 MODEL 15                           | 5799-AJT     |        | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0      | S      | C      |
| >RPQ-P84004 | TQF/3 MODEL 12                           | 5799-AOZ     |        | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0      | S      | C      |
| >RPQ-P84011 | SYSTEM/32 REMOTE JOB ENTRY RJE           | 5799-WKJ     |        |         |          |          |          |    | GC21-7653    | SYSTEM/32                | 1      | S      | B      |
| >RPQ-P84016 | CCP DISK SORT MODEL 12                   | 5799-ATG     |        | 43      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1      | S      | C      |
| >RPQ-P84016 | CCP DISK SORT MODEL 15ABC                | 5799-ATH     |        | 43      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1      | S      | C      |
| >RPQ-P84016 | CCP/DISK SORT MODEL 8 & 10               | 5799-ATF     |        | 43      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1      | S      | C      |
| >RPQ-P84018 | SYSTEM/32 ANS/68 COBOL                   | 5799-AWQ     |        | 120     |          |          |          |    | GBDF-4764    | SYSTEM/32                | 1      | S      | A      |
| >RPQ-P84019 | SYSTEM/34 ANS/68 COBOL                   | 5799-AWR     |        | 105     | 69       |          |          |    | GC21-7784    | SYSTEM/34                | 1      | S      | A      |
| >RPQ-P84024 | INTELLIGENT REMOTE STAT SUPPORT          | 5799-AXL     |        | 106     |          |          |          |    | SC21-7747    | SYSTEM/3                 | 1      | S      | D      |
| >RPQ-P84031 | S/3-15D SMF                              | 5799-AYQ     |        | 29      |          |          |          |    | GC21-5206    | SYSTEM/3                 | 1      | S      | A      |
| >RPQ-P84034 | WORK STATION SUPPORT SUBROUT             | 5799-AYW     |        | 18      | 12       |          |          |    | GC21-7808    | SYSTEM/34                | 1      | S      | A      |
| >RPQ-P84037 | DISTRIBUTED DISK FILE FACILITY DDFE      | 5799-BCP     |        | 93      | 61       |          |          |    | GC21-7872    | SYSTEM/34                | 1      | S      | A      |
| >RPQ-P84038 | S/3-15D DDFE                             | 5799-BCQ     |        | 106     |          |          |          |    | GC21-7874    | SYSTEM/3                 | 1      | S      | A      |
| >RPQ-P84042 | SYSTEM/38 LOG RECOVERY                   | 5799-BEP     |        | 58      |          |          |          |    | GC21-7913    | SYSTEM/38                | 1      | S      | D      |
| >RPQ-P84045 | 5224/5225 ADV PRINTER FUNCTION           | 5799-BFN     |        | 525     |          |          |          | 01 | GC21-7922    | SYSTEM/34                | 1      | S      | E      |
| >RPQ-P84046 | TEXT EDITOR                              | 5799-BFP     |        | 1150    |          |          |          | 01 | GH30-0245    | SYSTEM/34                | 1      | S      | E      |
| >RPQ-P84087 | TEXT MANAGEMENT                          | 5799-BFZ     |        | 50      |          |          |          |    | GC21-7925    | SYSTEM/38                | 1      | S      | A      |
| RPQ-P85027  | LINK CONTROL FDY IATA 3704 SEP           | 5799-AHP     |        | 450     |          |          |          |    | ACP          |                          | 1      | B      |        |
| RPQ-P85032  | PEP EXTENDED FEATURES FOR THE 3705-II    | 5799-BAF     |        | 281     | 210      | 24       | 38       |    | GC30-9540    | VS1 MVS DOS/VSE VM       | 2      | S      | K      |
| RPQ-P87000  | MVSIZAP FOR THE 3850                     | 5799-WPK     |        |         |          |          |          |    | MVS VS1      |                          | 0      | S      | C      |
| RPQ-P88016  | 8100 DPPX DEVELOPMENT SYSTEM - DPDS      | 5799-AZL     |        | 632     |          |          |          |    | GC27-0505    | OS/V5                    | 1      | S      | C      |
| >RPQ-P90000 | 3650 CICS/V5 EXTENSIONS - 4331 LOOPS     | 5799-BEH     |        | 61      | 45       | 6        | 10       |    |              | DOS/VSE,OS/V51           | 1      | S      | K      |
| >RPQ-P90002 | 4700 FIN SYS COM ONLINE TER SUP COLTS    | 5799-BGB     |        | 50      |          |          |          |    |              | 36/4700                  | 1      | S      | B      |
| >RPQ-S40028 | S/3-12 MLTA                              | 5799-WKH     |        |         |          |          |          |    | GC21-7560    | SYSTEM/3                 | 0      | S      | C      |
| >RPQ-S40028 | S/3-15 MLTA                              | 5799-WFK     |        |         |          |          |          |    | GC21-7560    | SYSTEM/3                 | 0      | S      | C      |
| >RPQ-S40028 | S/3-8,10 MLTA                            | 5799-WAU     |        |         |          |          |          |    | GC21-7560    | SYSTEM/3                 | 0      | S      | C      |
| RPQ-WF0358  | DOS/V5 REMOTE JOB ENTRY WORKSTATION RJE  | 5799-WHX     |        |         |          |          |          |    | GH20-1574    | DOS/V5                   | 0      | S      | C      |
| RPQ-Y96612  | SWIFT BSC EP SUPPORT                     | 5799-AQT     |        | 86      |          |          |          |    | SC19-5017    | TCAM                     | 1      | S      | A      |
| RPQ-Y96614  | SWIFT FOR ACF/NCP/V5 REL 2               | 5799-WRF     |        |         |          |          |          |    | SC19-5016    | 3704/3705                | 0      | S      | S      |
| RPQ-Z06076  | DISPLAY MANAGEMENT SYSTEMS               | 5799-AFD     |        | 4125    |          |          |          | 12 | SH20-1745    | 5799-AHE                 | 2      | I      | B      |
| RPQ-Z06751  | SPECIAL REAL TIME OPERATING SYST - SRTOS | 5799-AHE     |        | 5015    |          |          |          | 12 | SH20-1773    | VS1                      | 2      | I      | B      |
| RPQ-8T0139  | GENERALIZED INFORMATION SYSTEM - GIS     | 5799-ALX     |        | 589     |          |          |          |    | GH19-0082    | DOS/V5,DL/I              | 1      | S      | B      |
| >RPQ-841264 | 1018/1442 COMPATABILITY                  | 5799-WFD     |        |         |          |          |          |    | GC21-5060    | SYSTEM/3                 | 0      | S      | C      |
| >RPS        | COMMUNICATION MONITOR FOR SERIES/1 RPS   | 5799-TGX     |        | 5220    |          |          |          | 01 | GL23-0002    | SERIES/1                 | 1      | S      | C      |
| >RPS        | FORTTRAN IV COMPIL & OBJ SUPPORT LIBRARY | 5719-F01     | R      | 17      |          |          |          |    | GC34-0131    | SERIES/1                 | 1      | S      | C      |
| >RPS        | FORTTRAN IV REALTIME SUBROUTINE LIBRARY  | 5719-F03     | R      | 7       |          |          |          |    | GC34-0140    | SERIES/1                 | 1      | S      | C      |
| >RPS        | FORTTRAN IV REALTIME SUBROU LIBR VER 2   | 5719-F04     | R      | 8       |          |          |          |    | GC34-0140    | SERIES/1                 | 1      | S      | C      |

| KEYWORD    | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >RPS       | IBM AUDIO DISTRIBUTION SYSTEM            | 5719-U20     | R   | 350     |          |          |          |    | GC34-0401    | SERIES/1                 | 1 S E       |
| >RPS       | MATH & FUNCTIONAL SUBROU LIBRARY (MFSL)  | 5719-LM1     | R   | 9       |          |          |          |    | GC34-0138    | SERIES/1                 | 1 S C       |
| >RPS       | MATHEMATICAL AND FUNCTIONAL SUBROUTINE   | 5719-LM2     | R   | 10      |          |          |          |    | GC34-0138    | SERIES/1                 | 1 S C       |
| >RPS       | PACKET NETWORK SUPPORT RPS               | 5799-TCP     | R   | 52      |          |          |          |    |              | SERIES/1                 | 1 S E       |
| >RPS       | PL/I COMPILER AND RESIDENT LIBRARY       | 5719-PL1     | R   | 59      |          |          |          |    | GC34-0084    | SERIES/1                 | 1 S C       |
| >RPS       | PL/I COMPIL & RESIDENT LIBRARY VER 2     | 5719-PL2     | R   | 148     |          |          |          |    | GC34-0281    | SERIES/1                 | 1 S C       |
| >RPS       | PL/I TRANSIENT LIBRARY                   | 5719-PL3     | R   | 7       |          |          |          |    | GC34-0092    | SERIES/1                 | 1 S C       |
| >RPS       | PL/I TRANSIENT LIBRARY VERSION 2         | 5719-PL4     | R   | 28      |          |          |          |    | GC34-0282    | SERIES/1                 | 1 S C       |
| >RPS       | PROG COMM SUBSYSTEM PREPARATION FACILITY | 5719-CS0     | R   | 10      |          |          |          |    | GC34-0183    | SERIES/1                 | 1 S C       |
| >RPS       | PROG COMM SUBSYSTEM EXECUTION SUPPORT    | 5719-CS1     | R   | 8       |          |          |          |    | GC34-0186    | SERIES/1                 | 1 S C       |
| >RPS       | PROG COMM SUBSYS EXTEND EXECU SUPPORT    | 5719-CS2     | R   | 25      |          |          |          |    | GC34-0186    | SERIES/1                 | 1 S C       |
| >RPS       | REALTIME PROGRAMMING SYSTEM              | 5719-PC1     | R   | 25      |          |          |          |    | GC34-0102    | SERIES/1                 | 1 S C       |
| >RPS       | REMOTE JOB ENTRY RPS RJE                 | 5799-TBK     | R   | 38      |          |          |          |    | GC34-1599    | SERIES/1                 | 1 S C       |
| >RPS       | RPS COBOL COMPILER & RESIDENT LIBR V 2   | 5719-CB7     | R   | 118     |          |          |          |    | GC34-0390    | SERIES/1                 | 1 S E       |
| >RPS       | RPS COBOL COMPILER LIBRARY VERSION 2     | 5719-CB8     | R   | 15      |          |          |          |    | GC34-0391    | SERIES/1                 | 1 S E       |
| >RPS       | RPS DISK SPOOLING VERSION 3              | 5799-TCH     | R   | 3       |          |          |          |    | SC34-1594    | SERIES/1                 | 1 S C       |
| >RPS       | RPS INDEXED ACCESS METHOD                | 5719-AM1     | R   | 20      |          |          |          |    | GC34-0292    | SERIES/1                 | 1 S C       |
| >RPS       | RPS INDEXED ACCESS METHOD VER 2          | 5719-AM2     | R   | 38      |          |          |          |    | GC34-0395    | SERIES/1                 | 1 S E       |
| >RPS       | RPS JOB STREAM PROCESSOR                 | 5799-TEC     | R   | 12      |          |          |          |    | GC34-0398    | SERIES/1                 | 1 S E       |
| >RPS       | RPS MULTIPLE TERMINAL MANAGER            | 5799-TCY     | R   | 921     |          |          |          |    | SC34-1658    | SERIES/1                 | 1 S C       |
| >RPS       | RPS MULT TERMINAL MANAGER V 2            | 5799-TDX     |     | 1550    |          |          |          | 12 | GC34-1691    | SERIES/1                 | 1 S E       |
| >RPS       | RPS REMOTE MANAGEMENT UTILITY            | 5799-TDH     | R   | 7       |          |          |          |    | GC34-1663    | SERIES/1                 | 1 S C       |
| >RPS       | RPS SCREEN FORMAT DESIGN AID UTILITY     | 5719-SF1     | R   | 17      |          |          |          |    | GC34-0326    | SERIES/1                 | 1 S C       |
| >RPS       | RPS SCREEN FORMAT PRESENTATION SUPPORT   | 5719-SF2     | R   | 25      |          |          |          |    | GC34-0326    | SERIES/1                 | 1 S C       |
| >RPS       | RPS TRANSIENT ACTIVITY TOOL V 1          | 5799-TDG     | R   | 6       |          |          |          |    | GC34-0286    | SERIES/1                 | 1 S C       |
| >RPS       | RPS VER 4 (WITH CMD LANGUAGE FACILITY)   | 5719-PC4/01  | R   | 62      |          |          |          |    | GC34-0202    | SERIES/1                 | 1 S C       |
| >RPS       | RPS VER 4 (WITHOUT CMD LANG FACILITY)    | 5719-PC4/02  | R   | 48      |          |          |          |    | GC34-0202    | SERIES/1                 | 1 S C       |
| >RPS       | RPS VER 5 (WITH CMD LANGUAGE FACILITY)   | 5719-PC5/01  | R   | 126     |          |          |          |    | GC34-0351    | SERIES/1                 | 1 S E       |
| >RPS       | RPS VER 5 (WITHOUT CMD LANG FACILITY)    | 5719-PC5/02  | R   | 108     |          |          |          |    | GC34-0351    | SERIES/1                 | 1 S E       |
| >RPS       | RPS VERSION 5 SNA EXTENDED SUPPORT       | 5719-SN1     | R   | 74      |          |          |          |    | GC34-0349    | SERIES/1                 | 1 S E       |
| >RPS       | RPS 4978 DISPLAY SUPPORT VER 3           | 5799-TCE     | R   | 3       |          |          |          |    | SC34-1592    | SERIES/1                 | 1 S C       |
| >RPS       | SERIES/1 LETTER WRITER-V1 RPS            | 5799-TEH     | R   | 80      |          |          |          | 12 | GH30-0711    | SERIES/1                 | 1 S E       |
| >RPS       | SERIES/1 LETTER WRITER-V2 RPS            | 5799-TEY     | R   | 100     |          |          |          | 12 |              | SERIES/1                 | 1 S E       |
| >RPS       | SNA REMOTE MANAGEMENT UTILITY RPS        | 5799-TEF     | R   | 9       |          |          |          |    | GC34-1711    | SERIES/1                 | 1 S E       |
| >RPS       | SORT/MERGE                               | 5719-SM1     | R   | 9       |          |          |          |    | GC34-0239    | SERIES/1                 | 1 S C       |
| >RPS       | 370 HOST COBOL FOR SERIES/1 RPS          | 5799-TEP     |     | 1435    |          |          |          | 24 | GC34-1721    | SERIES/1                 | 1 S E       |
| >RPS       | 4969 MAG TAPE SUBSYSTEM SUPPORT          | 5719-TA4     | R   | 25      |          |          |          |    | GC34-0289    | SERIES/1                 | 1 S C       |
| >RPS       | 5250 INFO DISPLAY SYSTEM ATTACH SUPPORT  | 5719-TA1     | R   | 26      |          |          |          |    | GC34-0245    | SERIES/1                 | 1 S C       |
| >RPS QUERY | REALTIME PROGRAMMING SYSTEM QUERY        | 5719-XR2     | R   | 22      |          |          |          |    | GC34-0457    | SERIES/1                 | 1 S E       |
| >RPS/MTM   | S/1 3101/3275 DISP MGR SUBSYS            | 5798-ZZ0     |     | 5750    |          |          |          | 01 |              | SERIES/1                 | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC DSLO LLPS MLPS |     |     |     | GENERAL MO | ENVIRONMENT OR FEATURE # | T I S            |   |   |   |
|------------------|--|--------------|-----|--------------------|-----|-----|-----|------------|--------------------------|------------------|---|---|---|
|                  |  |              |     | FEE                | FEE | FEE | FEE |            |                          | INFO             | P | L | V |
| >RPS/PPS         | PROGRAM PREPARATION SUBSYSTEM            | 5719-AS1     | R   | 23                 |     |     |     |            | GC34-0121                | SERIES/1         | 1 | S | C |
| >RPS/PPS         | PROGRAM PREPARATION SUBSYSTEM VERSION 2  | 5719-AS2     | R   | 25                 |     |     |     |            | GC34-0127                | SERIES/1         | 1 | S | C |
| >RPS/PPS         | PROGRAM PREPARATION SUBSYSTEM VERSION 3  | 5719-AS3     | R   | 28                 |     |     |     |            | GC34-0221                | SERIES/1         | 1 | S | C |
| >RPS/PPS         | PROGRAM PREPARATION SUBSYSTEM VERSION 4  | 5719-AS4     | R   | 30                 |     |     |     |            | GC34-0270                | SERIES/1         | 1 | S | C |
| >RPS/PPS         | PROGRAM PREPARATION SUBSYSTEM VERSION 5  | 5719-AS5     | R   | 120                |     |     |     |            | GC34-0352                | SERIES/1         | 1 | S | E |
| >RPSV2           | REALTIME PROGRAMMING SYSTEM VERSION 2    | 5719-PC2     | R   | 32                 |     |     |     |            | GC34-0114                | SERIES/1         | 1 | S | C |
| >RPSV3           | REALTIME PROGRAMMING SYSTEM VERSION 3    | 5719-PC3     | R   | 40                 |     |     |     |            | GC34-0193                | SERIES/1         | 1 | S | C |
| >RPSV4           | RPS VER 4 (WITHOUT CMD LANG FACILITY)    | 5719-PC4/02  | R   | 48                 |     |     |     |            | GC34-0202                | SERIES/1         | 1 | S | C |
| >RPSV4CL         | RPS VER 4 (WITH CMD LANGUAGE FACILITY)   | 5719-PC4/01  | R   | 62                 |     |     |     |            | GC34-0202                | SERIES/1         | 1 | S | C |
| >RPSV5           | RPS VER 5 (WITHOUT CMD LANG FACILITY)    | 5719-PC5/02  | R   | 108                |     |     |     |            | GC34-0351                | SERIES/1         | 1 | S | E |
| >RPSV5CL         | RPS VER 5 (WITH CMD LANGUAGE FACILITY)   | 5719-PC5/01  | R   | 126                |     |     |     |            | GC34-0351                | SERIES/1         | 1 | S | E |
| RSCS             | REMOTE SPOOLING COMMUNICATION SUBSYSTEM  | 5748-XP1     |     | 84                 | 63  | 28  | 45  |            | GH24-5004                | VM/SP            | 1 | S | K |
| >RTDC TELEPHONE  | S/1 REMOTE TOLL DATA COLLEC              | 5798-NYH     |     | 100                |     |     |     | 12         | GB30-1653                | SERIES/1         | 1 | S | H |
| RUN              | DPPX COBOL RUN TIME LIBRARY              | 5760-LB1     |     | 21                 | 15  | 4   | 6   |            | GC26-3914                | DPPX             | 1 | S | K |
| RUNNING          | DOS TYPE-I PROGRAMS RUNNING WITH DOS/V5  | 5731-AA1     |     |                    |     |     |     |            |                          |                  | 0 | S | S |
| >RUNTIME MONITOR | VIRTUAL COBOL SUBSYSTEM RTM              | 5798-NTF     |     | 46                 |     |     |     | 12         | GB30-1100                | SERIES/1         | 1 | S | H |
| >RUNTIME MONITOR | WATERLOO BASIC COMPILER AND RTM          | 5796-NWL     |     | 110                |     |     |     | 36         | GB30-1310                | SERIES/1         | 1 | S | H |
| >S/3             | S/3 CCP TO S/38 CONVERSION               | 5714-CV7     |     | 2810               |     |     |     | 01         | GC21-7772                | SYSTEM/38        | 0 | S | D |
| S/3              | S/3 CCP TO CICS/V5 SCREEN CONVERSION AID | 5798-CQH     |     | 414                |     |     |     | 01         | GB21-2128                | DOS/V5 DOS/VSE   | 0 | I | H |
| S/3              | S/3 OCL TO DOS/V5 JCL CONVERSION AID     | 5798-CQJ     |     | 600                |     |     |     | 01         | GB21-2130                | ASSEMBLER, V5AM  | 0 | S | H |
| S/3              | S/3 RPG II CONVERSION PREPROCESSOR       | 5735-CV1     |     | 660                |     |     |     | 01         | GH20-4532                | S/3, DOS/V5      | 0 | I | C |
| >S/3             | S/3 SUPPORT FOR 3735                     | 5799-WER     |     |                    |     |     |     |            | GA27-3043                | SYSTEM/3         | 0 | S | C |
| S/3              | S/3 TO DOS RPG II CONVERSION AID         | 5798-CAA     |     | 400                |     |     |     | 01         | GB21-1389                | DOS/V5           | 0 | I | H |
| S/3              | S/3 TO S/370 NUMERIC FIELD EDIT          | 5798-CZD     |     | 650                |     |     |     | 01         | GB21-2423                | DOS/V5           | 0 | I | H |
| S/3              | VSE S/3 3340 DATA IMPORT                 | 5746-AM3     |     | 1320               |     |     |     | 01         | GC33-6062                | DOS/VSE V5AM     | 0 | S | C |
| >S/3 DBT TO S/38 | S/3 DBT TO S/38 CONVER AID               | 5798-NYN     |     | 247                |     |     |     | 01         | GB30-1389                | SYSTEM/3         | 0 | S | H |
| >S/3 TO S/32     | S/3 TO S/32 CONVERSION AID               | 5798-NKT     |     | 345                |     |     |     | 01         | GB30-0977                | SYSTEM/32        | 0 | S | H |
| >S/3 TO 3741 DAT | S/3 TO 3741 DATA TRANSFER                | 5798-AZZ     |     | 62                 |     |     |     | 06         | GB21-1207                | SYSTEM/3         | 1 | I | H |
| >S/3-12          | S/3-12 MLTA                              | 5799-WFK     |     |                    |     |     |     |            | GC21-7560                | SYSTEM/3         | 0 | S | C |
| >S/3-15          | S/3-15 MLTA                              | 5799-WFK     |     |                    |     |     |     |            | GC21-7560                | SYSTEM/3         | 0 | S | C |
| >S/3-15D         | S/3-15D SMF                              | 5799-AYQ     |     | 29                 |     |     |     |            | GC21-5206                | SYSTEM/3         | 1 | S | A |
| >S/3-15D         | S/3-15D DDF                              | 5799-BCQ     |     | 106                |     |     |     |            | GC21-7874                | SYSTEM/3         | 1 | S | A |
| >S/3-8,10        | S/3-8,10 MLTA                            | 5799-WAU     |     |                    |     |     |     |            | GC21-7560                | SYSTEM/3         | 0 | S | C |
| >S/32            | 5230 DATA COLLECT SYS SUPPORT FOR S/32   | 5725-M3A     |     | 63                 |     |     |     |            | GH30-0016                | SYSTEM/32        | 1 | I | C |
| >S/32 TO 3741 DA | SYS/32 TO 3741 DATA TRANSFER             | 5798-NLB     |     | 63                 |     |     |     | 06         | GB30-1004                | SYSTEM/32        | 1 | S | H |
| >S/34            | 5230 DATA COLLECTION SUPPORT FOR S/34    | 5726-M3A     |     | 63                 |     |     |     |            | GH30-0220                | SYSTEM/34        | 1 | I | C |
| >S/34            | 5280 DISTRIBUTION ORDER ENTRY            | 5798-RDF     |     | 35                 |     |     |     | 06         | GB30-1576                | 5280 DATA SYSTEM | 1 | S | H |
| >S/34 TO 5280    | S/34 TO 5280 REPORT TRANSFER             | 5798-RDB     |     | 300                |     |     |     | 01         | GB30-1581                | SYSTEM/34        | 1 | S | H |
| S/370            | D05 DIIT0 EXTENSIONS FOR S/370           | 5798-CAF/01  |     | 50                 |     |     |     | 12         | GB21-2190                | DOS/V5           | 1 | I | H |
| >S/370           | S/1 SPEC TERM INTERFACE PROCESSO         | 5798-RBQ     |     | 120                |     |     |     | 24         |                          | SERIES/1         | 1 | S | H |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|--------------|--------------------------|-------------|
| S/370            | S/3 TO S/370 NUMERIC FIELD EDIT          | 5798-CZD     |     | 650     |          |          |          | 01 GB21-2423 | DOS/VS                   | 0 I H       |
| >S/38            | S/1 COMM CONTROLLER FOR S/38             | 5798-ZZF     |     | 250     |          |          |          | 12 GB30-1579 | SERIES/1                 | 1 S H       |
| >S/38            | S/3 CCP TO S/38 CONVERSION               | 5714-CV7     |     | 2810    |          |          |          | 01 GC21-7772 | SYSTEM/38                | 0 S D       |
| >S/38            | WORK STATION SEARCH FACILITY FOR S/38    | 5714-W51     |     | 690     |          |          |          | 01 GH30-0458 | SYSTEM/38                | 1 S D       |
| >S/38-S/3        | S/38-S/3 BATCH CONVERSION UTILITIES      | 5714-CV1     |     | 872     |          |          |          | 01 GC21-7758 | SYSTEM/38                | 0 S D       |
| SALE             | 3650 POINT OF SALE RETAIL ENVIRONMENT    | 5748-D14     |     | 84      |          |          |          | 48 GC30-3056 | DOS/VS,OS/VS             | 1 S A       |
| SALE             | 3650 POINT OF SALE REPORT CUSTOMIZER     | 5748-D15     |     | 9       |          |          |          | 48 GC30-3054 | 3650                     | 1 S A       |
| >SALEM SCHOOL DI | STUDENT RECORD SYSTEM                    | 5796-AEN     |     | 204     |          |          |          | 12 G320-8078 | SYSTEM/3                 | 1 I H       |
| >SALES           | SALES ANALYSIS DISTRIBUTION              | 5714-D44     |     | 91      | 68       |          |          | GH30-0130    | SYSTEM/38                | 1 I D       |
| >SALES           | SALES ANALYSIS MFG                       | 5714-M48     |     | 77      | 58       |          |          | GH30-0708    | SYSTEM/38                | 1 I D       |
| >SALES           | SALES ANALYSIS                           | 5725-D47     |     | 89      |          |          |          | GH30-0093    | SYSTEM/32                | 1 I D       |
| >SALES           | SALES ANALYSIS LUMBER DEALERS            | 5725-D49     |     | 89      |          |          |          | GH30-0166    | SYSTEM/32                | 1 I D       |
| >SALES           | SALES ANALYSIS FOOD DISTRIBUTORS         | 5725-D6C     |     | 89      |          |          |          | GH30-0156    | SYSTEM/32                | 1 I D       |
| >SALES           | SALES ANALYSIS MFG                       | 5725-M38     |     | 63      |          |          |          | GH30-0039    | SYSTEM/32                | 1 I C       |
| >SALES           | SALES ANALYSIS DISTRIBUTORS              | 5726-D4D     |     | 89      |          |          |          | GH30-0093    | SYSTEM/34                | 1 I D       |
| >SALES           | SALES ANALYSIS LUMBER DEALERS            | 5726-D4H     |     | 89      |          |          |          | GH30-0166    | SYSTEM/34                | 1 I D       |
| >SALES           | SALES ANALYSIS DISTRIBUTORS              | 5726-D44     |     | 93      | 70       |          |          | GH30-0185    | SYSTEM/34                | 1 I D       |
| >SALES           | SALES ANALYSIS FOOD DISTRIBUTORS         | 5726-D68     |     | 89      |          |          |          | GH30-0156    | SYSTEM/34                | 1 I D       |
| >SALES           | SALES ANALYSIS MFG                       | 5726-M38     |     | 63      |          |          |          | GH30-0220    | SYSTEM/34                | 1 I C       |
| >SALES           | SALES ANALYSIS MFG                       | 5726-M48     |     | 93      | 70       |          |          | GH30-0221    | SYSTEM/34                | 1 I D       |
| >SALES           | SALES AUDIT RETAIL                       | 5726-XA2     |     | 238     | 178      |          |          | GH30-0136    | SYSTEM/34                | 1 I D       |
| SALES            | 3680 STORE SYSTEMS SALES APPLICATION     | 5735-D61     |     | 5       |          |          |          | 48 GH20-2461 | DOS/VSE, DOS/VS, OS/VS   | 1 S A       |
| SALES            | 3790 DATA ENTRY FOR MERCHANT SALES DRAFT | 5798-CZL     |     | 625     |          |          |          | 12 GB21-2453 | DOS/VS, OS/VS            | 1 S H       |
| >SALES ANALYSIS  | FOX REAL ESTATE MANAGEMENT               | 5793-AAA     |     | 5520    |          |          |          | 01 GB30-1415 | 5120 SYSTEM              | 1 S H       |
| >SALES ANALYSIS  | ONLINE BICARSA                           | 5798-NHF     |     | 454     |          |          |          | 12 GB30-0842 | SYSTEM/3                 | 1 I H       |
| >SALES ANALYSIS  | S/A FOR DIRECTLY ATTACHED 3741           | 5798-NDN     |     | 69      |          |          |          | 12 GB30-0791 | SYSTEM/3                 | 1 S H       |
| >SALES ANALYSIS  | S/34 ONLINE BICARSA                      | 5798-RFR     |     | 450     |          |          |          | 12 GB30-1667 | SYSTEM/34                | 1 S H       |
| >SALES TRANSACTI | DATA CONVERSION SYSTEM                   | 5798-NXA     |     | 113     |          |          |          | 24 GB30-1290 | SYSTEM/3                 | 1 S H       |
| >SALES TRANSACTI | POINT OF SALE DATA COLLECTION            | 5798-NVA     |     | 258     |          |          |          | 12 GB30-1397 | SERIES/1                 | 1 S H       |
| >SALES TRANSACTI | 5240 POS DATA CONVERSION SYSTEM          | 5798-NVC     |     | 86      |          |          |          | 12 GB30-1348 | 5120 SYSTEM              | 1 S H       |
| SAM              | VSE VSAM SPACE MANAGEMENT FOR SAM        | 5746-AM2/02  |     | 32      | 24       | 7        | 11       | GC24-5143    | 6073-6074                | 1 S K       |
| >SAM             | 8100 SEGMENTED ACCESS METHOD             | 5796-BCQ     |     | 270     |          |          |          | 12 G320-6639 | DPPX,DTMS                | 1 S H       |
| SAM-E            | SEQUENTIAL ACCESS METHOD EXTENDED        | 5740-AM3     |     | 89      | 66       | 5        | 8        | GH20-9122    | MVS                      | 1 S K       |
| >SAS             | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5725-E31     |     | 107     |          |          |          | GH30-0304    | SYSTEM/32                | 1 I C       |
| >SAS             | STUDENT ACCOUNTING SCHOOL ADMINISTRATION | 5725-E32     |     | 119     |          |          |          | GH30-0307    | SYSTEM/32                | 1 I C       |
| >SAS             | STUDENT SCHEDULING SCHOOL ADMINISTRATION | 5725-E33     |     | 142     |          |          |          | GH30-0308    | SYSTEM/32                | 1 I C       |
| >SAS             | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5726-E31     |     | 123     |          |          |          | GH30-0410    | SYSTEM/34                | 1 I D       |
| >SAS             | STUDENT ACCOUNTING SCHOOL ADMINISTRATION | 5726-E32     |     | 136     |          |          |          | GH30-0414    | SYSTEM/34                | 1 I D       |
| >SAS             | STUDENT SCHEDULING SCHOOL ADMINISTRATION | 5726-E33     |     | 163     |          |          |          | GH30-0415    | SYSTEM/34                | 1 I D       |
| >SAVE/RESTORE    | CPS 4963/4966 SAVE/RESTORE               | 5799-TDK     | R   | 15      |          |          |          | 24 GC34-1622 | SERIES/1                 | 1 S C       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO                    | ENVIRONMENT OR FEATURE #     | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|-------------------------------|------------------------------|-------------|
| SAVINGS          | COMMERCIAL BANK SAVINGS ACCOUNTING       | 5746-F62     |     | 330     |          |          |          |                               | GH20-2497 DOS/VSE AND CIF/V5 | 1 S B       |
| SAVINGS          | DEMAND DEPOSIT / SAVINGS MEMO POST       | 5796-AZF     |     | 822     |          |          | 24       | G320-6350 CICS/V5 TO DL/I     | 1 S H                        |             |
| >SAVINGS         | SAVINGS ACCOUNTING BANKING               | 5725-F13     |     | 90      |          |          |          | GH30-0360 SYSTEM/32           | 1 I C                        |             |
| >SAVINGS         | SAVINGS ACCOUNTING BANKING               | 5726-F13     |     | 147     |          |          |          | G360-0050 SYSTEM/34           | 1 I D                        |             |
| SAVINGS          | SAVINGS SYSTEM - BATCH                   | 5796-AZJ     |     | 1165    |          |          | 12       | G320-6386 DL/I DOS/V5         | 1 S H                        |             |
| >SAVINGS ACCTG   | INTEGR CUST ACCT & PROF FOR FIN          | 5798-NEJ     |     | 264     |          |          | 12       | GB30-0763 SYSTEM/3            | 1 I H                        |             |
| >SC-75 INTERFACE | S/1 TEL TOLL DATA COL SC-75              | 5798-RGC     |     | 105     |          |          | 12       | GB30-1653 SERIES/1            | 1 S H                        |             |
| >SCAN            | DL/I FAST SCAN UTILITY FOR DOS/V5        | 5798-CYJ     |     | 195     |          |          | 12       | GB21-2380 DOS/V5 DL/I         | 1 I H                        |             |
| >SCAN            | FAST SCAN UTILITY II                     | 5798-DFN     |     | 920     |          |          | 01       | GB21-2908 OS/V5,IMS/V5        | 0 S H                        |             |
| >SCAN            | ICCF LIBRARY SCAN                        | 5796-PQB     |     | 50      |          |          | 12       | G320-6630 DOS/VSE,ICCF        | 1 S H                        |             |
| SCANS            | GENERAL PURPOSE TAPE AND DISK SCANS      | 5796-AGY     |     | 300     |          |          | 01       | G320-8166 DOS/V5              | 1 S H                        |             |
| >SCHEDULES       | ONLINE STUDENT REG. SYSTEM               | 5798-NWP     |     | 333     |          |          | 12       | GB30-1312 SYSTEM/34           | 1 S H                        |             |
| >SCHEDULES       | S/34 INTERACTIVE STUDENT RECORDS         | 5798-NWF     |     | 172     |          |          | 12       | GB30-1300 SYSTEM/34           | 1 I H                        |             |
| >SCHEDULING      | CHAINED JOBS SCHEDULING                  | 5785-GAK     |     | 858     |          |          | 12       | GB21-2869 OS/V51,OS/MVS JES2  | 1 S H                        |             |
| SCHEDULING       | NURSE SCHEDULING SYSTEM                  | 5796-ANA     |     | 550     |          |          | 12       | G320-5721 DOS/V5,CICS/V5      | 1 S H                        |             |
| >SCHEDULING      | S/34 CALENDAR MANAGEMENT SYSTEM          | 5798-NZB     |     | 316     |          |          | 12       | GB30-1401 SYSTEM/34           | 1 S H                        |             |
| >SCHEDULING      | STUDENT SCHEDULING SCHOOL ADMINISTRATION | 5725-E33     |     | 142     |          |          |          | GH30-0308 SYSTEM/32           | 1 I C                        |             |
| >SCHEDULING      | STUDENT SCHEDULING SCHOOL ADMINISTRATION | 5726-E33     |     | 163     |          |          |          | GH30-0415 SYSTEM/34           | 1 I D                        |             |
| >SCHEDULING      | STUDENT RECORD SYSTEM                    | 5796-AEN     |     | 204     |          |          | 12       | G320-8078 SYSTEM/3            | 1 I H                        |             |
| SCHEDULING       | VEHICLE SCHEDULING PROGRAM - EXTENDED    | 5734-XM5     |     | 221     |          |          |          | GH19-2000 OS/V5               | 1 I C                        |             |
| >SCHEDULING      | VEHICLE SCHEDULING PROGRAM - EXTENDED    | 5736-XM3     |     | 115     |          |          |          | GH19-2000 DOS,DOS/V5          | 1 I C                        |             |
| >SCHEDULING      | VEHICLE MAINTENANCE SCHEDULING           | 5798-AFY     |     | 189     |          |          | 12       | GB21-0325 SYSTEM/3            | 1 I H                        |             |
| >SCHOOL          | ONLINE STUDENT REG. SYSTEM               | 5798-NWP     |     | 333     |          |          | 12       | GB30-1312 SYSTEM/34           | 1 S H                        |             |
| >SCHOOL          | S/34 INTERACTIVE STUDENT RECORDS         | 5798-NWF     |     | 172     |          |          | 12       | GB30-1300 SYSTEM/34           | 1 I H                        |             |
| >SCHOOL          | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5725-E31     |     | 107     |          |          |          | GH30-0304 SYSTEM/32           | 1 I C                        |             |
| >SCHOOL          | STUDENT ACCOUNTING SCHOOL ADMINISTRATION | 5725-E32     |     | 119     |          |          |          | GH30-0307 SYSTEM/32           | 1 I C                        |             |
| >SCHOOL          | STUDENT SCHEDULING SCHOOL ADMINISTRATION | 5725-E33     |     | 142     |          |          |          | GH30-0308 SYSTEM/32           | 1 I C                        |             |
| >SCHOOL          | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5726-E31     |     | 123     |          |          |          | GH30-0410 SYSTEM/34           | 1 I D                        |             |
| >SCHOOL          | STUDENT ACCOUNTING SCHOOL ADMINISTRATION | 5726-E32     |     | 136     |          |          |          | GH30-0414 SYSTEM/34           | 1 I D                        |             |
| >SCHOOL          | STUDENT SCHEDULING SCHOOL ADMINISTRATION | 5726-E33     |     | 163     |          |          |          | GH30-0415 SYSTEM/34           | 1 I D                        |             |
| >SCORING         | EPIC: - FAST EDUCATION TEST SCORING      | 5735-E92     |     | 104     |          |          |          | GH20-1131 SYSTEM/3            | 1 I C                        |             |
| SCREEN           | EXTENDED EDITOR AND FULL SCREEN MANAGER  | 5796-PLY     |     | 68      |          |          |          | G320-6168 VSAPL WITH VM, TSD  | 1 S E                        |             |
| SCREEN           | FILE CABINET OPTION WIDE SCREEN FEATURE  | 5798-CPY/02  |     | 250     |          |          | 24       | GB21-2103 6013-6014           | 1 S H                        |             |
| >SCREEN          | GRAPHPAK FULL SCREEN INTERFACE           | 5796-PPH     |     | 65      |          |          | 12       | G320-6642 OS/V5,VM,VSAPL      | 1 S H                        |             |
| >SCREEN          | RPS SCREEN FORMAT DESIGN AID UTILITY     | 5719-SF1     | R   | 17      |          |          |          | GC34-0326 SERIES/1            | 1 S C                        |             |
| >SCREEN          | RPS SCREEN FORMAT PRESENTATION SUPPORT   | 5719-SF2     | R   | 25      |          |          |          | GC34-0326 SERIES/1            | 1 S C                        |             |
| SCREEN           | S/3 CCP TO CICS/V5 SCREEN CONVERSION AID | 5798-CQH     |     | 414     |          |          | 01       | GB21-2128 DOS/V5 DOS/VSE      | 0 I H                        |             |
| SCREEN           | SCREEN DEFINITION FACILITY / CICS        | 5740-XYF     |     | 278     | 208      | 44       | 70       | GH19-6087 OS/V5               | 1 S K                        |             |
| SCREEN           | SCREEN DEFINITION FACILITY / CICS        | 5746-XXT     |     | 221     | 165      | 44       | 70       | GH19-6087 DOS/VSE             | 1 S K                        |             |
| SCREEN           | VSPC FULL SCREEN EDITOR                  | 5798-CTG     |     | 240     |          |          | 12       | GB21-2227 DOS/V5,OS/V5,VS APL | 1 S H                        |             |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
|                  |  |              |     |         |          |          |          |    |              |                          |             |
| SCREEN           | 3270 FULL SCREEN TSO COBOL SUPPORT       | 5796-ATK     |     | 130     |          |          |          |    | 12 G320-6067 | OS/VS2 (MVS)             | 1 S H       |
| SCREEN           | 3270 SCREEN IMAGE PREPROCESSOR           | 5796-AFC     |     | 123     |          |          |          |    | 12 G320-8099 | OS, OS/VS                | 1 S H       |
| SCREEN           | 3270 SCREEN FORMAT UTILITY               | 5798-CBH     |     | 70      |          |          |          |    | 12 GB21-1441 | MTC5,C1CS,C1CS/VS        | 1 I H       |
| >SCREEN DESIGN   | ONLINE SCREEN DESIGN FACILITY            | 5798-NJK     |     | 402     |          |          |          |    | 01 GB30-0765 | SYSTEM/3                 | 0 S H       |
| >SCREEN DESIGN   | SCREEN DESIGN AID                        | 5798-NRH     |     | 258     |          |          |          |    | 01 GB30-0699 | 5120 SYSTEM              | 0 S H       |
| >SCREEN DESIGN   | 5110/5120 BRADS II SCREEN DESIGN         | 5798-NZQ     |     | 345     |          |          |          |    | 01 GB30-1464 | 5120 SYSTEM              | 1 S H       |
| SCRIPT           | TPNS SCRIPT GENERATOR PRODUCTIVITY AID   | 5798-CPZ     |     | 180     |          |          |          |    | 12 GB21-2106 | 5740-XT4                 | 1 I H       |
| SCRIPT/VS        | DCF FOREGROUND: CMS TSO ATMS III         | 5748-XX9/02  |     | 53      |          |          |          |    | GH20-9158    | 6043-4,6072-3,6076-7     | 1 S L       |
| SCRIPT/VS        | DOCUMENT COMPOSITION FACILITY - DCF      | 5748-XX9/01  |     | 281     |          |          |          |    | GH20-9158    | OS/DOS/VM                | 1 S L       |
| >SCROLLING       | S/1 3101 FULL SCREEN CPS                 | 5798-RFF     | P   | 282     |          |          |          |    | 01 GB30-1639 | SERIES/1                 | 1 S H       |
| >SDA             | UTILITIES SEU SORT WSU SDA               | 5726-UT1     |     | 53      | 40       |          |          |    | GC21-7659    | SYSTEM/34                | 1 S A       |
| SDF/CICS         | SCREEN DEFINITION FACILITY / CICS        | 5740-XYF     |     | 278     | 208      | 44       | 70       |    | GH19-6087    | OS/VS                    | 1 S K       |
| SDF/CICS         | SCREEN DEFINITION FACILITY / CICS        | 5746-XXT     |     | 221     | 165      | 44       | 70       |    | GH19-6087    | DOS/VSE                  | 1 S K       |
| SDLC             | DPPX SDLC AUTO ANSWER                    | 5799-BDE     |     | 23      | 17       |          |          |    |              | 8100/DPPX                | 1 S B       |
| >SDLC            | S/1 COMM CONTROLLER FOR S/38             | 5728-ZZF     |     | 250     |          |          |          |    | 12 GB30-1579 | SERIES/1                 | 1 S H       |
| >SDLC            | S/38 - S/1 COMMUNICATION UTILITY         | 5798-RDY     |     | 50      |          |          |          |    | 12 GB30-1579 | SYSTEM/38                | 1 S H       |
| SDMA             | STORAGE DEVICE MIGRATION AID             | 5796-PHP     |     | 197     |          |          |          |    | G320-5714    | OS, OS/VS                | 1 I E       |
| >SDSF            | SPOOL DISPLAY AND SEARCH FACILITY        | 5798-DGN     | P   | 100     |          |          |          |    | 12 GB21-2865 | MVS/JES2                 | 1 S H       |
| SEARCH           | ALPHA SEARCH INQUIRY SYSTEM              | 5736-N14     |     | 231     |          |          |          |    | GH20-1188    | C1CS/OS/DOS/VS,CMS       | 1 S C       |
| SEARCH           | ALPHA SEARCH INQUIRY - IMS INTERFACE     | 5798-AWB     |     | 670     |          |          |          |    | 12 GB21-0987 | OS                       | 1 I H       |
| SEARCH           | ALPHA SEARCH INQUIRY SYS ONLINE UPDATE   | 5798-CFJ     |     | 400     |          |          |          |    | 12 GB21-1677 | C1CS/DOS/OS/VS,CMS       | 1 S H       |
| >SEARCH          | SPOOL DISPLAY AND SEARCH FACILITY        | 5798-DGN     | P   | 100     |          |          |          |    | 12 GB21-2865 | MVS/JES2                 | 1 S H       |
| SEARCH           | SYSTEM LOG DISPLAY AND SEARCH FACILITY   | 5798-DAL     |     | 116     |          |          |          |    | 12 GB21-2511 | MVS                      | 1 S H       |
| >SEARCH          | WORK STATION SEARCH FACILITY FOR S/38    | 5714-WS1     |     | 690     |          |          |          |    | 01 GH30-0458 | SYSTEM/38                | 1 S D       |
| >SEARCH          | WORK STATION SEARCH FACILITY             | 5726-XR1     |     | 458     |          |          |          |    | 01 G580-0212 | SYSTEM/34                | 0 I B       |
| >SEARCH FACILITY | TERMINAL SEARCH FACILITY                 | 5798-NFD     |     | 81      |          |          |          |    | 06 GB30-0797 | SYSTEM/3                 | 1 S H       |
| >SEARCH/MATCH    | S/1 X-RAY SEARCH/MATCH                   | 5798-RCG     |     | 460     |          |          |          |    | 12 GB30-1381 | SERIES/1                 | 1 S H       |
| SECONDARY        | CAREER GUIDANCE SYSTEM: SECONDARY SCHOOL | 5796-AYB     |     | 250     |          |          |          |    | 24 G320-6176 | 5796-AYA                 | 1 S H       |
| SECONDARY        | MVS SECONDARY OPERATOR FACILITY          | 5798-CRE     |     | 80      |          |          |          |    | 12 GB21-2179 | OS/VS2-MVS               | 1 S H       |
| >SECURITIES      | INVESTMENT ADVISORY                      | 5798-BBW     |     | 362     |          |          |          |    | 12 GB21-1234 | SYSTEM/3                 | 1 I H       |
| SECURITY         | IMS/VS USER SECURITY                     | 5798-CTZ     |     | 150     |          |          |          |    | 12 GB21-2252 | OS/VS1/VS5, VSAM         | 1 S H       |
| >SECURITY FACILI | ONLINE SECURITY FACILITY                 | 5798-NJG     |     | 115     |          |          |          |    | 12 GB30-0900 | SYSTEM/3                 | 1 S H       |
| SEEK             | DASD SEEK SIMULATOR                      | 5798-CTD     |     | 125     |          |          |          |    | 12 GB21-2217 | OS/VS                    | 1 I H       |
| >SEGMENTED       | 8100 SEGMENTED ACCESS METHOD             | 5796-BCQ     |     | 270     |          |          |          |    | 12 G320-6639 | DPPX,DTMS                | 1 S H       |
| SELECT           | UNIVERSAL DUMP, ALTER, COPY, & SELECT    | 5796-BAF     |     | 50      |          |          |          |    | 12 G320-6405 | OS/VS                    | 1 S H       |
| >SELECTION       | ACF/VTAM BUFFER SELECTION AID            | 5798-DHF     |     | 675     |          |          |          |    | 01 GB21-2900 |                          | 1 S H       |
| SELECTIVE        | VSAM SELECTIVE RESTORE                   | 5796-AXL     |     | 75      |          |          |          |    | 12 G320-6156 | VS1                      | 0 S H       |
| SELECTOR         | VTAM LEVEL SELECTOR                      | 5798-DBZ     |     | 63      |          |          |          |    | GB21-2580    | OS/VS-MVS                | 1 S E       |
| >SELF-STUDY      | 5110/5120 BASIC SELF-STUDY COURS         | 5796-ZAA     |     | 661     |          |          |          |    | 01 GB30-1492 | 5120 SYSTEM              | 0 S H       |
| SEP              | LINK CONTROL FDX IATA 3704 SEP           | 5799-AHP     |     | 450     |          |          |          |    |              | ACP                      | 1 B         |

| KEYWORD         | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-----------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| SEPP            | VIRTUAL MACHINE SYSTEM EXTENSIONS VM/SE  | 5748-XE1     |     | 1345    | 1005     | 148      | 237      |    | GC20-1827    | VM/CMS                   | 2 S K       |
| SEQUENTIAL      | EXTENDING SEQUENTIAL DISK FILES          | 5798-CBN     |     | 64      |          |          |          |    | 12 GB21-1456 | DOS/V5                   | 1 I H       |
| SEQUENTIAL      | HDM SEQUENTIAL RANDOM GENERATOR          | 5798-COG     |     | 176     |          |          |          |    | 12 GB21-2126 | OS/V52                   | 0 I H       |
| SEQUENTIAL      | SEQUENTIAL ACCESS METHOD EXTENDED        | 5740-AM3     |     | 89      | 66       | 5        | 8        |    | GH20-9122    | MVS                      | 1 S K       |
| SEQUENTIAL      | 3790 KEY SEQUENTIAL FILE MACROS          | 5798-CRG     |     | 90      |          |          |          |    | 12 GB21-2176 | DOS/V5, OS/V51           | 1 I H       |
| SERIES          | APL FORECASTING & TIME SERIES ANALYSIS   | 5796-PFX     |     | 382     |          |          |          |    | 12 G320-5664 | APL5V,APL/CMS,VSAPL      | 1 I H       |
| SERIES          | APL MULTIVARIATE TIME SERIES ANALYSIS    | 5796-PLX     |     | 400     |          |          |          |    | 12 G320-6169 | VSAPL                    | 1 I H       |
| SERIES/1        | ADVANCED CONTROL SYSTEM - SERIES/1 ACS   | 5799-BEW     |     | 1415    |          |          |          |    | 12           | 5799-AHE                 | 2 S E       |
| >SERIES/1       | COMMUNICATIONS MONITOR FOR SERIES/1      | 5719-CM1     | R   | 139     |          |          |          |    | GL23-0049    | SERIES/1                 | 1 S E       |
| >SERIES/1       | COMMUNICATION MONITOR FOR SERIES/1 RPS   | 5799-TGX     |     | 5220    |          |          |          |    | 01 GL23-0002 | SERIES/1                 | 1 S C       |
| >SERIES/1       | SERIES/1 COMMUNICATIONS FACILITY/HOST    | 5668-979     | P   | 175     |          |          |          |    |              | EDX,OS/V5,DOS/V5E        | 1 S B       |
| >SERIES/1       | SERIES/1 LETTER WRITER-V1 RPS            | 5799-TEH     | R   | 80      |          |          |          |    | 12 GH30-0711 | SERIES/1                 | 1 S E       |
| >SERIES/1       | SERIES/1 LETTER WRITER-V2 RPS            | 5799-TEY     | R   | 100     |          |          |          |    | 12           | SERIES/1                 | 1 S E       |
| >SERIES/1       | 370 HOST COBOL FOR SERIES/1 EDX          | 5799-TEL     |     | 1435    |          |          |          |    | 24 GC34-1720 | SERIES/1                 | 1 S E       |
| >SERIES/1       | 370 HOST COBOL FOR SERIES/1 RPS          | 5799-TEP     |     | 1435    |          |          |          |    | 24 GC34-1721 | SERIES/1                 | 1 S E       |
| >SERVICE        | CUSTOMER SERVICE BILLING DISTRIBUTION    | 5714-D41     |     | 113     | 85       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D       |
| SERVICE         | DPCX EMPLOYMENT SERVICE JOB BROWSE       | 5798-DCY     |     | 90      |          |          |          |    | 12 GB21-2659 | 8100/DPCX                | 1 S H       |
| >SERVICE        | RAMS II STUDENT SERVICE SYSTEM           | 5796-BCR     | P   | 410     |          |          |          |    | 24 G320-6661 | VSE,DL/I,5735-E91        | 1 S H       |
| SERVICE         | SERVICE LEVEL REPORTER                   | 5740-DC3     |     | 507     | 380      | 43       | 68       |    | GH19-6169    | OS/V5                    | 1 I K       |
| >SERVICE MGMT   | S/34 DISTRIB & SERVICE MGMT SYS          | 5796-RBK     |     | 747     |          |          |          |    | 12 GB30-1501 | SYSTEM/34                | 1 S H       |
| >SERVICE ORDERS | PUBLIC UTILITY CUST SERVICE SYS          | 5798-NQG     |     | 287     |          |          |          |    | 12 GB30-1159 | SYSTEM/34                | 1 S H       |
| >SERVICE SYSTEM | PUBLIC UTILITY CUST SERVICE SYS          | 5798-NQG     |     | 287     |          |          |          |    | 12 GB30-1159 | SYSTEM/34                | 1 S H       |
| SERVICING       | CUSTOMER ORDER SERVICING DATA MANAGEMENT | 5785-DCN     |     | 195     |          |          |          |    | GB21-2633    | DOS/V5E,OS/V5            | 1 S E       |
| SERVICING       | CUSTOMER ORDER SERVICING ORDER MANAGEMNT | 5785-DCP     |     | 195     |          |          |          |    | GB21-2633    | DOS/V5E,OS/V5            | 1 S E       |
| SESSION         | TSO EXTENDED DISPLAY SESSION MANAGER     | 5740-XE2     |     | 278     |          |          |          |    | GC28-0911    | MVS/TSO                  | 1 S B       |
| >SET            | ARITHMETIC GAMES SET 1                   | 6024-024     |     | 60      |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >SET            | ARITHMETIC GAMES SET 2                   | 6024-025     |     | 60      |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| SET             | DATA FACILITY DATA SET SERVICES          | 5740-UT3     |     | 67      | 50       | 17       | 27       |    | GC26-3947    | OS/V51,MVS               | 1 S K       |
| >SET            | DATA SET & FREE SPACE MANAGER            | 5796-PPN     |     | 105     |          |          |          |    | 12 G320-6654 | MVS                      | 1 S H       |
| >SET            | PROGRAM & PANEL DATA SET UTILITY         | 5798-DHX     |     | 335     |          |          |          |    | 01 GB21-2928 | DPCX                     | 0 S H       |
| SETUP           | JOB DOCUMENTATION AND OPERATIONS SETUP   | 5796-AVT     |     | 80      |          |          |          |    | 12 G320-6340 | DOS/V5E                  | 1 S H       |
| >SEU            | UTILITIES SEU SORT WSU SDA               | 5726-UT1     |     | 53      | 40       |          |          |    | GC21-7659    | SYSTEM/34                | 1 S A       |
| >SEU            | UTILITIES SUBSET WSU EXEC SORT DFU       | 5726-UT2     |     | 660     |          |          |          |    | 01 GC21-9033 | SYSTEM/34                | 1 S A       |
| >SHARE DRAFT    | CREDIT UNION SYSTEM                      | 5798-NNY     |     | 460     |          |          |          |    | 24 GB30-1083 | SYSTEM/34                | 1 S H       |
| SHARED          | GLOBAL SHARED ACCESS METHOD              | 5796-ATX     |     | 300     |          |          |          |    | 24 G320-6083 | OS/V52, SU7              | 1 S H       |
| >SHARED         | VIRTUAL SYSTEM TIME SHARED I/O FOR VSAPL | 5798-DEN     | P   | 210     |          |          |          |    | 12 GB21-2741 | TSO,VSAPL                | 1 S H       |
| >SHARED         | VSE/POWER SHARED SPOOLING                | 5666-273/02  |     | 38      | 28       | 7        | 11       |    | GH12-5131    |                          | 1 S K       |
| SHARED          | VSE/POWER SHARED SPOOLING                | 5746-XE3/03  |     | 38      | 28       | 7        | 11       |    | GH12-5131    | 6075-6079                | 1 S K       |
| >SHEET          | BRADS II SPREAD SHEET GENERATOR          | 5721-XB7     |     | 58      |          |          |          |    | 12 GB30-1412 | 5120 SYSTEM              | 1 S C       |
| >SHEET          | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5668-968     |     | 184     |          |          |          |    | GH20-2467    | OS/V5,IMS/CICS/V5        | 1 S B       |



| KEYWORD         | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-----------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| SHEET           | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5746-F53     |     | 158     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| >SHIP           | SHIP CTRL FOR SUPPLIERS TO THE AUTO IND  | 5725-M44     |     | 77      |          |          |          |    | GH30-0013    | SYSTEM/32                | 1 S C       |
| SHOP            | COPICS SHOP ORDER RELEASE II             | 5798-DCQ     |     | 230     |          |          |          |    | GB21-2648    | DOS/VSE,OS/V5 DL/I       | 1 S E       |
| >SHOP           | SHOP LOADING AND CONTROL MFG.            | 5702-M51     |     | 215     |          |          |          |    | GH20-1240    | SYSTEM/3                 | 1 I B       |
| SHOP            | 8100 / 3640 SHOP FLOOR CONTROL SYSTEM    | 5796-BRR     |     | 345     |          |          |          | 12 | G320-6432    | DDPX                     | 1 S H       |
| >SHOPWELL, INC. | SUPERMARKET ENERGY MANAGEMENT            | 5796-NQC     | P   | 90      |          |          |          |    | 12 GB30-1132 | SERIES/1                 | 1 S H       |
| >SIDE-BY-SIDE   | 3800 SIDE-BY-SIDE PAGE PROCESSOR         | 5798-DFW     |     | 65      |          |          |          |    | 12 GB21-2816 | OS/V5                    | 1 S H       |
| SIMULATION      | DPPX DTMS DPS TRANSACTION SIMULATION     | 5798-DDP     |     | 95      |          |          |          | 12 | GB21-2701    | 8100/DPPX                | 1 S H       |
| SIMULATION      | GENERAL PURPOSE SIMULATION SYSTEM V OS   | 5734-X52     |     | 63      |          |          |          |    | GH20-0825    | OS,OS/V5                 | 1 I C       |
| SIMULATION      | GENERAL PURPOSE SIMULATION SYSTEM V DOS  | 5736-X53     |     | 63      |          |          |          |    | GH20-0826    | DOS,DOS/V5               | 1 I C       |
| SIMULATION      | GENERAL PURPOSE SIMULATION SYSTEM VSAPL  | 5796-PJG     |     | 90      |          |          |          | 24 | G320-5745    | 5748-AP1                 | 1 I H       |
| SIMULATION      | PL/I GENERAL PURPOSE SIMULATION SYSTEM   | 5796-PNN     |     | 149     |          |          |          | 24 | G320-6398    | VM/CMS,MVS               | 1 S H       |
| SIMULATOR       | BATCH TERMINAL SIMULATOR II              | 5796-P6T     |     | 230     |          |          |          |    | G320-5686    | IMS/V5 V1R2              | 1 S E       |
| SIMULATOR       | BATCH TERMINAL - TP NETWORK SIMULATOR    | 5798-CXJ     |     | 110     |          |          |          | 12 | GB21-2328    | TPNS BTS IMS/V5          | 1 I H       |
| SIMULATOR       | CICS 3270 SIMULATOR                      | 5798-AXC     |     | 65      |          |          |          | 12 | GB21-1035    | CICS/OS/DOS/V5           | 1 S H       |
| SIMULATOR       | DASD SEEK SIMULATOR                      | 5798-CTD     |     | 125     |          |          |          |    | 12 GB21-2217 | OS/V5                    | 1 I H       |
| SIMULATOR       | PROGRAM FUNCTION KEY SIMULATOR FOR SPF-2 | 5798-CTF     |     | 77      |          |          |          | 12 | GB21-2225    | TSO SPF-II 5740-XT8      | 1 S H       |
| SIMULATOR       | PROGRAM FUNCTION KEY SIMULATOR SPF/CMS   | 5798-DBK     |     | 90      |          |          |          | 12 | GB21-2556    | VM/CMS,5748XT3           | 1 S H       |
| >SIMULATOR      | TELEPROCESSING NETWORK SIMULATOR         | 5662-262     |     | 1450    |          |          |          |    | GH20-2487    | OS/V5                    | 1 I B       |
| SIMULATOR       | TELEPROCESSING NETWORK SIMULATOR         | 5740-XT4     |     | 1430    |          |          |          |    | GH20-1907    | OS/V5                    | 1 I B       |
| SIMULATOR       | VM/CMS LIBRARY & SPMOL-II SIMULATOR      | 5798-CVA     |     | 95      |          |          |          | 12 | GB21-2361    | VM/CMS                   | 1 S H       |
| SIMULTANEOUS    | SIMULTANEOUS PRINTING 3650 TRANSACTIONS  | 5798-CZK     |     | 25      |          |          |          | 12 | GB21-2469    | DOS/V5                   | 1 S H       |
| SIPD/E          | DOS/VSE SYSTEM IPO/E - DB/DC             | 5750-AAA     |     | *       | *        | *        | *        |    | GC20-1935    | DOS/VSE                  | ** *        |
| SIPD/E          | DOS/VSE SYSTEM IPO/E - DC                | 5750-AAAB    |     | *       | *        | *        | *        |    | GC20-1935    | DOS/VSE                  | ** *        |
| SIPD/E          | DOS/VSE SYSTEM IPO/E - BATCH INTERACTIVE | 5750-AAAC    |     | *       | *        | *        | *        |    | GC20-1935    | DOS/VSE                  | ** *        |
| >SIPD/E         | VM/SP SYSTEM IPO/E                       | 5750-AAK     |     | *       | *        | *        | *        |    | GC20-1890    | VM/SP                    | ** *        |
| SKILLS          | ENGLISH COMMUNICATIONS SKILLS II         | 5796-BBT     |     | 385     |          |          |          | 12 | G320-6433    | IIS,IIPS                 | 1 L H       |
| >SL-MATH        | SUBROUTINE LIBRARY - MATH                | 5725-XM1     |     | 94      |          |          |          |    | GH30-0182    | SYSTEM/32                | 1 S B       |
| SL-MATH         | SUBROUTINE LIBRARY - MATHEMATICS         | 5736-XM7     |     | 110     |          |          |          |    | GH12-5103    | DOS/V5                   | 1 S C       |
| SLR             | SERVICE LEVEL REPORTER                   | 5740-DC3     |     | 507     | 380      | 43       | 68       |    | GH19-6169    | OS/V5                    | 1 I K       |
| SLSS            | SYSTEMS LIBRARY SUBSCRIPTION SVC CONTROL | 5798-CTE     |     | 68      |          |          |          | 12 | GB21-2222    | OS/V5                    | 1 I H       |
| >SMALL          | SMALL SYSTEM EXECUTIVE/VSE               | 5666-265     | R   | 1000    | 750      | 90       | 144      |    | GC33-6143    |                          | 2 S K       |
| SMF             | MSS TRACE SMF CORRELATION AID            | 5796-PJX     |     | 125     |          |          |          | 24 | G320-5810    | OS/V5                    | 1 I H       |
| >SMF            | S/3-15D SMF                              | 5799-AYQ     |     | 29      |          |          |          |    | GC21-5206    | SYSTEM/3                 | 1 S A       |
| SMF             | SMF GRAPHICAL ANALYSIS PROGRAM           | 5796-AFP     |     | 200     |          |          |          | 12 | G320-8127    | VS1,VS2,MFT,MVT          | 1 I H       |
| SMF             | SMF JOB DATA COMPRESSION AID             | 5796-PHN     |     | 132     |          |          |          |    | G320-5714    | OS, OS/V5                | 1 I E       |
| SMU             | DL/I SPACE MANAGEMENT UTILITIES          | 5796-PKF     |     | 79      |          |          |          |    | G320-6072    | DOS/V5 DL/I              | 1 S E       |
| SMU II          | IMS SPACE MANAGEMENT UTILITIES II        | 5796-PJJ     |     | 140     |          |          |          |    | G320-5753    | IMS/V5 V1R2              | 1 S E       |
| >SNA            | EDX SYSTEM NETWORK ARCHITECT             | 5719-SX1     | R   | 51      |          |          |          |    | SC34-0402    | SERIES/1                 | 1 S E       |
| >SNA            | EDX SYSTEM NETWORK ARCHITECT RJE         | 5719-SX2     | R   | 25      |          |          |          |    | SC34-0402    | SERIES/1                 | 1 S E       |

| KEYWORD         | PROGRAM INFORMATION                      | ORDER       | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT                      | T | I | S   |
|-----------------|--|-------------|---|------|------|------|------|-----------|----------------------------------|---|---|-----|
|                 |  | NUMBER      | C | SEE  | SEE  | SEE  | MO   | INFO      | OR FEATURE #                     | P | L | V   |
| >SNA            | HOST/370 STORE & FORWARD 5520            | 5798-RHA    |   | 1000 |      |      |      | 12        | GB30-1690                        |   | 1 | S H |
| >SNA            | RPS VERSION 5 SNA EXTENDED SUPPORT       | 5719-SN1    | R | 74   |      |      |      |           | GC34-0349 SERIES/1               |   | 1 | S E |
| >SNA            | SNA REMOTE MANAGEMENT UTILITY RPS        | 5799-TEF    | R | 9    |      |      |      |           | GC34-1711 SERIES/1               |   | 1 | S E |
| >SNA/RJE        | SNA/RJE PRINT OUTPUT ANALYSIS            | 5798-CXH    |   | 110  |      |      |      | 12        | GB21-2326 OS/V5                  |   | 1 | I H |
| >SOCRATES       | EPIC SOCRATES                            | 5735-E91    |   | 211  |      |      |      |           | GH20-1129 DOS/OS                 |   | 1 | I C |
| >SOCRATES       | EPIC: - SOCRATES EDUCATION               | 5735-E91    |   | 242  |      |      |      |           | GH20-1129 SYSTEM/3               |   | 1 | I B |
| >SOCRATES       | EPIC: SOCRATES ONLINE MAINT SYSTEM       | 5796-AQW    |   | 220  |      |      | 12   | 6320-5814 | DOS/V5, CICS/V5                  |   | 1 | S H |
| >SOFTCOPY       | SOFTCOPY - A CADAM (R) DRAWING VIEWER    | 5796-PNP    |   | 293  |      |      |      |           | G320-6388 MVS-TSO, VM/CMS, 3277G |   | 1 | S E |
| >SOFTWARE       | ACCOUNTS PAYABLE / PEACHTREE SOFTWARE    | 6024-007    |   | 595  |      |      |      | 01        | GX20-2397 IBM PERSONAL COMPUTR   | 0 | S | H   |
| >SOFTWARE       | DISKETTE SOFTWARE                        | 6024-001    |   | 40   |      |      |      | 01        | GX20-2397 IBM PERSONAL COMPUTR   | 0 | S | H   |
| >SOFTWARE       | GENERAL LEDGER / PEACHTREE SOFTWARE      | 6024-008    |   | 595  |      |      |      | 01        | GX20-2397 IBM PERSONAL COMPUTR   | 0 | S | H   |
| >SOFTWARE HOOKS | SERIES/1 ESS/1 WITH HOOKS                | 5796-RBB    | P | 345  |      |      |      | 12        | GB30-1474 SERIES/1               |   | 1 | S H |
| >SOLID          | POLYHEDRAL SOLID GEOMETRY                | 5796-PQJ    |   | 420  | 300  |      |      |           | G320-6650 OS/V5                  |   | 1 | S E |
| >SOLVER         | BUSINESS ANALYSIS -BASIC PROB SOLVER LIB | 5721-DC5    |   | 603  |      |      |      | 01        | GH30-0394 5120 SYSTEM            |   | 3 | L C |
| >SOLVER         | BUSINESS ANAL/PROB SOLVER LIBRARY        | 5721-XM3    |   | 603  |      |      |      | 01        | G580-0042 5100 SYSTEM            |   | 3 | L C |
| >SOLVER         | MATH - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC6    |   | 603  |      |      |      | 01        | GH30-0395 5120 SYSTEM            |   | 3 | L C |
| >SOLVER         | PRINT PLOT - PROBLEM SOLVER LIB BASIC    | 5721-DC3    |   | 575  |      |      |      | 01        | GC21-5191 5120 SYSTEM            |   | 3 | L C |
| >SOLVER         | PRINT PLOT - APL PROBLEM SOLVER LIBRARY  | 5721-DC4    |   | 575  |      |      |      | 01        | GC21-5190 5120 SYSTEM            |   | 3 | L C |
| >SOLVER         | STAT - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC7    |   | 603  |      |      |      | 01        | GH30-0396 5120 SYSTEM            |   | 3 | L C |
| >SOLVING        | STATISTICAL PROBLEM SOLVING              | 5725-XA1    |   | 94   |      |      |      |           | GH30-0181 SYSTEM/32              |   | 1 | S B |
| >SORT           | CCP DISK SORT MODEL 12                   | 5799-ATG    |   | 43   |      |      |      |           | SC21-7522 SYSTEM/3               |   | 1 | S C |
| >SORT           | CCP DISK SORT MODEL 15ABC                | 5799-ATH    |   | 43   |      |      |      |           | SC21-7522 SYSTEM/3               |   | 1 | S C |
| >SORT           | CCP/DISK SORT MOD 6                      | 5703-SM2    |   | 17   |      |      |      |           | GC21-7522 SYSTEM/3               |   | 1 | S C |
| >SORT           | CCP/DISK SORT - 15D                      | 5704-SM7    |   | 29   |      |      |      |           | SC21-7522 SYSTEM/3               |   | 1 | S A |
| >SORT           | CCP/DISK SORT MODEL 8 & 10               | 5799-ATF    |   | 43   |      |      |      |           | SC21-7522 SYSTEM/3               |   | 1 | S C |
| >SORT           | CMS SORT FOR VM/CMS                      | 5798-BDW/01 |   | 78   |      |      | 12   | 6B21-1376 | VM/CMS                           |   | 1 | S H |
| >SORT           | CMS SORT EXTENSIONS                      | 5798-BDW/02 |   | 30   |      |      | 12   | 6B21-1376 | 9564-9565                        |   | 1 | S H |
| >SORT           | CONVERSION REFORMAT UTILITY              | 5714-CV2    |   | 15   | 11   |      |      |           | GC21-7778 SYSTEM/38              |   | 1 | S A |
| >SORT           | DISK SORT MOD 8/10 DISK                  | 5702-SM1/01 |   | 12   |      |      |      |           | SC21-7522 SYSTEM/3               |   | 1 | S C |
| >SORT           | DISK SORT MOD 6                          | 5703-SM1    |   | 12   |      |      |      |           | SC21-7522 SYSTEM/3               |   | 1 | S C |
| >SORT           | DISK SORT - 15ABC                        | 5704-SM1    |   | 64   |      |      |      |           | SC21-7522 SYSTEM/3               |   | 1 | S C |
| >SORT           | DISK SORT - 15D                          | 5704-SM9    |   | 102  |      |      |      |           | SC21-7522 SYSTEM/3               |   | 1 | S A |
| >SORT           | DISK SORT MOD 12                         | 5705-SM1    |   | 54   |      |      |      |           | GC21-5083 SYSTEM/3               |   | 1 | S C |
| >SORT           | DOS SORT MERGE                           | 5743-SM1    |   | 43   |      |      |      |           | GC33-4020 DOS                    |   | 1 | S C |
| >SORT           | DOS/V5 SORT MERGE                        | 5746-SM1    |   | 68   |      |      |      |           | GC33-4030 DOS/V5                 |   | 1 | S C |
| >SORT           | DOS/V5 SORT MERGE VERSION 2              | 5746-SM2    |   | 101  | 76   | 11   | 18   |           | GC33-4043 DOS/V5, VM/SP/CMS      |   | 1 | S K |
| >SORT           | DPPX SORT MERGE                          | 5760-SM1    |   | 28   | 21   | 12   | 19   |           | GC26-3931 DPPX                   |   | 1 | S K |
| >SORT           | MICR DOCUMENT FINE SORT                  | 5798-BCN    |   | 183  |      |      | 12   | 6B21-1327 | DOS/V5                           |   | 1 | I H |
| >SORT           | OS SORT / MERGE                          | 5734-SM1    |   | 66   |      |      |      |           | GC33-4022 OS/MFT/MVT/V5          |   | 1 | S C |
| >SORT           | OS/V5 SORT MERGE                         | 5740-SM1    |   | 231  | 173  | 16   | 26   |           | GC33-4033 OS/V5                  |   | 1 | S K |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| SORT             | SORT PATTERN GENERATOR                   | 5798-CAH     |     | 216     |          |          |          | 12         | GB21-1410 OS/V51               | 1 S H       |
| >SORT            | TAPE SORT PROGRAM MOD 10 CARD            | 5701-SM1     |     | 87      |          |          |          |            | GC21-5040 SYSTEM/3             | 1 S C       |
| >SORT            | TAPE SORT PROGRAM MOD 8/10 DISK          | 5702-SM2     |     | 87      |          |          |          |            | SC21-7572 SVSTEM/3             | 1 S C       |
| >SORT            | TAPE SORT - 15ABC                        | 5704-SM2     |     | 152     |          |          |          |            | SC21-7572 SYSTEM/3             | 1 S C       |
| >SORT            | TAPE SORT - 15D                          | 5704-SMB     |     | 174     |          |          |          |            | SC21-7572 SYSTEM/3             | 1 S A       |
| >SORT            | TAPE SORT MOD 12                         | 5705-SM2     |     | 93      |          |          |          |            | GC21-5138 SYSTEM/3             | 1 S C       |
| >SORT            | UTILITIES SEU SORT WSU SDA               | 5726-UT1     |     | 53      | 40       |          |          |            | GC21-7659 SYSTEM/34            | 1 S A       |
| >SORT            | UTILITIES SUBSET WSU EXEC SORT DFU       | 5726-UT2     |     | 660     |          |          |          | 01         | GC21-9033 SYSTEM/34            | 1 S A       |
| SORT             | 3741 SORT PROGRAM                        | 5798-CHB     |     | 265     |          |          |          | 01         | GB21-1776 3741                 | 1 S H       |
| SORT             | 3770 SORT PROGRAM                        | 5798-CNY     |     | 80      |          |          |          | 12         | GB21-2050 3770 MACROS          | 1 S H       |
| SORT             | 3890 CYCLE SORT                          | 5798-CHD     |     | 549     |          |          |          | 12         | GB21-1781 DOS/V5               | 1 I H       |
| SORT             | 3890 DOS/V5 OFFLINE SORT                 | 5798-CFD/01  |     | 124     |          |          |          | 12         | GB21-1662 DOS/V5 5798-BDC      | 1 S H       |
| SORT             | 3890 DOS/V5E OFFLINE FINE SORT II        | 5798-CFD/02  |     | 88      |          |          |          | 12         | GB21-1662 9560-9561            | 1 S H       |
| SORT             | 3890 DOS/V5 CYCLE SORT                   | 5798-CQX     |     | 408     |          |          |          | 12         | GB21-2165 DOS/V5, 5798-BDC     | 1 S H       |
| SORT             | 3890 OS/V5 OFFLINE FINE SORT             | 5798-BDY/01  |     | 144     |          |          |          | 12         | GB21-1383 OS/V5                | 1 S H       |
| SORT             | 3890 OS/V5 OFFLINE SORT ENHANCEMENTS     | 5798-BDY/02  |     | 94      |          |          |          | 12         | GB21-1383 9526-9527            | 1 S H       |
| SORT             | 3890 ONLINE FINE SORT - OS/V5/CPCS       | 5798-CRC     |     | 900     |          |          |          | 12         | GB21-2170 OS/V5                | 1 S H       |
| SORT             | 3890 ONLINE FINE SORT - DOS/V5           | 5798-CWR     |     | 845     |          |          |          | 12         | GB21-2276 DOS/V5 DOS/V5E REL   | 1 S H       |
| SORT             | 3890 STATEMENT PREPARATION SORT          | 5798-ALP     |     | 300     |          |          |          | 12         | G320-5715 OS/V51               | 1 S H       |
| >SORT/MERGE      | CPS SORT/MERGE                           | 5799-TAT     | R   | 6       |          |          |          | 24         | SC34-1560 SERIES/1             | 1 S C       |
| >SORT/MERGE      | EDX SORT/MERGE                           | 5719-SM2     | R   | 10      |          |          |          |            | GL23-0015 SERIES/1             | 1 S C       |
| >SORT/MERGE      | SORT/MERGE                               | 5708-SM1     |     | 12      | 9        |          |          |            | GC21-7794 5280 DATA SYSTEM     | 1 S A       |
| >SORT/MERGE      | SORT/MERGE                               | 5719-SM1     | R   | 9       |          |          |          |            | GC34-0239 SERIES/1             | 1 S C       |
| SORT/MERGE       | 8100 DPCX 3790 SORT/MERGE PROGRAM        | 5798-DAF     |     | 35      |          |          |          | 12         | GB21-2501 DOS/V5E OS/V5        | 1 S H       |
| SOURCE           | AUDIT SOURCE CODE COMPARE                | 5796-PDF     |     | 90      |          |          |          | 12         | G320-5532 DOS/V5               | 1 I H       |
| SOURCE           | DOS SOURCE STATEMENT LIBRARY MAINTENANCE | 5798-AWD     |     | 70      |          |          |          | 06         | GB21-0999 DOS COBOL            | 1 I H       |
| SOURCE           | SOURCE COMPARE AUDIT UTILITY             | 5796-PLZ     |     | 100     |          |          |          | 24         | G320-6163 V51 VM/CMS MVS       | 1 I H       |
| SOURCE           | SOURCE PROGRAM MAINTENANCE ONLINE II SPM | 5798-CFT/01  |     | 172     |          |          |          |            | GB21-1696 DOS/V5,OS/V5 CICS/V5 | 1 S E       |
| >SOURCE ANALYZER | COBOL SOURCE ANALYZER                    | 5798-ALX     |     | 18      |          |          |          | 12         | GB21-0737 SYSTEM/3             | 1 I H       |
| >SOURCE CODE     | S/38 SOURCE ARCHIVE                      | 5798-RFD     |     | 60      |          |          |          | 06         | GB30-1630 SYSTEM/38            | 1 S H       |
| >SOURCE CONVERSI | S/3 TO S/38 BATCH CONVERSION AID         | 5798-RBC     |     | 690     |          |          |          | 01         | GB30-1504 SYSTEM/38            | 0 S H       |
| >SOURCE LIBRARY  | CCP SOURCE LIBRARY MAINT SYS             | 5798-NDR     |     | 98      |          |          |          | 06         | GB30-0715 SYSTEM/3             | 1 S H       |
| >SOURCE LIBRARY  | O/L SOURCE LIBRARY MAINT SYSTEM          | 5798-NKY     |     | 143     |          |          |          | 06         | GB30-0979 SYSTEM/3             | 1 S H       |
| >SOURCE LISTINGS | PROGRAM DOCUMENTATION AID                | 5796-NXP     |     | 345     |          |          |          | 01         | GB30-1333 5120 SYSTEM          | 0 S H       |
| >SOURCE LISTINGS | S/34 COBOL CONVERS AID-FROM NCR          | 5798-NYR     |     | 900     |          |          |          | 01         | GB30-1433 SYSTEM/34            | 0 S H       |
| SP               | VM SYSTEM PRODUCT - SP & XEDIT           | 5664-167     |     | 330     | 247      | 50       | 80       |            | GC20-1838 VM/CMS REL 6         | 2 S K       |
| >SPACE           | DATA SET & FREE SPACE MANAGER            | 5796-PPN     |     | 105     |          |          |          | 12         | G320-6654 MVS                  | 1 S H       |
| SPACE            | DL/I SPACE MANAGEMENT UTILITIES          | 5796-PKF     |     | 79      |          |          |          |            | G320-6072 DOS/V5 DL/I          | 1 S E       |
| SPACE            | DOS DATA BASE GUIDE & SPACE ESTIMATES    | 5798-DFJ     |     | 35      |          |          |          | 12         | GB21-2798 DOS/V5,DOS/V5E       | 1 S H       |
| SPACE            | DOS/V5 DASD SPACE UTILIZATION ANALYSIS   | 5798-CHW     |     | 64      |          |          |          | 12         | GB21-1810 DOS/V5               | 1 S H       |

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER  | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #         | T I S P L V |
|----------------|--|---------------|-----|---------|----------|----------|----------|------------|----------------------------------|-------------|
| SPACE          | IMS SPACE MANAGEMENT UTILITIES II        | 5796-PJJ      |     | 140     |          |          |          |            | IMS/V5 V1R2                      | 1 S E       |
| SPACE          | VSE VSAM SPACE MANAGEMENT FOR SAM        | 5746-AM2/02   |     | 32      | 24       | 7        | 11       |            | GC24-5143 6073-6074              | 1 S K       |
| SPARC          | 3650 STORE ACCOUNTING REPORT CUSTOMIZER  | 5798-CWG      |     | 71      |          |          |          |            | GB21-2273 DOS/V5 ANS COBOL       | 1 S H       |
| SPARE          | PLANT MAINTENANCE SPARE PARTS MANAGEMENT | 5787-NAE      |     | 800     |          |          |          |            | 12 G320-6402 DOS/VSE CICS DL/I   | 1 S H       |
| >SPECIAL       | ENERGY 3 SPECIAL FEATURE (6000/1)        | 5719-U12/02 R |     | 66      |          |          |          |            | 48 GH30-0094 SERIES/1            | 1 S C       |
| >SPECIAL       | ENERGY SPECIAL FEATURE (6000/1)          | 5719-U14/02 R |     | 66      |          |          |          |            | 48 GH30-0094 SERIES/1            | 1 S C       |
| SPECIAL        | SPECIAL REAL TIME OPERATING SYST - SRTOS | 5799-AHE      |     | 5015    |          |          |          |            | 12 SH20-1773 VS1                 | 2 I B       |
| SPECIAL        | 8100 3640 SPECIAL SUPPORT SUBROUTINES    | 5798-DEJ      |     | 40      |          |          |          |            | 12 GB21-2719 8100/DPPX-COBOL     | 1 S H       |
| >SPECIFICATION | S/34 ONLINE PRINTER SPEC AID             | 5798-RFA      |     | 50      |          |          |          |            | 06 GB30-1619 SYSTEM/34           | 1 S H       |
| SPF            | SYSTEM PRODUCTIVITY FACILITY             | 5668-009      |     | 226     | 169      | 36       | 58       |            | GC34-2039 MVS/TSO, VM/SP         | 1 S K       |
| SPF II TSO     | STRUCTURED PROGRAMMING FACILITY / TSO    | 5740-XT8      |     | 589     |          |          |          |            | GH20-1974 OS/V52, 3270 DISPLAY   | 1 I B       |
| SPF/CMS        | PROGRAM FUNCTION KEY SIMULATOR SPF/CMS   | 5798-DBK      |     | 90      |          |          |          |            | 12 GB21-2556 VM/CMS, 5748XT3     | 1 S H       |
| SPM            | SPM II FILE COMPRESSION REPORTING SYSTEM | 5796-AVG      |     | 65      |          |          |          |            | 12 G320-6332 DOS/VSE             | 1 S H       |
| SPM            | SPM II WITH AUDITING AND ARCHIVING       | 5798-CFT/02   |     | 53      |          |          |          |            | GB21-1619 6005-6006              | 1 S E       |
| SPMOL II       | SOURCE PROGRAM MAINTENANCE ONLINE II SPM | 5798-CFT/01   |     | 172     |          |          |          |            | GB21-1696 DOS/V5, OS/V5 CICS/V5  | 1 S E       |
| SPMOL II       | SPM II WITH AUDITING AND ARCHIVING       | 5798-CFT/02   |     | 53      |          |          |          |            | GB21-1619 6005-6006              | 1 S E       |
| SPMOL-II       | VM/CMS LIBRARY & SPMOL-II SIMULATOR      | 5798-CYA      |     | 95      |          |          |          |            | 12 GB21-2361 VM/CMS              | 1 S H       |
| SPOOL          | HASP-JES2 SPOOL TRANSFER PROGRAM         | 5798-CKJ      |     | 480     |          |          |          |            | 06 GB21-1903 OS/MFT/MVT/SVS/MVS  | 0 I H       |
| >SPOOL         | ITS PRINT SPOOL                          | 5798-NXD      |     | 92      |          |          |          |            | 12 GB30-1305 SERIES/1            | 1 S H       |
| >SPOOL         | SPOOL DISPLAY AND SEARCH FACILITY        | 5798-DGN      | P   | 100     |          |          |          |            | 12 GB21-2865 MVS/JES2            | 1 S H       |
| >SPOOL         | 8100 DPPX SPOOL OUTPUT TRANSCRIPTION     | 5798-DHW      |     | 600     |          |          |          |            | 01 GB21-2926 DPPX                | 1 S H       |
| >SPOOL FILE    | S/34 RPG II COMPIL & SPOOL FILE          | 5796-RFP      |     | 375     |          |          |          |            | 01 GB30-1647 SYSTEM/34           | 1 S H       |
| SPOOLED        | VIRTUAL SPOOLED READER DISPLAY/CMS       | 5796-AYK      |     | 80      |          |          |          |            | 12 G320-6338 VM/CMS              | 1 S H       |
| SPOOLING       | CONSOLE SPOOLING UNDER POWER/V5          | 5798-CPQ      |     | 80      |          |          |          |            | 12 GB21-2084 DOS/V5              | 1 S H       |
| >SPOOLING      | CPS DISK SPOOLING                        | 5799-TAY      | R   | 3       |          |          |          |            | 24 SC34-1563 SERIES/1            | 1 S C       |
| >SPOOLING      | MODEL 15D TERMINAL PRINTING SYS          | 5798-NTZ      |     | 230     |          |          |          |            | 06 GB30-1002 SYSTEM/3            | 1 S H       |
| >SPOOLING      | PRINT SPOOLING SYSTEM FOR CICS           | 5785-DCW      |     | 255     |          |          |          |            | 12 GB21-2970 VSE, OS/V5, CICS/V5 | 1 S H       |
| SPOOLING       | REMOTE SPOOLING COMMUNICATION SUBSYSTEM  | 5748-XP1      |     | 84      | 63       | 28       | 45       |            | GH24-5004 VM/SP                  | 1 S K       |
| >SPOOLING      | RPS DISK SPOOLING VERSION 3              | 5799-TCH      | R   | 3       |          |          |          |            | SC34-1594 SERIES/1               | 1 S C       |
| SPOOLING       | VM/CMS SPOOLING FOR LOCAL 328X PRINTER   | 5796-PKZ      |     | 60      |          |          |          |            | 12 G320-6073 VM/CMS              | 1 S H       |
| >SPOOLING      | VSE/POWER SHARED SPOOLING                | 5666-273/02   |     | 38      | 28       | 7        | 11       |            | GH12-5131                        | 1 S K       |
| SPOOLING       | VSE/POWER SHARED SPOOLING                | 5746-XE3/03   |     | 38      | 28       | 7        | 11       |            | GH12-5131 6075-6079              | 1 S K       |
| SPPS           | 3650 PSS SPPS II                         | 5744-DA1      |     |         |          |          |          |            | GC30-9535 OS/V5                  | 0 S N       |
| SPPS           | 3650 PROGRAMMABLE STORE SYSTEM SPPS      | 5747-CJ2      |     |         |          |          |          |            | GC30-9535 DOS/V5                 | 0 S N       |
| SPPS II        | 3650 SUBSYSTEM PROGRAM PREP SUPPORT II   | 5735-D16      |     | 400     | 300      | 22       | 35       |            | GC30-9524 DOS/VSE, OS/V5         | 1 S K       |
| >SPREAD        | BRADS II SPREAD SHEET GENERATOR          | 5721-XB7      |     | 58      |          |          |          |            | 12 GB30-1412 5120 SYSTEM         | 1 S C       |
| SQL/DS         | SQL / DATA SYSTEM - RELATIONAL STRUCTURE | 5748-XXJ      |     | 345     | 258      | 105      | 168      |            | GH24-5012 DOS/V5E & VSE/VSAM     | 2 S K       |
| >SSP           | SYSTEM SUPPORT PROGRAM (SSP)             | 5726-SS1/01   |     | 152     | 114      |          |          |            | GC21-7702 SYSTEM/34              | 1 S A       |
| >SSP           | SYSTEM SUPPORT PROGRAM SUBSET PRECONFIG  | 5726-SS2      |     | 1800    |          |          |          |            | 01 GC21-9032 SYSTEM/34           | 1 S A       |
| SSP            | SYSTEM SUPPORT PROGRAM FOR ACF/NCP/V5    | 5735-XX3      |     | 55      | 41       | 16       | 25       |            | GC30-3058 DOS/VSE, OS/V5         | 2 S K       |

| KEYWORD           | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #         | T I S P L V |
|-------------------|--|--------------|-----|---------|----------|----------|----------|------------|----------------------------------|-------------|
| SSS               | SUBSYSTEM SUPPORT SERVICES               | 5747-CC6     |     |         |          |          |          |            | DOS/VS                           | 0 S N       |
| SSS               | SYSTEM SUPPORT SERVICES                  | 5744-CJ1     |     |         |          |          |          |            | VS                               | 0 S S       |
| >SSX/VSE          | SMALL SYSTEM EXECUTIVE/VSE               | 5666-265     | R   | 1000    | 750      | 90       | 144      |            | GC33-6143                        | 2 S K       |
| >SSX/VSE          | SSX/VSE RPG II COMPILER                  | 5666-274     |     |         | 131      | 98       | 5        | 8          | GC33-6143 SSX/VSE                | 1 S K       |
| >SSX/VSE          | SSX/VSE DL/I                             | 5666-275     |     |         | 372      | 279      | 110      | 176        | GC33-6143 SSX/VSE                | 2 S K       |
| >SSX/VSE          | SSX/VSE PL/I OPTIMIZER & LIBRARY         | 5666-276     |     |         | 322      | 241      | 41       | 66         | GC33-6143 SSX/VSE                | 1 S K       |
| >SSX/VSE          | SSX/VSE PL/I TRANSIENT LIBRARY           | 5666-277     |     |         | 32       | 24       | 5        | 8          | GC33-6143 SSX/VSE                | 1 S K       |
| >ST JOSEPHS HOSP  | O/L MED RECORDS SYS - 12/15/15D          | 5796-NRB     |     |         | 288      |          |          |            | 12 GB30-1198 SYSTEM/3            | 1 S H       |
| STAGING           | 3650 RETAIL TRANSACTION STAGING          | 5798-DDQ     |     |         | 215      |          |          |            | 12 GB21-2703 OS/VS, VSE 5748-D14 | 1 S H       |
| STAIRS            | STAIRS INPUT FORMATTER                   | 5740-XV9/03  |     |         | 208      |          |          |            | GH12-5124 6109-6110              | 2 S B       |
| STAIRS            | STAIRS/VS TRAINING COURSE                | 5796-PLF     |     |         | 250      |          |          |            | 12 G320-6078 IIS, IIPS           | 1 L H       |
| STAIRS            | STAIRS TO ATMS TRANSFER EXTENDED         | 5798-DEE     |     |         | 105      |          |          |            | 12 GB21-2731 CICS/OS-DOS/VS      | 1 S H       |
| STAIRS/CMS        | STORAGE & INFORMATION RETRIEVAL SYSTEM   | 5785-CAH     |     |         | 250      |          |          |            | GB21-2767 VM/CMS                 | 1 S E       |
| STAIRS/VS         | STAIRS/VS MULTIPLE INVERTED KEYS         | 5785-DCE     |     |         | 500      |          |          |            | 12 GB21-2657 OS/VS               | 1 S H       |
| STAIRS/VS         | STAIRS/VS TRAINING COURSE                | 5796-PLF     |     |         | 250      |          |          |            | 12 G320-6078 IIS, IIPS           | 1 L H       |
| STAIRS/VS         | STAIRS/VS THESAURUS RETRIEVAL - TLS      | 5799-AQK     |     |         | 417      |          |          |            | GH20-1908 VS1, VS2, STAIRS/VS    | 1 S B       |
| STAIRS/VS         | STAIRS/VS THESAURUS GENERATOR - TLS      | 5799-AQL     |     |         | 175      |          |          |            | GH20-1908 OS/VS1, OS/VS2         | 1 S C       |
| STAIRS/VS         | STORAGE & INFORMATION RETRIEVAL SYSTEM   | 5740-XR1     |     |         | 1020     |          |          |            | GH12-5114 OS/VS1, OS/VS2         | 2 S B       |
| STAIRS/VS         | STORAGE & INFORMATION RETRIEVAL SYSTEM   | 5746-XR4     |     |         | 834      |          |          |            | GH20-1832 CICS/DOS/VS            | 2 S B       |
| >STAND-ALONE      | STAND-ALONE DISK UTILITIES               | 5719-SC2     |     |         |          |          |          |            | GC34-0070 SERIES/1               | 0 S C       |
| STANDALONE        | STANDALONE DEVICE SUPPORT FACILITIES     | 5747-DS1     |     |         |          |          |          |            | GC26-3946 DIRECT ACCESS DEVICE   | 0 S S       |
| >STANDARD TRUCKI  | VEHICLE MAINT/PARTS INVENTORY            | 5796-NNN     |     |         | 460      |          |          |            | 12 GB30-1067 SYSTEM/32           | 1 S H       |
| >STAT             | INTELLIGENT REMOTE STAT SUPPORT          | 5799-AXL     |     |         | 106      |          |          |            | SC21-7747 SYSTEM/3               | 1 S D       |
| >STAT             | STAT - BASIC PROBLEM SOLVER LIBRARY      | 5721-DC7     |     |         | 603      |          |          |            | 01 GH30-0396 5120 SYSTEM         | 3 L C       |
| >STAT             | STAT - BASIC                             | 5721-XA1     |     |         | 603      |          |          |            | 01 GH30-0043 5100 SYSTEM         | 3 L C       |
| >STAT             | STAT - APL                               | 5721-XA2     |     |         | 603      |          |          |            | 01 GH30-0042 5100 SYSTEM         | 3 L C       |
| STAT              | STAT / BASIC                             | 5734-XA3     |     |         | 55       |          |          |            | GH20-1027 ITF(DOS/OS/TSO), VS    | 1 S C       |
| >STAT/BASIC       | STAT/BASIC MOD 6                         | 5703-XA1     |     |         | 53       |          |          |            | GH20-1027 SYSTEM/3               | 1 S C       |
| STATE             | DL/I - CICS/VS TEST PROG. STATE INDUST.  | 5796-ARN     |     |         | 85       |          |          |            | 12 G320-6053 DOS/VS              | 1 S H       |
| >STATE GOVERNMENT | PUBLIC BUDGETING & FINANCIAL REP         | 5728-NFC     |     |         | 379      |          |          |            | 12 GB30-0956 SYSTEM/3            | 1 S H       |
| >STATE GOVT.      | ENHANCEMENTS TO PUB BUDG/FIN REP         | 5798-NKF     |     |         | 81       |          |          |            | 12 GB30-0956 SYSTEM/3            | 1 S H       |
| >STATE/LOCAL      | MUNICIPAL BUDGETING & ACCTG SYS          | 5798-AEN     |     |         | 379      |          |          |            | 12 GB21-0280 SYSTEM/3            | 1 S H       |
| STATEMENT         | DOS SOURCE STATEMENT LIBRARY MAINTENANCE | 5798-AWD     |     |         | 70       |          |          |            | 06 GB21-0999 DOS COBOL           | 1 I H       |
| STATEMENT         | 3890 STATEMENT PREPARATION SORT          | 5796-ALP     |     |         | 300      |          |          |            | 12 G320-5715 OS/VS1              | 1 S H       |
| >STATSMAN LIFE    | STATSMAN--ALPHA SEARCH                   | 5796-NRZ     |     |         | 86       |          |          |            | 24 GB30-0638 SYSTEM/3            | 1 S H       |
| >STATION          | WORK STATION SEARCH FACILITY FOR S/38    | 5714-WS1     |     |         | 690      |          |          |            | 01 GH30-0458 SYSTEM/38           | 1 S D       |
| >STATION          | WORK STATION SEARCH FACILITY             | 5726-XR1     |     |         | 458      |          |          |            | 01 G580-0212 SYSTEM/34           | 0 I B       |
| >STATION          | WORK STATION SUPPORT SUBROUT             | 5799-AYW     |     |         | 18       | 12       |          |            | GC21-7808 SYSTEM/34              | 1 S A       |
| >STATION          | 4978/4979 DISPLAY STATION CPS            | 5799-TAK     | R   |         | 7        |          |          |            | 24 GC34-1575 SERIES/1            | 1 S C       |
| >STATION          | 4979 DISPLAY STATION CPS                 | 5799-TAE     | R   |         | 2        |          |          |            | 24 SC34-1554 SERIES/1            | 1 S C       |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|----------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >STATION/DEBUG | CPS OPER STATION/DEBUG PACK              | 5799-TBB     | R   | 10      |          |          |          |    | 24 SC34-1562 | SERIES/1                 | 1 S C       |
| STATISTICAL    | ADVANCED STATISTICAL ANALYSIS            | 5796-PBH     |     | 1350    |          |          |          |    | 24 G320-8063 | OS/MFT/VM/VS             | 2 I H       |
| STATISTICAL    | APL STATISTICAL LIBRARY                  | 5796-PHM     |     | 240     |          |          |          |    | 12 G320-5688 | VSAPL                    | 1 I H       |
| >STATISTICAL   | STATISTICAL PROBLEM SOLVING              | 5725-XA1     |     | 94      |          |          |          |    | GH30-0181    | SYSTEM/32                | 1 S B       |
| STATISTICAL    | STATISTICAL DATA MODULE                  | 5796-ATG     | R   | 32      | 18       |          |          |    | G320-6063    | OS/VS,VM/CMS             | 1 S E       |
| STATISTICS     | VSAPL ADVANCED STATISTICS LIBRARY        | 5796-PJT     |     | 212     |          |          |          |    | 12 G320-5811 | VSAPL                    | 1 I H       |
| STATLIB2       | VSAPL ADVANCED STATISTICS LIBRARY        | 5796-PJT     |     | 212     |          |          |          |    | 12 G320-5811 | VSAPL                    | 1 I H       |
| >STATUS        | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5668-968     |     | 184     |          |          |          |    | GH20-2467    | OS/VS,IMS/CICS/VS        | 1 S B       |
| STATUS         | FINANCIAL: STATUS - P&L BALANCE SHEET    | 5746-F53     |     | 158     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1 S B       |
| >STATUS        | INVENTORY AND STOCK STATUS PROCESSING    | 5701-M41     |     | 63      |          |          |          |    | GH20-0741    | SYSTEM/3                 | 1 I C       |
| >STATUS        | INVENTORY CONTROL STOCK STATUS           | 5725-D45     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D       |
| >STATUS        | PRODUCTION STATUS & COSTING MFG          | 5725-M31     |     | 63      |          |          |          |    | GH30-0037    | SYSTEM/32                | 1 I C       |
| >STATUS        | PRODUCTION STATUS AND COSTING MFG        | 5726-M31     |     | 63      |          |          |          |    | GH30-0220    | SYSTEM/34                | 1 I C       |
| STATUS         | VIDEO/370 ONLINE STATUS DISPLAY          | 5798-CJA     |     | 104     |          |          |          |    | 12 GB21-1840 | DOS/VS,OS/VS             | 1 S H       |
| STATUTORY      | STATUTORY GAAP VALUATION SYS             | 5796-AJR     |     | 1040    |          |          |          |    | 12 G320-5663 | DOS/VS                   | 1 I H       |
| >STOCK         | INVENTORY AND STOCK STATUS PROCESSING    | 5701-M41     |     | 63      |          |          |          |    | GH20-0741    | SYSTEM/3                 | 1 I C       |
| >STOCK         | INVENTORY CONTROL STOCK STATUS           | 5725-D45     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D       |
| >STOCK MARKET  | S/23 DATAMASTER DOW JONES NEWS           | 5798-RGQ     |     | 275     |          |          |          |    | 01 GB30-1684 | VS9/23 DATAMASTER        | 1 I H       |
| STORAGE        | CIRCUIT BOARD DESIGN DATA STORAGE SYSTEM | 5796-BBP     |     | 598     |          |          |          |    | G320-6431    | VM/CMS 5796-BBL          | 1 S E       |
| STORAGE        | DIRECT ACCESS STORAGE DEVICE MIGRATION   | 5668-002     |     | 1150    |          |          |          |    | 01 GC26-3972 | OS/VS,5740-SM1           | 0 I C       |
| STORAGE        | DIRECT ACCESS STORAGE DUMP RESTORE       | 5740-UT1     |     | 157     |          |          |          |    | GH20-9116    | OS/VS1,OS/VS2,OS/MFT     | 1 S C       |
| STORAGE        | DIRECT ACCESS STORAGE CONVERSION AID     | 5798-CLQ     |     | 2250    |          |          |          |    | 01 GB21-1990 | OS/VS                    | 0 S H       |
| STORAGE        | DOS / VIRTUAL STORAGE EXTENDED           | 5745-030     |     |         |          |          |          |    | GC33-6108    |                          | 0 S J       |
| STORAGE        | IMS/VS VIRTUAL STORAGE ANALYSIS          | 5798-CNC     |     | 60      |          |          |          |    | 12 GB21-2002 | OS/VS                    | 1 S H       |
| STORAGE        | MASS STORAGE SYSTEM EXTENSIONS FOR 3850  | 5740-XYG     |     | 261     | 195      | 40       | 64       |    | GH35-0034    | OS/VS,MVS/XA             | 1 S K       |
| STORAGE        | MASS STORAGE TABLE MAINTENANCE PROGRAM   | 5796-PHY     |     | 197     |          |          |          |    | G320-5742    | VS1,VS2                  | 1 I E       |
| STORAGE        | MVS HIERARCHICAL STORAGE MANAGER         | 5740-XRB     |     | 420     | 315      | 94       | 150      |    | GH35-0007    | MVS                      | 1 S K       |
| STORAGE        | MVS VIRTUAL STORAGE MONITOR              | 5798-DEL     |     | 60      |          |          |          |    | 12 GB21-2721 | MVS,5740-XY4             | 1 S H       |
| STORAGE        | OPERATING SYSTEM / VIRTUAL STORAGE 2     | 5742-017     |     |         |          |          |          |    | GC28-0601    |                          | 0 S C       |
| STORAGE        | STORAGE & INFORMATION RETRIEVAL SYSTEM   | 5740-XR1     |     | 1020    |          |          |          |    | GH12-5114    | OS/VS1,OS/VS2            | 2 S B       |
| STORAGE        | STORAGE & INFORMATION RETRIEVAL SYSTEM   | 5746-XR4     |     | 834     |          |          |          |    | GH20-1832    | CICS/DOS/VS              | 2 S B       |
| STORAGE        | STORAGE & INFORMATION RETRIEVAL SYSTEM   | 5785-CAH     |     | 250     |          |          |          |    | GB21-2767    | VM/CMS                   | 1 S E       |
| STORAGE        | STORAGE DEVICE MIGRATION AID             | 5796-PHP     |     | 197     |          |          |          |    | G320-5714    | OS,OS/VS                 | 1 I E       |
| STORAGE        | VIRTUAL STORAGE PERSONAL COMPUTING - V2  | 5665-283     |     | 1635    | 1225     | 160      | 256      |    | GH20-9192    | MVS                      | 1 S K       |
| STORAGE        | VIRTUAL STORAGE PERSONAL COMPUTING       | 5740-XR6     |     | 1265    | 948      | 220      | 352      |    | GH20-9070    | MVS                      | 1 S K       |
| STORAGE        | 3277 GRAPHICS ATTACHMENT STORAGE TUBE    | 5798-DAG     |     | 51      |          |          |          |    | 12 GB21-2503 | MVS/TSD VM/CMS           | 1 S H       |
| STORAGE        | 3850 CARTRIDGE OFF-SITE STORAGE SYSTEM   | 5796-AWZ     |     | 180     |          |          |          |    | 12 G320-6166 | VS1                      | 1 S H       |
| STORE          | DIRECT STORE VENDOR DELIVERY CONTROL     | 5796-BBE     |     | 655     |          |          |          |    | 24 G320-6423 | DOS/VS CICS DL/I         | 1 S H       |
| STORE          | PHARMACY APPLICATION STORE ENVIRONMENT   | 5735-H11     |     | 48      |          |          |          |    | GH20-2189    | DOS/VSE,OS/VS            | 1 S A       |
| STORE          | RETAIL STORE SYSTEM HOST SUPPORT         | 5744-RQ1     |     |         |          |          |          |    | GC30-3022    | OS/VS1                   | 0 S S       |

| KEYWORD           | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #        | T I S P L V |
|-------------------|--|--------------|-----|---------|----------|----------|----------|------------|---------------------------------|-------------|
| STORE             | STORE SYSTEM INSTALLATION AIDS           | 5770-SA1     |     |         |          |          |          |            | DOS/V5,DOS/V5E                  | 0 S B       |
| STORE             | STORE SYSTEM INSTALLATION AIDS           | 5770-SA2     |     |         |          |          |          |            | OS/V5                           | 0 S B       |
| STORE             | 3650 PROGRAMMABLE STORE SYSTEM COBOL     | 5740-CB2     |     | 254     | 190      | 8        | 13       |            | GC30-3059 OS/V5                 | 1 S K       |
| STORE             | 3650 PROGRAMMABLE STORE SYSTEM COBOL     | 5746-CB2     |     | 186     | 139      | 8        | 13       |            | GC30-3059 DOS/V5                | 1 S K       |
| STORE             | 3650 PROGRAMMABLE STORE SYSTEM SPPS      | 5747-CJ2     |     |         |          |          |          |            | GC30-9535 DOS/V5                | 0 S N       |
| STORE             | 3650 RETAIL STORE SYSTEM                 | 5744-BQ3     |     |         |          |          |          |            | GC30-9512 OS/V5                 | 0 S S       |
| STORE             | 3650 RETAIL STORE SYSTEM                 | 5747-BJ3     |     |         |          |          |          |            | GC30-9514 DOS/V5                | 0 S N       |
| STORE             | 3650 STORE DATA MANAGEMENT               | 5748-D22     |     | 21      |          |          |          | 48         | GH20-2150 DOS/V5,OS/V51,MVS     | 1 S A       |
| STORE             | 3650 STORE ACCOUNTING REPORT CUSTOMIZER  | 5798-CMG     |     | 71      |          |          |          | 12         | GB21-2273 DOS/V5 ANS COBOL      | 1 S H       |
| STORE             | 3650 STORE MERCHANDISE MANAGEMENT        | 5798-DCB     |     | 1305    |          |          |          | 01         | GB21-2583 OS/V5,DOS/V5          | 1 S H       |
| STORE             | 3650 STORE RESOURCE MANAGEMENT SYSTEM    | 5798-DDD     |     | 1585    |          |          |          | 01         | GB21-2591 OS/V5,DOS/V5          | 1 S H       |
| STORE             | 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | 5744-D16     |     |         |          |          |          |            | GC30-3060 OS/V5                 | 0 S J       |
| STORE             | 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | 5747-D16     |     |         |          |          |          |            | GC30-9536 DOS/V5E               | 0 S N       |
| STORE             | 3660 SUPERMARKET STORE SYSTEM            | 5744-BR2     |     |         |          |          |          |            | GC30-9504 OS/V5                 | 0 S S       |
| STORE             | 3660 SUPERMARKET STORE SYSTEM            | 5747-BK2     |     |         |          |          |          |            | GH30-3025 DOS/V5                | 0 S S       |
| STORE             | 3680 STORE SYSTEMS SALES APPLICATION     | 5735-D61     |     | 5       |          |          |          | 48         | GH20-2461 DOS/V5E,DOS/V5,OS/V51 | 1 S A       |
| STORE             | 3680 STORE SYSTEMS ADMINISTRATION        | 5735-D62     |     | 10      |          |          |          | 48         | GH20-2461 DOS/V5E,DOS/V5,OS/V51 | 1 S A       |
| >STORE & FORWARD  | H0ST/370 STORE & FORWARD 5520            | 5798-RHA     |     | 1000    |          |          |          | 12         | GB30-1690                       | 1 S H       |
| STORES            | ADVANCED DATA COMMUNICATION FOR STORES   | 5735-XR2     |     | 208     |          |          |          |            | GH20-2188                       | 1 S E       |
| STORES            | 3650 RETAIL STORES SYSTEM                | 5747-BJ1     |     |         |          |          |          |            | GC30-3023 DOS/V5                | 0 S S       |
| >STRATEGIC PROFIT | S/34 STRATEGIC PROFIT MODEL              | 5798-NZR     |     | 287     |          |          |          | 01         | GB30-1424 SYSTEM/34             | 1 S H       |
| STREAM            | DPPX 3270 DATA STREAM COMPATIBILITY      | 5760-RC1     |     | 21      | 15       | 28       | 45       |            | GC27-0400 DPPX                  | 1 S K       |
| >STREAM           | RPS JOB STREAM PROCESSOR                 | 5799-TEC     | R   | 12      |          |          |          |            | GC34-0398 SERIES/1              | 1 S E       |
| >STRIP & BAR      | S/34 STRIP & BAR CUTTING OPTIMIZ         | 5798-NZC     |     | 75      |          |          |          | 12         | GB30-1406 SYSTEM/34             | 1 S H       |
| STRUCTURE         | APL WORKSPACE STRUCTURE ANALYZER         | 5796-PNB     |     | 170     |          |          |          | 12         | G320-6170 VSAPL                 | 1 S H       |
| STRUCTURE         | DATA BASE STRUCTURE MAPPING / VS         | 5796-PCY     |     | 288     |          |          |          | 01         | G320-1538 OS/V51/VS2,IMS/V5     | 0 S H       |
| >STRUCTURED       | STRUCTURED PROGRAM FACILITY MVS/VTAM     | 5719-CR1     |     | 265     |          |          |          | 24         | GC34-1636 SERIES/1              | 1 S C       |
| >STRUCTURED       | STRUCTURED PROGRAM FACILITY MVS/TCAM     | 5719-CR2     |     | 265     |          |          |          | 24         | GC34-1637 SERIES/1              | 1 S C       |
| >STRUCTURED       | STRUCTURED PROGRAMMING FACILITY          | 5719-ED1     | R   | 265     |          |          |          | 24         | GC34-1623 SERIES/1              | 1 S C       |
| STRUCTURED        | STRUCTURED PROGRAMMING FACILITY / TSO    | 5740-XT8     |     | 589     |          |          |          |            | GH20-1974 OS/V52, 3270 DISPLAY  | 1 I B       |
| STRUCTURED        | STRUCTURED PROGRAMMING MACROS            | 5798-CLF     |     | 55      |          |          |          | 12         | GB21-1957 ASSEMBLERS            | 1 S H       |
| >STUDENT          | EPIC: - STUDENT EDUCATION                | 5735-E94     |     | 87      |          |          |          |            | GH20-1130 SYSTEM/3              | 1 I C       |
| STUDENT           | ONLINE STUDENT REGISTRATION SYSTEM       | 5796-AMW     |     | 450     |          |          |          | 24         | G320-5751 DOS/V5, CICS/V5       | 1 I H       |
| >STUDENT          | RAMS II STUDENT SERVICE SYSTEM           | 5796-BCR     | P   | 410     |          |          |          | 24         | G320-6661 VSE,DL/I,5735-E91     | 1 S H       |
| >STUDENT          | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5725-E31     |     | 107     |          |          |          |            | GH30-0304 SYSTEM/32             | 1 I C       |
| >STUDENT          | STUDENT ACCOUNTING SCHOOL ADMINISTRATION | 5725-E32     |     | 119     |          |          |          |            | GH30-0307 SYSTEM/32             | 1 I C       |
| >STUDENT          | STUDENT SCHEDULING SCHOOL ADMINISTRATION | 5725-E33     |     | 142     |          |          |          |            | GH30-0308 SYSTEM/32             | 1 I C       |
| >STUDENT          | STUDENT RECORDS SCHOOL ADMINISTRATION    | 5726-E31     |     | 123     |          |          |          |            | GH30-0410 SYSTEM/34             | 1 I D       |
| >STUDENT          | STUDENT ACCOUNTING SCHOOL ADMINISTRATION | 5726-E32     |     | 136     |          |          |          |            | GH30-0414 SYSTEM/34             | 1 I D       |
| >STUDENT          | STUDENT SCHEDULING SCHOOL ADMINISTRATION | 5726-E33     |     | 163     |          |          |          |            | GH30-0415 SYSTEM/34             | 1 I D       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT DR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| >STUDENT RECORD  | STUDENT RECORD SYSTEM                    | 5796-AEN     |     | 204     |          |          |          | 12 6320-8078    | SYSTEM/3                 | 1 I H       |
| >STUDENT RECORDS | S/34 INTERACTIVE STUDENT RECORDS         | 5798-NWF     |     | 172     |          |          |          | 12 6B30-1300    | SYSTEM/34                | 1 I H       |
| >STUDENT REGISTR | ONLINE STUDENT REG. SYSTEM               | 5798-NWP     |     | 333     |          |          |          | 12 6B30-1312    | SYSTEM/34                | 1 S H       |
| >STUDENT TRNG    | S/34 COMPUTER ASSISTED TRNG II           | 5798-NZA     |     | 130     |          |          |          | 06 6B30-1481    | SYSTEM/34                | 1 S H       |
| >STUDENTS        | S/34 COMPUTER ASSISTED TRAINING          | 5798-NPE     |     | 115     |          |          |          | 06 6B30-1104    | SYSTEM/34                | 1 S H       |
| >SUBMISSION      | 3760 AUTOMATED DOS/VS JOB SUBMISSION     | 5796-AWA     |     | 60      |          |          |          | 12 6320-6085    | DOS/VS, 5747-BW1         | 1 S H       |
| >SUBROU          | FORTRAN IV REALTIME SUBROU LIBR VER 2    | 5719-F04     | R   | 8       |          |          |          | GC34-0140       | SERIES/1                 | 1 S C       |
| >SUBROU          | MATH & FUNCTIONAL SUBROU LIBRARY (MFSL)  | 5719-LM1     | R   | 9       |          |          |          | GC34-0138       | SERIES/1                 | 1 S C       |
| >SUBROUT         | WORK STATION SUPPORT SUBROUT             | 5799-AYW     |     | 18      | 12       |          |          | GC21-7808       | SYSTEM/34                | 1 S A       |
| >SUBROUTINE      | DOS/VS CHAINED CCM PRINT SUBROUTINE      | 5796-ARH     |     | 350     |          |          | 01       | 6320-5828       | DOS/VS                   | 1 S H       |
| >SUBROUTINE      | EDX MATH & FUNCTIONAL SUBROUTINE LIBRARY | 5719-LM3     | R   | 10      |          |          |          | GC34-0137       | SERIES/1                 | 1 S C       |
| >SUBROUTINE      | FORTRAN IV REALTIME SUBROUTINE LIBRARY   | 5719-F03     | R   | 7       |          |          |          | GC34-0140       | SERIES/1                 | 1 S C       |
| >SUBROUTINE      | MATHEMATICAL AND FUNCTIONAL SUBROUTINE   | 5719-LM2     | R   | 10      |          |          |          | GC34-0138       | SERIES/1                 | 1 S C       |
| >SUBROUTINE      | SUBROUTINE LIBRARY - MATH                | 5725-XM1     |     | 94      |          |          |          | GH30-0182       | SYSTEM/32                | 1 S B       |
| >SUBROUTINE      | SUBROUTINE LIBRARY - MATHEMATICS         | 5736-XM7     |     | 110     |          |          |          | GH12-5103       | DOS/VS                   | 1 S C       |
| >SUBROUTINE      | VM/SP GRAPHIC SUBROUTINE PACKAGE         | 5796-PPR     |     | 80      |          |          | 24       | 6320-6657       | VM/SP                    | 1 S H       |
| >SUBROUTINES     | VSAM ACCESS SUBROUTINES                  | 5796-AJW     |     | 675     |          |          | 01       | 6320-8161       | OS/VS1-2                 | 1 S H       |
| >SUBROUTINES     | VSAM ACCESS SUBROUTINES                  | 5796-AJX     |     | 607     |          |          | 01       | 6320-8161       | DOS/VS                   | 1 S H       |
| >SUBROUTINES     | 1130 FORTRAN COMMERCIAL SUBROUTINES      | 5798-BCT     |     | 73      |          |          | 12       | 6B21-1318       | DOS/VS                   | 1 S H       |
| >SUBROUTINES     | 8100 3640 SPECIAL SUPPORT SUBROUTINES    | 5798-DEJ     |     | 40      |          |          | 12       | 6B21-2719       | 8100/DPPX-COBOL          | 1 S H       |
| >SUBR08          | S/34 MICR PROGRAM GENERATOR              | 5798-RBE     |     | 63      |          |          | 12       | 6B30-1476       | SYSTEM/34                | 1 S H       |
| >SUBR25          | S/34 MICR PROGRAM GENERATOR              | 5798-RBE     |     | 63      |          |          | 12       | 6B30-1476       | SYSTEM/34                | 1 S H       |
| >SUBSCRIBERS     | S/34 ADVERT A/R & CIRCULATION            | 5796-NXN     |     | 603     |          |          | 12       | 6B30-1297       | SYSTEM/34                | 1 S H       |
| >SUBSCRIPTION    | SYSTEMS LIBRARY SUBSCRIPTION SVC CONTROL | 5798-CTE     |     | 68      |          |          | 12       | 6B21-2222       | OS/VS                    | 1 I H       |
| >SUBSET          | BASIC SUBSET                             | 5726-BA2     |     | 780     |          |          | 01       | GC21-9035       | SYSTEM/34                | 1 S A       |
| >SUBSET          | RPG II SUBSET                            | 5726-RG2     |     | 540     |          |          | 01       | GC21-9034       | SYSTEM/34                | 1 S A       |
| >SUBSET          | SUBSET ANS COBOL MOD 8/10 DISK           | 5702-CB1     |     | 108     |          |          |          | GC28-6452       | SYSTEM/3                 | 1 S C       |
| >SUBSET          | SYSTEM SUPPORT PROGRAM SUBSET PRECONFIG  | 5726-SS2     |     | 1800    |          |          | 01       | GC21-9032       | SYSTEM/34                | 1 S A       |
| >SUBSET          | UTILITIES SUBSET MSU EXEC SORT DFU       | 5726-UT2     |     | 660     |          |          | 01       | GC21-9033       | SYSTEM/34                | 1 S A       |
| >SUBSYS          | PROG COMM SUBSYS EXTEND EXECU SUPPORT    | 5719-CS2     | R   | 25      |          |          |          | GC34-0186       | SERIES/1                 | 1 S C       |
| >SUBSYSTEM COMPI | VIRTUAL COBOL SUBSYSTEM COMPILER         | 5796-NPW     |     | 356     |          |          | 12       | 6B30-1100       | SERIES/1                 | 1 S H       |
| >SUBTASK         | TCAM SUBTASK TRACE ANALYSIS REPORT       | 5798-DGK     |     | 45      |          |          | 12       | 6B21-2860       | OS/VS/ACF/TCAM           | 1 S H       |
| >SUMMARY         | IMS MONITOR SUMMARY & SYSTEM ANALYSIS II | 5798-CHJ     |     | 117     |          |          |          | 6B21-1792       | IMS/VS VIR2              | 1 I E       |
| >SUPER-C         | SOURCE COMPARE AUDIT UTILITY             | 5796-PLZ     |     | 100     |          |          | 24       | 6320-6163       | V51 VM/CMS MVS           | 1 I H       |
| >SUPERMARKET     | SUPERMARKET SYSTEM HOST                  | 5747-BK1     |     |         |          |          |          | GC30-3025       | DOS/VS                   | 0 S S       |
| >SUPERMARKET     | SUPERMARKET CASHIER PERFORMANCE SYSTEM   | 5796-BAE     |     | 180     |          |          | 12       | 6320-6407       | DOS/VSE                  | 1 S H       |
| >SUPERMARKET     | SUPERMARKET ENERGY MANAGEMENT            | 5796-NQC     | P   | 90      |          |          | 12       | 6B30-1132       | SERIES/1                 | 1 S H       |
| >SUPERMARKET     | SUPERMARKET COMMUNICATION SYS            | 5798-NTL     |     | 230     |          |          | 12       | 6B30-1247       | SYSTEM/34                | 1 S H       |
| >SUPERMARKET     | 3650 SUPERMARKET ENVIRONMENT             | 5748-D21     |     | 55      |          |          | 48       | GC30-3055       | 3650                     | 1 S A       |
| >SUPERMARKET     | 3660 SUPERMARKET SYSTEM - HOST SUPPORT   | 5744-BR1     |     |         |          |          |          | GC30-3022       | OS/VS                    | 0 S S       |



| KEYWORD          | PROGRAM INFORMATION                      | ORDER       | T | LIC DSLO LLPS MLPS |     |     |     | GENERAL      | ENVIRONMENT         | T I S        |
|------------------|--|-------------|---|--------------------|-----|-----|-----|--------------|---------------------|--------------|
|                  |  | NUMBER      | C | FEE                | FEE | FEE | FEE | MO           | INFO                | QR FEATURE # |
| SUPERMARKET      | 3660 SUPERMARKET STORE SYSTEM            | 5744-BR2    |   |                    |     |     |     | GC30-9504    | OS/V5               | 0 S S        |
| SUPERMARKET      | 3660 SUPERMARKET STORE SYSTEM            | 5747-BK2    |   |                    |     |     |     | GH30-3025    | DOS/V5              | 0 S S        |
| >SUPERMARKET COM | SUPERMARKET COMMUNICATION SYS            | 5798-NTL    |   | 230                |     |     |     | 12 GB30-1247 | SYSTEM/34           | 1 S H        |
| >SUPERMARKET EDX | EDX SUPERMARKET ENERGY MANEGMNT          | 5798-NTH    |   | 115                |     |     |     | 12 GB30-1233 | SERIES/1            | 1 S H        |
| >SUPERVISOR      | EDX BASIC SUPERVISOR AND EMULATOR VER 3  | 5719-XS3    | R | 37                 |     |     |     | GC34-1696    | SERIES/1            | 1 S E        |
| >SUPERVISOR      | EDX BASIC SUPERV & EMULATOR-VER2         | 5798-NRR    | P | 16                 |     |     |     | GB30-1212    | SERIES/1            | 1 S H        |
| >SUPERVISOR      | EDX SUPERVISOR & EMULATOR VERSION 1      | 5719-XS1    | R | 21                 |     |     |     | GC34-0301    | SERIES/1            | 1 S C        |
| >SUPERVISOR      | EDX SUPERVISOR & EMULATOR VERSION 2      | 5719-XS2    | R | 28                 |     |     |     | GC34-0353    | SERIES/1            | 1 S C        |
| >SUPERVISOR      | S/1 VIRTUAL BASIC SUPERVISOR             | 5798-RBY    | P | 29                 |     |     | 36  | GB30-1466    | SERIES/1            | 1 S H        |
| SUPERVISOR       | 3770 SUPERVISOR ASSEMBLER                | 5798-CWH    |   | 115                |     |     | 12  | GB21-2278    | DOS/V5,OS/V5,VM/CMS | 1 I H        |
| >SUPPLIERS       | RELEA CTRL FOR SUPPLIERS TO THE AUTO IND | 5725-M45    |   | 84                 |     |     |     | GH30-0014    | SYSTEM/32           | 1 S C        |
| >SUPPLIERS       | SHIP CTRL FOR SUPPLIERS TO THE AUTO IND  | 5725-M44    |   | 77                 |     |     |     | GH30-0013    | SYSTEM/32           | 1 S C        |
| >SURFACE         | SURFACE AND NC                           | 5796-PQH    |   | 840                | 500 |     |     | G320-6650    | OS/V5               | 1 S E        |
| SURFACE          | 3D SURFACE GEOMETRY MODULE               | 5796-AWT    | R | 201                | 115 |     |     | G320-6063    | OS/V5,VM/CMS        | 0 S H        |
| SURVEYOR         | IMS/V5 DATA BASE SURVEYOR UTILITY FEAT.  | 5740-XX2/05 |   | 97                 | 72  | 11  | 18  | GH20-9069    | 6098-6099           | 0 S K        |
| SVC              | CUSTOMER INFORMATION SYSTEM DESIGN SVC   | 5712-AAA/01 |   | 2055               |     |     |     | 12 GE20-0441 |                     | 0 S          |
| SVC              | CUSTOMER INFORMATION SYSTEM DESIGN SVC   | 5712-AAA/02 |   | 363                |     |     |     | 12 GE20-0441 | 9096                | 0 S          |
| SVC              | SYSTEMS LIBRARY SUBSCRIPTION SVC CONTROL | 5798-CTE    |   | 68                 |     |     |     | 12 GB21-2222 | OS/V5               | 1 I H        |
| SVS              | OPERATING SYSTEM / VIRTUAL STORAGE 2     | 5742-017    |   |                    |     |     |     | GC28-0601    |                     | 0 S C        |
| SVS/MVS          | SVS/MVS SYSTEM & JOB IMPACT ANALYSIS     | 5796-AJF    |   | 200                |     |     |     | 12 G320-8149 | OS/V52              | 0 S H        |
| SWAP             | MVS PAGING SYSTEM - EXTENDED SWAP        | 5796-PNW    |   | 145                |     |     | 12  | G320-6403    | MVS/SE MVS/SP       | 1 S H        |
| SWIFT            | DIRECT SWIFT LINK                        | 5740-F15    |   | 1525               |     |     |     | GH12-5050    | CICS/OS/V5          | 1 S B        |
| SWIFT            | DIRECT SWIFT LINK                        | 5740-F16    |   | 1805               |     |     |     | GH12-5050    | IMS/V5              | 1 S B        |
| SWIFT            | DIRECT SWIFT LINK                        | 5746-F14    |   | 1245               |     |     |     | GH12-5133    | CICS/DOS/V5,DOS/V5E | 1 S B        |
| SWIFT            | SWIFT BSC EP SUPPORT                     | 5799-AQT    |   | 86                 |     |     |     | SC19-5017    | TCAM                | 1 S A        |
| SWIFT            | SWIFT FOR ACF/NCP/V5 REL 2               | 5799-WRF    |   |                    |     |     |     | SC19-5016    | 3704/3705           | 0 S S        |
| >SWITCHING       | X.25 NCP PACKET SWITCHING INTERFACE      | 5668-981    |   | 190                | 142 | 30  | 48  | GC30-9545    | ACF/NCP/V5          | 2 S K        |
| >SYNCHRONOUS     | BINARY SYNCHRONOUS COMMUNICATION         | 5608-SR2    | Q | 120                |     |     |     | G544-0851    | DISPLAYWRITER       | Y S E        |
| >SYNCHRONOUS     | BINARY SYNCHRONOUS COMMUNICATIONS        | 5715-BC1    |   | 850                |     |     | 01  | SA34-0111    | SYS/23 DATAMASTER   | 1 I E        |
| >SYNTEL INC      | MANUFACTURING DATA GENERATORS            | 5796-NTB    |   | 81                 |     |     | 06  | GB30-1222    | SYSTEM/32           | 1 S H        |
| >SYS/23          | 5110/5120 BASIC TO SYS/23 CONVERSION AID | 5715-CV1    |   | 875                |     |     |     | 01 GC34-1693 | SYS/23 DATAMASTER   | 1 I E        |
| >SYSTEM UTILIZAT | S/34 WORK STATION UTILIZ ANALY           | 5796-RDN    |   | 270                |     |     | 01  | GB30-1598    | SYSTEM/34           | 1 S H        |
| >SYSTEM/23       | SYSTEM/23 CLIENT ACCOUNTING CPA          | 5715-CA1    |   | 2050               |     |     | 01  | GB30-2796    | SYS/23 DATAMASTER   | 1 I E        |
| >SYSTEM/3        | S/3-S/38 BATCH CONVERSION AID            | 5798-RDK    |   | 650                |     |     | 01  | GB30-1585    | SYSTEM/38           | 0 S H        |
| >SYSTEM/32       | SYSTEM/32 RPG II                         | 5725-RG1    |   | 49                 |     |     |     | GC21-7594    | SYSTEM/32           | 1 S A        |
| >SYSTEM/32       | SYSTEM/32 SYSTEM CONTROL PROGRAM         | 5725-SC1    |   |                    |     |     |     | GC21-7710    | SYSTEM/32           | 0 S A        |
| >SYSTEM/32       | SYSTEM/32 UTILITIES                      | 5725-UT1    |   | 23                 |     |     |     | GC21-7599    | SYSTEM/32           | 1 S A        |
| >SYSTEM/32       | SYSTEM/32 ANS/68 COBOL                   | 5799-AWQ    |   | 120                |     |     |     | GB0F-4764    | SYSTEM/32           | 1 S A        |
| >SYSTEM/32       | SYSTEM/32 REMOTE JOB ENTRY RJE           | 5799-WKJ    |   |                    |     |     |     | GC21-7653    | SYSTEM/32           | 1 S B        |
| >SYSTEM/34       | SYSTEM/34 TO SYSTEM/38 CONVERSION        | 5714-CV5    |   | 1495               |     |     | 01  | GH30-0460    | SYSTEM/38           | 0 S D        |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #    | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-----------------------------|-------------|
| >SYSTEM/34       | SYSTEM/34 ANS/68 COBOL                   | 5799-AWR     |     | 105     | 69       |          |          |            | GC21-7784 SYSTEM/34         | 1 S A       |
| >SYSTEM/370      | S/1 NATIVE APPL LOAD FAC - VER 2         | 5798-RBR     |     | 172     |          |          |          | 12         | GB30-1071 SERIES/1          | 1 S H       |
| >SYSTEM/370 PL/1 | S/1 HOST PL/1 - RPS                      | 5798-NZJ     |     | 960     |          |          |          | 24         | GB30-1483 SERIES/1          | 1 S H       |
| >SYSTEM/370 PL/1 | S/1 HOST PL/1 - EDX                      | 5798-NZK     |     | 960     |          |          |          | 24         | GB30-1486 SERIES/1          | 1 S H       |
| >SYSTEM/38       | S/3 TO S/38 COBOL CONVERSION             | 5798-NXM     |     | 575     |          |          |          | 01         | GB30-1362 SYSTEM/3          | 0 S H       |
| >SYSTEM/38       | SYSTEM/34 TO SYSTEM/38 CONVERSION        | 5714-CV5     |     | 1495    |          |          |          | 01         | GH30-0460 SYSTEM/38         | 0 S D       |
| >SYSTEM/38       | SYSTEM/38 LOG RECOVERY                   | 5799-BEP     |     | 58      |          |          |          |            | GC21-7913 SYSTEM/38         | 1 S D       |
| SYSTEM/7         | DISTRIBUTED INTELLIGENCE SYSTEM/7 - 370  | 5744-BK1     |     |         |          |          |          |            | GC34-0057 OS/V5             | 0 S C       |
| TABLE            | APL DECISION TABLE PROCESSOR & CODE GEN. | 5796-PJB     |     | 500     |          |          |          | 12         | G320-5738 APLSV,VSAPL       | 1 S H       |
| >TABLE           | CPS DISK TABLE OF CONTENTS               | 5799-TAW     | R   | 1       |          |          |          | 24         | SC34-1561 SERIES/1          | 1 S C       |
| TABLE            | DPX 3644 PARAMETER TABLE GENERATOR       | 5760-ED1     |     | 24      | 18       | 6        | 10       |            | GC24-5179 DPX               | 1 S K       |
| TABLE            | MASS STORAGE TABLE MAINTENANCE PROGRAM   | 5796-PHY     |     | 197     |          |          |          |            | G320-5742 VS1,VS2           | 1 I E       |
| TABLE            | ROUTING TABLE GENERATOR FOR ACF NETWORKS | 5798-DFL     |     | 65      |          |          |          |            | GB21-2805 OS/V5             | 1 S E       |
| TABLE            | 3644 PARAMETER TABLE GENERATION FACILITY | 5668-998     |     | 63      | 47       | 6        | 10       |            | GC31-0009 DOS/VSE,OS/VS1    | 1 S K       |
| >TABLE PREPARATI | 3694 TABLE PREP FACILITY                 | 5798-RFK     |     | 100     |          |          |          | 12         | GB30-1645 SYSTEM/34         | 1 S H       |
| TAPE             | ATMS ARCHIVE TAPE CONTENT LISTER         | 5796-AZQ     |     | 85      |          |          |          | 12         | G320-6389 OS/V5             | 1 S H       |
| >TAPE            | CPS 4969 MAG TAPE SUBSYSTEM              | 5799-TDM     | R   | 56      |          |          |          | 24         | GC34-0347 SERIES/1          | 1 S C       |
| TAPE             | GENERAL PURPOSE TAPE AND DISK SCANS      | 5796-AGY     |     | 300     |          |          |          | 01         | G320-8166 DOS/V5            | 1 S H       |
| TAPE             | IMS LOG TAPE MANAGEMENT SYSTEM           | 5796-AHT     |     | 200     |          |          |          | 12         | G320-8141 OS/VS2, IMS/V5IMS | 1 S H       |
| TAPE             | TAPE AUTOMATION - PRODUCTION ENVIRONMENT | 5798-DGB     |     | 200     |          |          |          | 12         | GB21-2828 DOS/VSE           | 1 S H       |
| >TAPE            | TAPE LIBRARY CONTROL SYSTEM              | 5785-EAM     |     | 650     |          |          |          | 12         | G320-6652 MVS               | 1 S H       |
| >TAPE            | TAPE SUPPORT FEATURE MOD 10 CARD         | 5701-RG1/03  |     | 38      |          |          |          |            | GC21-5040 6004              | 1 I C       |
| >TAPE            | TAPE SORT PROGRAM MOD 10 CARD            | 5701-SM1     |     | 87      |          |          |          |            | GC21-5040 SYSTEM/3          | 1 S C       |
| >TAPE            | TAPE SUPPORT FEATURE MOD 8/10 DISK       | 5702-RG1/04  |     | 45      |          |          |          |            | GC21-5040 6016/18           | 1 S C       |
| >TAPE            | TAPE SORT PROGRAM MOD 8/10 DISK          | 5702-SM2     |     | 87      |          |          |          |            | SC21-7572 SYSTEM/3          | 1 S C       |
| >TAPE            | TAPE SORT - 15ABC                        | 5704-SM2     |     | 152     |          |          |          |            | SC21-7572 SYSTEM/3          | 1 S C       |
| >TAPE            | TAPE SORT - 15D                          | 5704-SM8     |     | 174     |          |          |          |            | SC21-7572 SYSTEM/3          | 1 S A       |
| >TAPE            | TAPE SORT MOD 12                         | 5705-SM2     |     | 93      |          |          |          |            | GC21-5138 SYSTEM/3          | 1 S C       |
| TAPE             | VM VIRTUAL TAPE LIBRARIAN                | 5796-PNZ     |     | 46      |          |          |          | 24         | G320-6421 VM/CMS PL/I       | 1 S H       |
| >TAPE            | 4969 MAG TAPE SUBSYSTEM SUPPORT          | 5719-TA4     | R   | 25      |          |          |          |            | GC34-0289 SERIES/1          | 1 S C       |
| TARIFF           | FARE QUOTE / TICKETING TARIFF MAINT FEA. | 5736-T11/02  |     | 10330   |          |          |          |            | GH20-0873 ACP               | 0 I B       |
| >TAX REPORTING   | S/34 DNAS II LIFO SUPPORT                | 5798-RDL     |     | 105     |          |          |          | 12         | GB30-1587 SYSTEM/34         | 1 S H       |
| >TAXES           | ADVANCE EARNED INCOME CREDIT I/F         | 5798-NYQ     |     | 575     |          |          |          | 01         | GB30-1395 SYSTEM/34         | 1 S H       |
| >TAXES           | S/23 JOB SHOP CONTROL - P/R              | 5796-ZAL     |     | 1200    |          |          |          | 01         | GB30-1714 SYS/23 DATAMASTER | 1 I H       |
| >TAXES           | 5120 JOB SHOP SYS - P/R                  | 5796-RCL     |     | 126     |          |          |          | 12         | GB30-1523 5120 SYSTEM       | 1 S H       |
| TCAM             | AUTOMATIC TCAM NETWORK DEFINITION        | 5798-CYH     |     | 175     |          |          |          | 12         | GB21-2375 OS/V5             | 1 I H       |
| >TCAM            | TCAM SUBTASK TRACE ANALYSIS REPORT       | 5798-DGK     |     | 45      |          |          |          | 12         | GB21-2860 OS/V5,ACF/TCAM    | 1 S H       |
| TCF-AF           | TELECOMMUNICATIONS CONTROL SYSTEM        | 5740-XXD     |     | 1375    |          |          |          |            | GH20-1735 OS/V5             | 2 S C       |
| TCS              | TELECOMMUNICATIONS CONTROL SYSTEM        | 5734-F31     |     | 5070    |          |          |          |            | GH20-4324 OS/V5             | 2 S B       |
| TCS-ACF          | TCS-ACF NETWORKING FEATURE               | 5740-XY3/02  |     | 330     |          |          |          |            | GH20-2156 5101-5102         | 2 S C       |

| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT DR FEATURE #  | T I S P L Y |
|------------------|---|--------------|-----|---------|----------|----------|----------|------------|---------------------------|-------------|
| TCS-ACF          | TELECOMMUNICATIONS CONTROL SYSTEM ACF   | 5740-XY3/01  |     | 220     |          |          |          |            | GH20-2192 OS/VS           | 1 S C       |
| >TEACHING        | PERSONAL TEACHING AID                   | 5726-PT1     |     | 600     |          |          |          | 01         | SYSTEM/34                 | 1 S H       |
| >TECHNICAL CONST | CONSTRUCTION ESTIMATING & BID           | 5796-NPQ     |     | 172     |          |          |          | 12         | GB30-1146 SYSTEM/32       | 1 S H       |
| TECHNIQUES       | APL HANDBOOK OF TECHNIQUES WORKSPACE    | 5796-PLP     |     | 175     |          |          |          | 01         | G320-6153 VS APL(5748AP1) | 0 L H       |
| >TECHNIQUES      | UNIT INVENTORY TECHNIQUES               | 5701-D11     |     | 94      |          |          |          |            | GH20-0931 SYSTEM/3        | 1 I C       |
| TELECOMMUNICATI  | EXTENDED TELECOMMUNICATIONS MODULE      | 5746-XXB     |     | 250     |          |          |          |            | GH20-1702 CICS/DOS/VS     | 2 S C       |
| TELECOMMUNICATI  | TELECOMMUNICATIONS CONTROL SYSTEM       | 5734-F31     |     | 5070    |          |          |          |            | GH20-4324 OS/VS           | 2 S B       |
| TELECOMMUNICATI  | TELECOMMUNICATIONS CONTROL SYSTEM       | 5740-XXD     |     | 1375    |          |          |          |            | GH20-1735 OS/VS           | 2 S C       |
| TELECOMMUNICATI  | TELECOMMUNICATIONS CONTROL SYSTEM ACF   | 5740-XY3/01  |     | 220     |          |          |          |            | GH20-2192 OS/VS           | 1 S C       |
| TELECOMMUNICATI  | TELECOMMUNICATIONS MODULE               | 5796-ATF     | R   | 351     | 201      |          |          |            | G320-6063 OS/VS           | 1 S E       |
| >TELEPHONE       | AUDIO SUPPORT FOR TOUCH-TONE            | 5798-NXX     |     | 201     |          |          |          | 12         | GB30-1350 SERIES/1        | 1 S H       |
| >TELEPHONE       | S/I TELEPHONE LISTING MGMT SYS          | 5798-NZZ     | P   | 180     |          |          |          | 12         | GB30-1452 SERIES/1        | 1 S H       |
| >TELEPHONE DATA  | S/I CENTRAL TOLL DATA COLLEC            | 5798-NYG     |     | 185     |          |          |          | 12         | GB30-1651 SERIES/1        | 1 S H       |
| >TELEPHONE DATA  | S/I REMOTE TOLL DATA COLLEC             | 5798-NYH     |     | 100     |          |          |          | 12         | GB30-1653 SERIES/1        | 1 S H       |
| >TELEPHONE DATA  | S/I TEL TOLL DATA COL AE-SATT           | 5798-RFX     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1        | 1 S H       |
| >TELEPHONE DATA  | S/I TEL TOLL DATA COL NT-500            | 5798-RFY     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1        | 1 S H       |
| >TELEPHONE DATA  | S/I TEL TOLL DATA COL NT-400            | 5798-RGB     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1        | 1 S H       |
| >TELEPHONE DATA  | S/I TEL TOLL DATA COL SC-75             | 5798-RGC     |     | 105     |          |          |          | 12         | GB30-1653 SERIES/1        | 1 S H       |
| >TELEPHONE TOLL  | S/I CENTRAL TOLL DATA COLLEC            | 5798-NYG     |     | 185     |          |          |          | 12         | GB30-1651 SERIES/1        | 1 S H       |
| >TELEPHONE TOLL  | S/I REMOTE TOLL DATA COLLEC             | 5798-NYH     |     | 100     |          |          |          | 12         | GB30-1653 SERIES/1        | 1 S H       |
| >TELEPROCESSING  | INTELLIGENT TERMINAL SUBSYSTEM          | 5798-NLG     |     | 126     |          |          |          | 12         | GB30-1032 SERIES/1        | 1 S H       |
| >TELEPROCESSING  | INTERACTIVE PURCHASING SYSTEM           | 5796-NJH     |     | 230     |          |          |          | 12         | GB30-0911 SYSTEM/3        | 1 I H       |
| >TELEPROCESSING  | ONLINE BICARSA                          | 5798-NHF     |     | 454     |          |          |          | 12         | GB30-0842 SYSTEM/3        | 1 I H       |
| >TELEPROCESSING  | ONLINE OPEN-ITEM A/R S3-M15             | 5798-NJF     |     | 258     |          |          |          | 12         | GB30-0897 SYSTEM/3        | 1 I H       |
| >TELEPROCESSING  | REMOTE JOB ENTRY FOR POWER/VS           | 5798-NDW     |     | 143     |          |          |          | 12         | GB30-0746 SYSTEM/3        | 1 S H       |
| >TELEPROCESSING  | TELEPROCESSING NETWORK SIMULATOR        | 5662-262     |     | 1450    |          |          |          |            | GH20-2487 OS/VS           | 1 I B       |
| TELEPROCESSING   | TELEPROCESSING NETWORK SIMULATOR        | 5740-XT4     |     | 1430    |          |          |          |            | GH20-1907 OS/VS           | 1 I B       |
| TELEPROCESSING   | TELEPROCESSING VIRTUAL MACHINE          | 5796-PNC     |     | 207     |          |          |          | 24         | G320-6328 VM/CMS          | 1 S H       |
| >TELEPROCESSING  | TELLER CONTROL PROGRAM                  | 5798-NKZ     |     | 287     |          |          |          | 12         | GB30-0992 SYSTEM/3        | 1 S H       |
| >TELEPROCESSING  | TELLER CONTROL PROG ENHANCEMENTS        | 5798-NXL     |     | 155     |          |          |          | 12         | GB30-1331 SYSTEM/3        | 1 S H       |
| >TELEX           | S/I TEXT ROUTING SYSTEM                 | 5798-NZG     |     | 373     |          |          |          | 24         | GB30-1435 SERIES/1        | 1 S H       |
| >TELLER          | AUTOMATED TELLER HOST ENHANCEMENTS      | 5796-BBH     |     | 105     |          |          |          | 12         | G320-6428 DOS/VS, CICS/VS | 1 S H       |
| >TELLER          | AUTOMATED TELLER HOST SUPPORT           | 5796-BBJ     |     | 2235    |          |          |          | 12         | G320-6428 CICS/DOS/VS     | 1 S H       |
| >TELLER          | AUTOMATED TELLER SYSTEM 3600 4700       | 5798-DHK     | P   | 180     |          |          |          | 12         | GB21-2909 3600 4700       | 1 S H       |
| TELLER           | BANK TELLER 3600 APPLICATION PROGRAM    | 5796-ARD     |     | 100     |          |          |          | 12         | G320-5761 3600            | 1 S H       |
| TELLER           | BANK TELLER AP - COMMERCIAL EXTENSIONS  | 5796-AZX     |     | 120     |          |          |          | 12         | G320-6396                 | 1 S H       |
| TELLER           | COMMERCIAL BANK 3600 TELLER APPLICATION | 5796-AXK     |     | 120     |          |          |          | 12         | G320-6161 VS1             | 1 S H       |
| >TELLER          | CREDIT UNION SYSTEM - TELLER            | 5796-BBX     | P   | 100     |          |          |          | 12         | G320-6666 5796-BBW        | 1 S H       |
| TELLER           | FULL FUNCTION TELLER SYSTEM             | 5796-AZL     |     | 420     |          |          |          | 12         | G320-6391 OS/VS, DOS/VSE  | 1 S H       |
| TELLER           | ONLINE TELLER ASSIST SYSTEM             | 5796-AZN     |     | 260     |          |          |          | 12         | G320-6392 OS/VS, DOS/VSE  | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L Y |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| TELLER           | 3624 TELLER MACHINE IMS/V5 HOST SUPPORT  | 5796-BBG     |     | 1725    |          |          |          | 12         | 6320-6427 MVS,ACF/VTAM         | 1 S H       |
| >TELLER CONTROL  | TELLER CONTROL PROGRAM                   | 5798-NKZ     |     | 287     |          |          |          | 12         | 6B30-0992 SYSTEM/3             | 1 S H       |
| >TELLER CONTROL  | TELLER CONTROL PROG ENHANCEMENTS         | 5798-NXL     |     | 155     |          |          |          | 12         | 6B30-1331 SYSTEM/3             | 1 S H       |
| >TELLER TERMINAL | ONLINE TERMINAL SUPPORT II               | 5798-NVZ     |     | 345     |          |          |          | 12         | 6B30-1409 SYSTEM/3             | 1 S H       |
| >TELLER TERMINAL | 3600 O/L TERMINAL SUPPORT - 5/34         | 5798-RAA     |     | 253     |          |          |          | 12         | 6B30-1454 SYSTEM/34            | 1 S H       |
| >TELLER TRANSACT | CREDIT UNION SYSTEM                      | 5798-NNY     |     | 460     |          |          |          | 24         | 6B30-1083 SYSTEM/34            | 1 S H       |
| TELPAK           | TELPAK OPTIMIZATION SYSTEM               | 5796-PJH     |     | 3000    |          |          |          | 12         | 6320-5747 OS/V5                | 1 I H       |
| >TERMINAL COMMUN | S/1 YALE ASCII TERM COMM SYSTEM          | 5796-RBT     | P   | 143     |          |          |          | 24         | 6B30-1509 SERIES/1             | 1 S H       |
| >TERMINAL INTERF | S/1 SPEC TERM INTERFACE PROCESSO         | 5798-RBQ     |     | 120     |          |          |          | 24         | SERIES/1                       | 1 S H       |
| >TERMINAL PRINTI | MODEL 15D TERMINAL PRINTING SYS          | 5798-NTZ     |     | 230     |          |          |          | 06         | 6B30-1002 SYSTEM/3             | 1 S H       |
| >TERMINAL SEARCH | TERMINAL SEARCH FACILITY                 | 5798-NFD     |     | 81      |          |          |          | 06         | 6B30-0797 SYSTEM/3             | 1 S H       |
| >TERMINAL SUBSYS | INTELLIGENT TERMINAL SUBSYSTEM           | 5798-NLG     |     | 126     |          |          |          | 12         | 6B30-1032 SERIES/1             | 1 S H       |
| >TERMINAL SUBSYS | ITS PRINT SPOOL                          | 5798-NXD     |     | 92      |          |          |          | 12         | 6B30-1305 SERIES/1             | 1 S H       |
| >TERMINAL SUPPOR | ONLINE TERMINAL SUPPORT II               | 5798-NVZ     |     | 345     |          |          |          | 12         | 6B30-1409 SYSTEM/3             | 1 S H       |
| >TERMINAL SUPPOR | 3600 O/L TERMINAL SUPPORT - 5/34         | 5798-RAA     |     | 253     |          |          |          | 12         | 6B30-1454 SYSTEM/34            | 1 S H       |
| >TERMINALS       | MODEL 15D TERMINAL PRINTING SYS          | 5798-NTZ     |     | 230     |          |          |          | 06         | 6B30-1002 SYSTEM/3             | 1 S H       |
| TERMINATOR       | IMS/V5 EMERGENCY LOG TERMINATOR          | 5796-ATN     |     | 75      |          |          |          |            | 6320-6070 IMS/V5 V1R2          | 1 I E       |
| TEST             | CICS/V5 ONLINE TEST DEBUG II             | 5796-AHJ     |     | 86      |          |          |          |            | 6320-5710 DOS/V5,OS/V5         | 1 S E       |
| TEST             | CRITERION REFERENCED TEST REPORTING      | 5796-AZZ     |     | 175     |          |          |          | 12         | 6320-6419 DOS/V5               | 1 S H       |
| TEST             | DL/I - CICS/V5 TEST PROG. STATE INDUST.  | 5796-ARN     |     | 85      |          |          |          | 12         | 6320-6053 DOS/V5               | 1 S H       |
| >TEST            | EPIC: - FAST EDUCATION TEST SCORING      | 5735-E92     |     | 104     |          |          |          |            | GH20-1131 SYSTEM/3             | 1 I C       |
| TEST             | TEST IMS UTILITIES                       | 5796-PBE     |     | 151     |          |          |          | 12         | 6320-1523 OS/IMS               | 1 S H       |
| TEST             | TEST IMS/V5 UTILITIES                    | 5796-PDA     |     | 100     |          |          |          | 12         | 6320-1540 OS/V51/V52,IMS/V5    | 1 S H       |
| TEST             | 3790 / 3770 PVS DATA-SET TEST SUPPORT    | 5798-CPG     |     | 80      |          |          |          | 12         | 6B21-2073 OS/V5,DOS/V5         | 1 I H       |
| TEST             | 3890 PROGRAMMING TEST AID ENHANCEMENT    | 5798-CBG/02  |     | 40      |          |          |          | 12         | 6B21-1444 9516-9517            | 1 S H       |
| TESTING          | AIRLINE CONTROL PROGRAM TESTING IN VM    | 5798-DEP     |     | 400     |          |          |          | 12         | 6B21-2743 VM/SP,VM/BSEP,VM/SE  | 1 S H       |
| TESTING          | CMS HOST DEVELOPMENT, TESTING 8100 COBOL | 5785-DCG     |     | 3500    |          |          |          | 01         | 6B21-2572 VM/CMS               | 1 S H       |
| TESTING          | DATA INTERFILE TRANSFER, TESTING, OPERNS | 5746-UT3     |     | 36      | 27       | 5        | 8        |            | GH19-6072 DOS/VSE              | 1 S K       |
| TESTING          | ONLINE REJECT / REENTRY TESTING AID      | 5798-CWE     |     | 112     |          |          |          | 12         | 6B21-2264 OS/V5                | 1 S H       |
| TESTING          | ISO HOST DEVELOPMENT, TESTING 8100 COBOL | 5785-DCF     |     | 4000    |          |          |          | 01         | 6B21-2570 OS/V5                | 1 S H       |
| TESTING          | 3890 OS/V5 PROGRAMMING TESTING AID       | 5798-CBG/01  |     | 264     |          |          |          | 12         | 6B21-1444 DOS/V5 OS/V5 DOS/VSE | 1 S H       |
| TEXT             | ADVANCED TEXT MANAGEMENT SYSTEM III      | 5740-XVL/01  |     | 778     |          |          |          |            | GH20-2404 OS/V5                | 2 S B       |
| TEXT             | ADVANCED TEXT MANAGEMENT SYSTEM III      | 5746-XXU/01  |     | 417     |          |          |          |            | GH20-2404 DOS/V5               | 2 S B       |
| >TEXT            | DATAMASTER WORD AND TEXT PROCESSING      | 5715-WP1     |     | 500     |          |          |          | 01         | 6C34-0417 SYS/23 DATAMASTER    | 1 I E       |
| TEXT             | INTEGRATED PROCESSING OF DATA AND TEXT   | 5785-DCT     |     | 750     |          |          |          | 24         | 6B21-2755 OS/V5,IMS,DCF,DLF    | 1 S H       |
| >TEXT            | INTEGRATED PROCESSING OF DATA AND TEXT   | 5785-DCX     |     | 370     |          |          |          |            | 6B21-2946 CICS/DOS/V5          | 1 S H       |
| >TEXT            | INTEGRATED PROCESSING OF DATA AND TEXT   | 5785-DDD     |     | 260     |          |          |          |            | 6B21-2946 CICS/DOS/V5          | 1 S H       |
| >TEXT            | INTERACTIVE DISPLAY TEXT FACILITY        | 5668-956     |     | 80      | 60       |          |          |            | 6C33-0137 DOSF,DPCX            | 1 S E       |
| >TEXT            | MANYFONT TEXT PROCESSING TYPE FACES      | 5796-PPE     |     | 120     |          |          |          | 12         | 6320-6634 VM/CMS,DCF           | 1 S H       |
| TEXT             | QUERY SYSTEM TEXT ENHANCEMENT FEATURE    | 5798-C2E/02  |     | 40      |          |          |          | 12         | 6B21-2431 6015                 | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT DR FEATURE #      | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| >TEXT            | TEXT EDITOR                              | 5799-BFP     |     | 1150    |          |          |          | 01         | GH30-0245 SYSTEM/34           | 1 S E       |
| >TEXT            | TEXT MANAGEMENT                          | 5799-BFZ     |     | 50      |          |          |          |            | GC21-7925 SYSTEM/38           | 1 S A       |
| >TEXT EDITOR     | BASIC TEXT EDITOR                        | 5798-NPT     |     | 58      |          |          |          | 12         | GB30-1153 5120 SYSTEM         | 1 S H       |
| >TEXT EDITOR     | 5280 PROGRAMMER'S PROD AID & T/E         | 5798-RHC     |     | 550     |          |          |          | 01         | GB30-1702 5280 DATA SYSTEM    | 1 S H       |
| *TEXT ENTRY/EDIT | S/1 TEXT ENTRY & EDIT FACILITY           | 5798-RAR     | P   | 276     |          |          |          | 12         | GB30-1470 SERIES/1            | 1 S H       |
| >TEXT ROUTING    | S/1 TEXT ROUTING SYSTEM                  | 5798-NZG     |     | 373     |          |          |          | 24         | GB30-1435 SERIES/1            | 1 S H       |
| >TEXTPACK        | TEXTPACK 1                               | 5608-TR1     | Q   | 180     |          |          |          |            | G544-0851 DISPLAYWRITER       | Y S E       |
| >TEXTPACK        | TEXTPACK 2                               | 5608-TR2     | Q   | 192     |          |          |          |            | G544-0851 DISPLAYWRITER       | Y S E       |
| >TEXTPACK        | TEXTPACK 3                               | 5608-TR3     | Q   | 300     |          |          |          |            | G544-0851 DISPLAYWRITER       | Y S E       |
| >TEXTPACK        | TEXTPACK 4                               | 5608-TR3     | Q   | 336     |          |          |          |            | G544-0851 DISPLAYWRITER       | Y S E       |
| THESAURUS        | STAIRS/VS THESAURUS RETRIEVAL - TLS      | 5799-AQK     |     | 417     |          |          |          |            | GH20-1908 VS1,VS2,STAIRS/VS   | 1 S B       |
| THESAURUS        | STAIRS/VS THESAURUS GENERATOR - TLS      | 5799-AQL     |     | 175     |          |          |          |            | GH20-1908 OS/VS1,OS/VS2       | 1 S C       |
| >THIRD NATL BANK | TRUST DEPT ACCOUNTING SYSTEM             | 5796-NRY     |     | 575     |          |          |          | 12         | GB30-0559 SYSTEM/32           | 1 S H       |
| >THIRD NATL BANK | TRUST DEPT ACCOUNTING SYSTEM             | 5796-NTC     |     | 575     |          |          |          | 12         | GB30-0559 SYSTEM/34           | 1 S H       |
| >THREE           | THREE DIMENSIONAL PRESENTATION GRAPHICS  | 5798-DGP     |     | 145     |          |          |          | 12         | GB21-2867 VM/CMS,MVS,GDDM     | 1 S H       |
| >THRESHOLD       | 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 5668-983/02  |     | 138     | 103      | 15       | 24       |            | GC34-2061                     | 2 S K       |
| THRESHOLD        | 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 5735-XX8/02  |     | 138     | 103      | 15       | 24       |            | GC34-2055 6030-6031           | 2 S K       |
| THRIFT           | COMPREHENSIVE THRIFT APPLICATION - HOST  | 5796-AXW     |     | 4165    |          |          |          | 24         | G320-6337 DOS/VSE CICS DL/I   | 1 S H       |
| THRIFT           | COMPREHENSIVE THRIFT APPLICATION - 3600  | 5796-AXX     |     | 40      |          |          |          | 24         | G320-6337 5796-AXW            | 1 S H       |
| THROUGH          | VM PASS THROUGH FACILITY                 | 5748-RC1     |     | 139     | 104      | 65       | 104      |            | GC24-5206 VM/SP,VM/BSEP,VM/SE | 1 S K       |
| >THROUGH         | VM PASS THROUGH SUPPORT FOR 3101         | 5796-PPF     |     | 170     |          |          |          | 01         | G320-6637 VM/SP,VM/BSEP,VM/SE | 1 S E       |
| THROUGH          | VE 3270 BISYNC PASS THROUGH              | 5746-AM5     |     | 159     |          |          |          |            | GH20-2403 DOS/VSE CICS/VS     | 1 S B       |
| TICKETING        | FARE QUOTE / TICKETING                   | 5736-T11/01  |     | 5160    |          |          |          |            | GH20-0873 ACP                 | 0 I B       |
| TICKETING        | FARE QUOTE / TICKETING TARIFF MAINT FEA. | 5736-T11/02  |     | 10330   |          |          |          |            | GH20-0873 ACP                 | 0 I B       |
| >TICKETING       | RETAIL MERCHANDISE TICKETING             | 5796-BCA     |     | 250     |          |          |          | 24         | G320-6625 DPPX                | 1 S H       |
| TIIF             | IMS/VS TIME INITIATED INPUT FACILITY     | 5798-CWF     |     | 95      |          |          |          |            | GB21-2255 IMS/VS VIR2         | 1 S E       |
| TIME             | APL FORECASTING & TIME SERIES ANALYSIS   | 5796-PFX     |     | 382     |          |          |          | 12         | G320-5664 APLSV,APL/CMS,VSAPL | 1 I H       |
| TIME             | APL MULTIVARIATE TIME SERIES ANALYSIS    | 5796-PLX     |     | 400     |          |          |          | 12         | G320-6169 VSAPL               | 1 I H       |
| TIME             | COMMERCIAL BANK TIME DEPOSIT CERTIFICATS | 5746-F63     |     | 255     |          |          |          |            | GH20-2497 DOS/VSE AND CIF/VS  | 1 S B       |
| TIME             | DPPX COBOL RUN TIME LIBRARY              | 5760-LB1     |     | 21      | 15       | 4        | 6        |            | GC26-3914 DPPX                | 1 S K       |
| TIME             | IMS/VS RESPONSE TIME MONITOR             | 5796-ARB     |     | 70      |          |          |          | 12         | G320-5822 OS/VS               | 1 S H       |
| TIME             | IMS/VS TIME INITIATED INPUT FACILITY     | 5798-CWF     |     | 95      |          |          |          |            | GB21-2255 IMS/VS VIR2         | 1 S E       |
| TIME             | MAINT ENGR: TIME ON PARTS / FORECASTING  | 5796-ARW     |     | 1225    |          |          |          | 24         | G320-6055 OS/VS2              | 1 S H       |
| TIME             | SPECIAL REAL TIME OPERATING SYST - SRTOS | 5799-AHE     |     | 5015    |          |          |          |            | 12 SH20-1773 VS1              | 2 I B       |
| >TIME            | VIRTUAL SYSTEM TIME SHARED I/O FOR VSAPL | 5798-DEN     | P   | 210     |          |          |          | 12         | GB21-2741 TSO,VSAPL           | 1 S H       |
| TIME             | VM REAL TIME MONITOR                     | 5796-PNA     |     | 44      |          |          |          |            | G320-6165 VM/CMS              | 1 S E       |
| >TIME MANAGEMENT | COMPUTING FOR AN ACCTG PRACTICE          | 5798-NRE     |     | 166     |          |          |          | 12         | GB30-1205 5120 SYSTEM         | 1 S H       |
| >TIMER SUPPORT   | EXTENDED TIMER SUPPORT                   | 5798-NER     |     | 46      |          |          |          | 06         | GB30-0787 SYSTEM/3            | 0 S H       |
| TLS              | STAIRS/VS THESAURUS RETRIEVAL - TLS      | 5799-AQK     |     | 417     |          |          |          |            | GH20-1908 VS1,VS2,STAIRS/VS   | 1 S B       |
| TLS              | STAIRS/VS THESAURUS GENERATOR - TLS      | 5799-AQL     |     | 175     |          |          |          |            | GH20-1908 OS/VS1,OS/VS2       | 1 S C       |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >TOLL DATA COLLE | S/1 CENTRAL TOLL DATA COLLEC            | 5798-NVG     |     | 185     |          |          |          |    | 12 GB30-1651 | SERIES/1                 | 1 S H       |
| >TOLL DATA COLLE | S/1 REMOTE TOLL DATA COLLEC             | 5798-NVH     |     | 100     |          |          |          |    | 12 GB30-1653 | SERIES/1                 | 1 S H       |
| >TOLL DATA COLLE | S/1 TEL TOLL DATA COL AE-SATT           | 5798-RFX     |     | 105     |          |          |          |    | 12 GB30-1653 | SERIES/1                 | 1 S H       |
| >TOLL DATA COLLE | S/1 TEL TOLL DATA COL NT-500            | 5798-RFY     |     | 105     |          |          |          |    | 12 GB30-1653 | SERIES/1                 | 1 S H       |
| >TOLL DATA COLLE | S/1 TEL TOLL DATA COL NT-400            | 5798-RGB     |     | 105     |          |          |          |    | 12 GB30-1653 | SERIES/1                 | 1 S H       |
| >TOLL DATA COLLE | S/1 TEL TOLL DATA COL SC-75             | 5798-RGC     |     | 105     |          |          |          |    | 12 GB30-1653 | SERIES/1                 | 1 S H       |
| TOOL             | DPX PERFORMANCE TOOL MONITOR            | 5760-XR5/01  |     | 48      |          |          |          |    | GH20-2155    | DPX                      | 1 S B       |
| TOOL             | DPX PERFORMANCE TOOL REPORTER FEATURE   | 5760-XR5/02  |     | 55      |          |          |          |    | GH20-2155    | 6002                     | 1 S B       |
| TOOL             | OS/VS1 PERFORMANCE TOOL                 | 5796-PGL     |     | 345     |          |          |          |    | G320-5680    | OS/VS1                   | 1 S E       |
| >TOOL            | RPS TRANSIENT ACTIVITY TOOL V 1         | 5799-TDG     | R   | 6       |          |          |          |    | GC34-0286    | SERIES/1                 | 1 S C       |
| TOOL             | VSE PERFORMANCE TOOL                    | 5796-PLQ     |     | 201     |          |          |          |    | G320-6155    | DOS/VS,DOS/VSE           | 1 S E       |
| >TOOLS           | APL PERFORMANCE ANALYSIS TOOLS          | 5796-PPJ     |     | 90      |          |          |          |    | 12 G320-6643 | T50,CMS,VSPC,CICS        | 1 S H       |
| >TOUCH-TONE      | AUDIO SUPPORT FOR TOUCH-TONE            | 5798-NXX     |     | 201     |          |          |          |    | 12 GB30-1350 | SERIES/1                 | 1 S H       |
| TP               | BATCH TERMINAL - TP NETWORK SIMULATOR   | 5798-CXJ     |     | 110     |          |          |          |    | 12 GB21-2328 | TPNS BTS IMS/VS          | 1 I H       |
| TPNS             | DISPLAY MONITOR FOR TPNS                | 5796-AXN     |     | 110     |          |          |          |    | 12 G320-6167 | OS/VS,5740-XT4           | 1 I H       |
| >TPNS            | TELEPROCESSING NETWORK SIMULATOR        | 5662-262     |     | 1450    |          |          |          |    | GH20-2487    | OS/VS                    | 1 I B       |
| TPNS             | TELEPROCESSING NETWORK SIMULATOR        | 5740-XT4     |     | 1430    |          |          |          |    | GH20-1907    | OS/VS                    | 1 I B       |
| TPNS             | TPNS LOG FORMAT                         | 5798-CTX     |     | 100     |          |          |          |    | 12 GB21-2239 | OS/VS,5740-XT4           | 1 I H       |
| TPNS             | TPNS SCRIPT GENERATOR PRODUCTIVITY AID  | 5798-CPZ     |     | 180     |          |          |          |    | 12 GB21-2106 | 5740-XT4                 | 1 I H       |
| TPVM             | TELEPROCESSING VIRTUAL MACHINE          | 5796-PNC     |     | 207     |          |          |          |    | 24 G320-6328 | VM/CMS                   | 1 S H       |
| >TQF/3           | TQF/3 MODEL 10                          | 5799-AJR     |     | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0 S C       |
| >TQF/3           | TQF/3 MODEL 15                          | 5799-AJT     |     | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0 S C       |
| >TQF/3           | TQF/3 MODEL 12                          | 5799-AQZ     |     | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0 S C       |
| TRACE            | DOS/VS ASSEMBLER LABEL TRACE FACILITY   | 5798-AMJ     |     | 54      |          |          |          |    | 06 GB21-1008 | DOS/VS                   | 1 S H       |
| TRACE            | GENERALIZED TRACE FACILITY ANALYSIS     | 5798-CQQ     |     | 72      |          |          |          |    | GB21-2142    | OS/VS,5798-CPR           | 1 I E       |
| TRACE            | M55 TRACE SMF CORRELATION AID           | 5796-PJX     |     | 125     |          |          |          |    | 24 G320-5810 | OS/VS                    | 1 I H       |
| >TRACE           | TCAM SUBTASK TRACE ANALYSIS REPORT      | 5798-DGK     |     | 45      |          |          |          |    | 12 GB21-2860 | OS/VS,ACF/TCAM           | 1 S H       |
| TRACE            | 3704/5 EP TRACE EDITOR PROGRAM          | 5798-CHZ     |     | 55      |          |          |          |    | 12 GB21-1822 | DOS/VS,OS/VS             | 1 I H       |
| TRACE            | 3850 TRACE INTERPRETATION PACKAGE       | 5785-DBW     |     | 250     |          |          |          |    | 12 GB21-2541 | MVS                      | 1 I H       |
| >TRACK           | FAST TRACK (R)                          | 6024-023     |     | 90      |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| TRACKER          | CHANGE TRACKER                          | 5740-DC4     |     | 165     |          |          |          |    | GH19-6028    | OS/VS                    | 1 S C       |
| TRACKING         | APPLICANT TRACKING SYSTEM               | 5796-PLT     |     | 1100    |          |          |          |    | 12 G320-6333 | VM/CMS                   | 1 S H       |
| TRACKING         | CHANGE MANAGEMENT TRACKING              | 5740-DC1     |     | 440     |          |          |          |    | GH19-6028    | OS/VS                    | 1 S C       |
| TRACKING         | GOVERNMENT REPORTING / TRACKING FEATURE | 5740-AM4/02  |     | 278     |          |          |          |    | GH20-2151    | 6125-6126                | 2 S B       |
| TRACKING         | INCIDENT REPORTING AND TRACKING SYSTEM  | 5798-CNP     |     | 125     |          |          |          |    | 12 GB21-2047 | DOS/VS                   | 1 S H       |
| TRACKING         | OS/VS ONLINE PROBLEM TRACKING           | 5798-CNJ     |     | 127     |          |          |          |    | 12 GB21-2019 | OS/VS                    | 1 S H       |
| >TRACKING        | PLANT FLOOR COLLECTION & LOT TRACKING   | 5798-DFG     |     | 310     |          |          |          |    | 12 GB21-2881 | DPX+3640                 | 1 S H       |
| >TRACKING        | S/34 MFG ORDER TRACKING SUBSYS          | 5798-RCT     |     | 104     |          |          |          |    | 06 GB30-1536 | SYSTEM/34                | 1 S H       |
| >TRACKING        | DOCUME S/23 COMPUTERIZED FILLING SYSTEM | 5798-RHD     |     | 1440    |          |          |          |    | 01 GB30-1695 | SVS/23 DATAMASTER        | 1 I H       |
| >TRACKING        | PROJEC 5110/5120 ADMIN CONTROL SYSTEM   | 5798-NYF     |     | 115     |          |          |          |    | 12 GB30-1376 | 5120 SYSTEM              | 1 S H       |

| KEYWORD        | PROGRAM INFORMATION                       | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT DR FEATURE # | T I S P L V          |       |
|----------------|---|--------------|-----|---------|----------|----------|----------|------------|--------------------------|----------------------|-------|
| TRAINING       | APL INTERACTIVE TRAINING COURSE           | 5796-PJW     |     | 40      |          |          |          | 24         | G320-5812                | 5748-API             | 1 S H |
| TRAINING       | COBOL INTERACTIVE DEBUG TRAINING          | 5798-CXK     |     | 160     |          |          |          | 12         | GB21-1930                | IIS,IIPS             | 1 L H |
| >TRAINING      | COBOL INTERACTIVE DEBUG TRAINING II       | 5798-DFZ     |     | 995     |          |          |          | 01         | GB21-2825                | IIS,IIPS             | 1 L H |
| TRAINING       | DOCUMENT COMPOSITION TRAINING             | 5796-PNE     |     | 100     |          |          |          | 12         | G320-6331                | IIS,IIPS             | 1 L H |
| TRAINING       | GRAPHIC TRAINING AID                      | 5796-AVJ     |     | 650     |          |          |          | 12         | G320-6336                | V51                  | 1 S H |
| TRAINING       | OPERATOR TRAINING FOR 3033 AP / MP        | 5798-DFA     |     | 105     |          |          |          | 12         | GB21-2769                | IIS,IIPS             | 1 L H |
| TRAINING       | PL/I PROGRAMMING TRAINING                 | 5798-CRJ     |     | 246     |          |          |          | 12         | GB21-2187                | IIS,IIPS             | 1 L H |
| >TRAINING      | S/34 COMPUTER ASSISTED TRAINING           | 5798-NPE     |     | 115     |          |          |          | 06         | GB30-1104                | SYSTEM/34            | 1 S H |
| >TRAINING      | S/34 COMPUTER ASSISTED TRNG II            | 5798-NZA     |     | 130     |          |          |          | 06         | GB30-1481                | SYSTEM/34            | 1 S H |
| TRAINING       | STAIRS/V5 TRAINING COURSE                 | 5796-PLF     |     | 250     |          |          |          | 12         | G320-6078                | IIS,IIPS             | 1 L H |
| TRAINING       | 3276 / 3278 OPERATOR TRAINING COURSE      | 5798-CWZ     |     | 168     |          |          |          | 12         | GB21-2290                | IIS,IIPS             | 1 L H |
| >TRAINING      | 5110/5120 BASIC SELF-STUDY COURS          | 5796-ZAA     |     | 661     |          |          |          | 01         | GB30-1492                | 5120 SYSTEM          | 0 S H |
| TRANSACTION    | ACP TRANSACTION PROCESSING                | 5799-WQP     |     |         |          |          |          |            | GH20-2140                | 5748-T11             | 0 S E |
| TRANSACTION    | DPPX DATA BASE TRANSACTION MANAGEMENT     | 5760-TD1     |     | 124     | 93       | 16       | 26       |            | GC26-3915                | DPPX                 | 1 S K |
| TRANSACTION    | DPPX DTMS DPS TRANSACTION SIMULATION      | 5798-DDP     |     | 95      |          |          |          | 12         | GB21-2701                | 8100/DPPX            | 1 S H |
| TRANSACTION    | IMS TRANSACTION PROFILES PROGRAM          | 5796-PGG     |     | 250     |          |          |          | 12         | G320-5667                | IMS/360,IMS/V5       | 1 I H |
| TRANSACTION    | TRANSACTION CROSS REFERENCE 3600 4700     | 5796-ATR     |     | 150     |          |          |          | 12         | G320-6077                | DOS/V5,OS/V5,CICS/V5 | 1 S H |
| TRANSACTION    | 3640 PS INTERACTIVE TRANSACTION GENERATR  | 5660-267/02  |     | 253     | 189      | 44       | 70       |            | GC31-0010                | 6002                 | 1 S K |
| TRANSACTION    | 3650 RETAIL TRANSACTION STAGING           | 5798-DDQ     |     | 215     |          |          |          | 12         | GB21-2703                | OS/V5,V5E 5748-D14   | 1 S H |
| TRANSACTIONS   | ACP / ACE TRANSACTIONS                    | 5748-T11/02  |     | 2175    |          |          |          |            | GH20-2140                | 6041-6042            | 2 S E |
| TRANSACTIONS   | AIRLINE CONTROL PROGRAM TRANSACTIONS      | 5748-T11/01  |     | 2510    |          |          |          |            | GH20-2140                |                      | 2 S E |
| TRANSACTIONS   | 3614 3624 CONSUMER ONLINE TRANSACTIONS    | 5740-F51     |     | 695     |          |          |          |            | GH20-2019                | OS/V5                | 1 I B |
| TRANSACTIONS   | 3614 3624 CONSUMER ONLINE TRANSACTIONS    | 5746-F57     |     | 589     |          |          |          |            | GH20-2019                | DOS/V5               | 1 I B |
| TRANSACTION    | CICS/V5 FORMATTED TRANSACTION DUMP ONLINE | 5798-CQY     |     | 180     |          |          |          | 12         | GB21-2156                | V51,DOS/V5,CICS/V5   | 1 S H |
| >TRANSCRIPTION | 8100 DPPX POOL OUTPUT TRANSCRIPTION       | 5798-DHW     |     | 600     |          |          |          | 01         | GB21-2926                | DPPX                 | 1 S H |
| TRANSFER       | BATCH TRANSFER PROGRAM                    | 5744-CG1     |     |         |          |          |          |            | GC33-5901                | OS/V51               | 0 S C |
| TRANSFER       | BATCH TRANSFER PROGRAM                    | 5744-CG2     |     |         |          |          |          |            | GC33-5901                | MVS                  | 0 S C |
| TRANSFER       | BATCH TRANSFER PROGRAM                    | 5744-CH1     |     |         |          |          |          |            | GC33-5901                | SVS                  | 0 S C |
| TRANSFER       | BATCH TRANSFER PROGRAM                    | 5747-BW1     |     |         |          |          |          |            | GC33-5900                | DOS/V5               | 0 S C |
| TRANSFER       | BULK DATA TRANSFER                        | 5796-PKK     |     | 60      |          |          |          | 24         | G320-6060                | OS/V52               | 1 S H |
| TRANSFER       | CROSS DOMAIN NETWORK DATA TRANSFER        | 5798-DAE     |     | 100     |          |          |          | 12         | GB21-2498                | DOS/V5E,DOS/V5,OS/V5 | 1 S H |
| TRANSFER       | DATA INTERFILE TRANSFER, TESTING, OPERNS  | 5746-UT3     |     | 36      | 27       | 5        | 8        |            | GH19-6072                | DOS/V5E              | 1 S K |
| TRANSFER       | DISTRIBUTED DATA TRANSFER - HOST          | 5798-DCA     |     | 100     |          |          |          | 12         | GB21-2594                | OS/V5,DDS,5798-DCF   | 1 S H |
| TRANSFER       | DISTRIBUTED DATA TRANSFER - CONTROLLER    | 5798-DCF     |     | 20      |          |          |          | 12         | GB21-2594                | DPCX,3790,5798-DCA   | 1 S H |
| TRANSFER       | FILE TRANSFER PROGRAM                     | 5748-XE6     |     | 42      | 31       | 5        | 8        |            | GH12-5129                | DOS/V5E OS/V5        | 1 S K |
| TRANSFER       | HASP-JES2 POOL TRANSFER PROGRAM           | 5798-CKJ     |     | 480     |          |          |          | 06         | GB21-1903                | OS/MFT/MVT/SVS/MVS   | 0 I H |
| >TRANSFER      | S/3 TO 3741 DATA TRANSFER                 | 5798-AZZ     |     | 62      |          |          |          | 06         | GB21-1207                | SYSTEM/3             | 1 I H |
| >TRANSFER      | S/34 TO 5280 REPORT TRANSFER              | 5798-RDB     |     | 300     |          |          |          | 01         | GB30-1581                | SYSTEM/34            | 1 S H |
| TRANSFER       | STAIRS TO ATMS TRANSFER EXTENDED          | 5798-DEE     |     | 105     |          |          |          | 12         | GB21-2731                | CICS/OS-DOS/V5       | 1 S H |
| TRANSFER       | 3630 / 3600 DATA TRANSFER - CONTROLLER    | 5798-CYK     |     | 120     |          |          |          | 12         | GB21-2385                | 5798-CYL             | 1 S H |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD          | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|---|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| TRANSFER         | 3630 / 3600 DATA TRANSFER - HOST        | 5798-CYL     |     | 85      |          |          |          | 12         | GB21-2389 5798-CYK OS/V5       | 1 S H       |
| TRANSFER         | 3760 BATCH DATA TRANSFER UNDER CICS/V5  | 5798-CQB     |     | 175     |          |          |          | 12         | GB21-2112 EXTM,TCAM,VTAM       | 1 S H       |
| TRANSFER         | 3760 BATCH TRANSFER INSTALLATION AID    | 5798-CYN     |     | 215     |          |          |          | 12         | GB21-2383 DOS/V5               | 1 S H       |
| >TRANSIENT       | COBOL TRANSIENT LIBRARY                 | 5719-CB2     | R   | 8       |          |          |          |            | GC34-0237 SERIES/1             | 1 S C       |
| >TRANSIENT       | DOS PL/I TRANSIENT LIBRARY RELEASE 6    | 5736-LM5     |     | 32      | 24       | 5        | 8        |            | GC33-0004 DOS,DOS/V5/VSE,CMS   | 1 S K       |
| >TRANSIENT       | EDX COBOL TRANSIENT LIBRARY             | 5719-CB4     | R   | 8       |          |          |          |            | GL23-0013 SERIES/1             | 1 S C       |
| >TRANSIENT       | EDX COBOL TRANSIENT LIBRARY VERSION 2   | 5719-CB6     | R   | 15      |          |          |          |            | GC34-0389 SERIES/1             | 1 S E       |
| >TRANSIENT       | OS PL/I TRANSIENT LIBRARY               | 5734-LM5     |     | 32      | 24       | 5        | 8        |            | GC33-0001 OS/V5,MFT/MVT,CMS    | 1 S K       |
| >TRANSIENT       | PL/I EDX TRANSIENT LIBRARY              | 5719-PL6     | R   | 28      |          |          |          |            | GC34-0146 SERIES/1             | 1 S C       |
| >TRANSIENT       | PL/I TRANSIENT LIBRARY                  | 5719-PL3     | R   | 7       |          |          |          |            | GC34-0092 SERIES/1             | 1 S C       |
| >TRANSIENT       | PL/I TRANSIENT LIBRARY VERSION 2        | 5719-PL4     | R   | 28      |          |          |          |            | GC34-0282 SERIES/1             | 1 S C       |
| >TRANSIENT       | RPS COBOL TRANSIENT LIBRARY VERSION 2   | 5719-CB8     | R   | 15      |          |          |          |            | GC34-0391 SERIES/1             | 1 S E       |
| >TRANSIENT       | RPS TRANSIENT ACTIVITY TOOL V 1         | 5799-TDG     | R   | 6       |          |          |          |            | GC34-0286 SERIES/1             | 1 S C       |
| >TRANSIENT       | SSX/VSE PL/I TRANSIENT LIBRARY          | 5666-277     |     | 32      | 24       | 5        | 8        |            | GC33-6143 SSX/VSE              | 1 S K       |
| TRANSIT          | PROOF OF DEPOSIT / TRANSIT              | 5796-AGA     |     | 1170    |          |          |          | 12         | G320-8118 CICS/DOS/V5          | 1 S H       |
| TRANSIT          | PROOF OF DEPOSIT & TRANSIT ENHANCEMENTS | 5796-AKT     |     | 300     |          |          |          | 12         | G320-5687 DOS/V5,CICS/V5       | 1 S H       |
| TRANSIT          | PROOF OF DEPOSIT & TRANSIT 3890 FEATURE | 5796-AKW     |     | 720     |          |          |          | 12         | G320-5687 DOS/V5,CICS/V5       | 1 S H       |
| TRANSIT          | ROUTING - TRANSIT CHECK DIGIT           | 5798-CXD     |     | 300     |          |          |          | 01         | GB21-2317 DOS/V5 OS/V5         | 0 S H       |
| TRANSITION       | CALL/OS TO VSPC TRANSITION PROGRAM      | 5798-CQR     |     | 8300    |          |          |          | 01         | GB21-2151 OS/V5                | 0 I H       |
| >TRANSLATION FAC | 3694 ALLTIMES FILE TRANS FACIL          | 5798-RFJ     |     | 100     |          |          |          | 12         | GB30-1645 SYSTEM/34            | 1 S H       |
| >TRANSLATOR      | CPS ADDRESS TRANSLATOR SUPPORT          | 5799-TBT     | R   | 7       |          |          |          | 24         | GC34-1601 SERIES/1             | 1 S C       |
| >TRANSMISSION    | 3770-P BATCH TRANSMISSION SERVICES      | 5798-CNX     |     | 130     |          |          |          | 12         | GB21-2044 DOS/V5 OS/V5         | 1 S H       |
| >TRANSMIT        | S/1 DATA COLLEC EDIT & TRANSMIT         | 5798-RCX     | P   | 138     |          |          |          | 12         | GB30-1552 SERIES/1             | 1 S H       |
| >TRANSPORTATION  | VEHICLE MAINTENANCE SCHEDULING          | 5798-AFY     |     | 189     |          |          |          | 12         | GB21-0325 SYSTEM/3             | 1 I H       |
| >TRAVEL AGENCIES | S/1 EDX CF AIRLINE SUPPORT              | 5798-ZZE     | P   | 50      |          |          |          | 24         | GB30-1550 SERIES/1             | 1 S H       |
| TREND            | TREND ANALYSIS                          | 5740-F12     |     | 838     |          |          |          |            | GH20-1861 IMS/V5,OS/V5         | 1 S B       |
| TREND            | TREND ANALYSIS - GRAPHICS & DATA BASE   | 5740-XYT     |     | 431     |          |          |          |            | GH20-2445 CICS/OS/V5,3279      | 2 S B       |
| >TRIAL BALANCE   | S/23 CONSTR INFO - GEN LEDG             | 5796-ZAT     |     | 1550    |          |          |          | 01         | GB30-1728 SYS/23 DATAMASTER    | 1 I H       |
| >TRUCKING        | VEHICLE MAINT/PARTS INVENTORY           | 5796-NNN     |     | 460     |          |          |          | 12         | GB30-1067 SYSTEM/32            | 1 S H       |
| TRUST            | PERSONAL TRUST SYSTEM                   | 5796-AHH     |     | 1000    |          |          |          | 24         | G320-8139 DOS,CICS             | 1 S H       |
| >TRUST DEPT ACCT | TRUST DEPT ACCOUNTING SYSTEM            | 5796-NRY     |     | 575     |          |          |          | 12         | GB30-0559 SYSTEM/32            | 1 S H       |
| >TRUST DEPT ACCT | TRUST DEPT ACCOUNTING SYSTEM            | 5796-NTC     |     | 575     |          |          |          | 12         | GB30-0559 SYSTEM/34            | 1 S H       |
| TSIO             | VS TSIO FOR VSPC                        | 5740-XXR     |     | 319     |          |          |          |            | GH20-9064 VSAPL WITH VSPC      | 1 S B       |
| >TSO             | APL DATA INTERFACE II FOR TSO           | 5796-PNJ     |     | 250     |          |          |          |            | G320-6415 TSO                  | 1 S E       |
| TSO              | AUTOMATIC PASSWORD GENERATION FOR TSO   | 5796-PFR     |     | 80      |          |          |          | 12         | G320-5653 OS/V52 (TSO)         | 1 S H       |
| TSO              | DCF FOREGROUND: CMS TSO ATMS III        | 5748-XX9/02  |     | 53      |          |          |          |            | GH20-9158 6043-4,6072-3,6076-7 | 1 S L       |
| TSO              | FINANCIAL PLANNING SYSTEM - TSO         | 5798-CXP     |     | 352     |          |          |          | 12         | GB21-2335 TSO WITH VSAPL       | 1 S H       |
| TSO              | IMS APL DATA LINK FOR TSO               | 5796-PKW     |     | 442     |          |          |          |            | G320-6065 TSO WITH VSAPL       | 1 S E       |
| TSO              | INTRODUCTION TO TSO                     | 5798-CKT     |     | 256     |          |          |          | 12         | GB21-1924 IIS,IIPS             | 1 L H       |
| TSO              | STRUCTURED PROGRAMMING FACILITY / TSO   | 5740-XT8     |     | 589     |          |          |          |            | GH20-1974 OS/V52, 3270 DISPLAY | 1 I B       |



| KEYWORD     | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| TSO         | TSO / IQRP INTERFACE                     | 5796-PHZ     |     | 300     |          |          |          |    | 24 G320-5719 | OS/VS2,TSO               | 1 S H       |
| TSO         | TSO / JES2 BATCH DISPLAY FACILITY        | 5798-CYE     |     | 60      |          |          |          |    | 12 GB21-2373 | TSO JES2                 | 1 S H       |
| TSO         | TSO ASSEMBLER PROMPTER                   | 5734-CP2     |     | 29      |          |          |          |    | GC33-4038    | TSO                      | 1 S C       |
| TSO         | TSO COBOL PROMPTER                       | 5734-CP1     |     | 38      | 28       | 5        | 8        |    | GC28-6454    | TSO                      | 1 S K       |
| TSO         | TSO COMMAND PACKAGE                      | 5740-XT6     |     | 129     | 96       | 7        | 11       |    | GC28-0746    | MVS                      | 1 S K       |
| TSO         | TSO COMMAND PROCESSOR                    | 5798-AVF     |     | 90      |          |          |          |    | 12 GB21-1122 | OS/VS2                   | 1 I H       |
| TSO         | TSO DATA UTILITIES                       | 5734-UT1     |     | 144     |          |          |          |    | GH20-9057    | TSO                      | 1 S C       |
| TSO         | TSO DATA-SET PRINT                       | 5798-CPF/01  |     | 200     |          |          |          |    | 24 GB21-2069 | OS/VS2 (MVS)             | 1 S H       |
| TSO         | TSO DATA-SET PRINT - VTAM EXTENSIONS     | 5798-CPF/02  |     | 76      |          |          |          |    | 12 GB21-2069 | 6025-6026                | 1 S H       |
| >TSO        | TSO EXTENSIONS FOR MVS                   | 5665-285     | P   | 425     | 326      | 65       | 104      |    | GC28-1061    | MVS/SP VERSION 1         | 2 S K       |
| >TSO        | TSO EXTENSIONS FOR MVS/XA                | 5665-293     | P   | 520     | 390      | 80       | 128      |    | GC28-1061    | MVS/SP VERSION 2         | 2 S K       |
| TSO         | TSO EXTENDED DISPLAY SESSION MANAGER     | 5740-XE2     |     | 278     |          |          |          |    | GC28-0911    | MVS/TSO                  | 1 S B       |
| TSO         | TSO FORTRAN PROMPTER                     | 5734-CP3     |     | 32      |          |          |          |    | GC28-6884    | 5734-F02                 | 1 S C       |
| TSO         | TSO HOST DEVELOPMENT, TESTING 8100 COBOL | 5785-DCF     |     | 4000    |          |          |          |    | 01 GB21-2570 | OS/VS                    | 1 S H       |
| TSO         | TSO PROGRAM DEVELOPMENT                  | 5796-AGH     |     | 205     |          |          |          |    | 24 G320-8114 | OS,OS/VS2 (TSO)          | 1 S H       |
| TSO         | TSO PROGRAMMING CONTROL FACILITY II      | 5798-CLW     |     | 40      |          |          |          |    | GB21-1987    | MVS                      | 1 S E       |
| TSO         | TSO VS2 PROGRAMMING CONTROL FACILITY     | 5798-BBJ     |     | 160     |          |          |          |    | 12 GB21-1273 | OS/VS2                   | 1 S H       |
| TSO         | TSO 3270 DISPLAY COPY SUPPORT            | 5798-CHL     |     | 245     |          |          |          |    | 12 GB21-1795 | OS/VS2,TSO               | 1 S H       |
| >TSO        | USING TSO EFFECTIVELY II                 | 5798-DFX     |     | 995     |          |          |          |    | 01 GB21-2818 | IIS,IIPS                 | 1 L H       |
| TSO         | VS APL FOR TSO                           | 5796-ALB     |     | 103     |          |          |          |    | 24 G320-5708 | OS/VS2 SVS,OS/M          | 1 S H       |
| TSO         | 3270 FULL SCREEN TSO COBOL SUPPORT       | 5796-ATK     |     | 130     |          |          |          |    | 12 G320-6067 | OS/VS2 (MVS)             | 1 S H       |
| TSO         | 3800 INTERACTIVE CHARACTER DESIGN: TSO   | 5798-CTJ     |     | 165     |          |          |          |    | 12 GB21-2191 |                          | 1 I H       |
| >TSO/E      | TSO EXTENSIONS FOR MVS                   | 5665-285     | P   | 425     | 326      | 65       | 104      |    | GC28-1061    | MVS/SP VERSION 1         | 2 S K       |
| >TSO/E      | TSO EXTENSIONS FOR MVS/XA                | 5665-293     | P   | 520     | 390      | 80       | 128      |    | GC28-1061    | MVS/SP VERSION 2         | 2 S K       |
| TSO1        | INTRODUCTION TO TSO                      | 5798-CKT     |     | 256     |          |          |          |    | 12 GB21-1924 | IIS,IIPS                 | 1 L H       |
| TSS         | TSS ENHANCEMENTS                         | 5799-AXA     |     | 5250    |          |          |          |    |              | TSS/370                  | 1 S E       |
| TSS         | TSS ENHANCED SUPPORT II                  | 5799-AYX     |     | 3750    |          |          |          |    |              | TSS/370,5799-AXA         | 1 S E       |
| >TSS/370    | TSS/370 ENHANCED SUPPORT III             | 5799-BGA     |     | 9000    |          |          |          |    |              | TSS/370                  | 1 S E       |
| TUBE        | 3277 GRAPHICS ATTACHMENT STORAGE TUBE    | 5798-DAG     |     | 51      |          |          |          |    | 12 GB21-2503 | MVS/TSO VM/CMS           | 1 S H       |
| >TUTOR      | TYPING TUTOR (DISKETTE VER)              | 6024-013     |     | 25      |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >TUTOR      | TYPING TUTOR (CASSETTE VER)              | 6024-018     |     | 25      |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >TV         | S/34 CABLE TV O/L CUSTOMER SERV          | 5796-N2M     |     | 356     |          |          |          |    | 24 GB30-1426 | SYSTEM/34                | 1 S H       |
| >TYPE       | MANYFONT TEXT PROCESSING TYPE FACES      | 5796-PPE     |     | 120     |          |          |          |    | 12 G320-6634 | VM/CMS,DCF               | 1 S H       |
| TYPE-I      | DOS TYPE-I PROGRAMS RUNNING WITH DOS/VS  | 5731-AA1     |     |         |          |          |          |    |              |                          | 0 S S       |
| >TYPING     | TYPING TUTOR (DISKETTE VER)              | 6024-013     |     | 25      |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >TYPING     | TYPING TUTOR (CASSETTE VER)              | 6024-018     |     | 25      |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >TYPING AID | BASIC TEXT EDITOR                        | 5798-NPT     |     | 58      |          |          |          |    | 12 GB30-1153 | 5120 SYSTEM              | 1 S H       |
| >UCSD       | UCSD P-SYSTEM (R) WITH UCSD-PASCAL (R)   | 6024-016     |     | 625     |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >UCSD       | UCSD P-SYSTEM (R) WITH FORTRAN-77        | 6024-017     |     | 625     |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |
| >UCSD       | UCSD PASCAL (R) COMPILER                 | 6024-033     |     | 175     |          |          |          |    | 01 GX20-2397 | IBM PERSONAL COMPUTR     | 0 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >UCSD-PASCAL     | UCSD P-SYSTEM (R) WITH UCSD-PASCAL (R)   | 6024-016     |     | 625     |          |          |          | 01         | GX20-2397 IBM PERSONAL COMPUTR | 0 S H       |
| UDACS            | UNIVERSAL DUMP, ALTER, COPY, & SELECT    | 5796-BAF     |     | 50      |          |          |          | 12         | G320-6405 OS/V5                | 1 S H       |
| >UNION           | CREDIT UNION SYSTEM - HOST               | 5796-BBW     | P   | 2250    |          |          |          | 24         | G320-6666 DOS/V5/VSE,CICS/V5   | 1 S H       |
| >UNION           | CREDIT UNION SYSTEM - TELLER             | 5796-BBX     | P   | 100     |          |          |          | 12         | G320-6666 5796-BBW             | 1 S H       |
| >UNION           | CREDIT UNION SYSTEM - ATM                | 5796-BBY     | P   | 220     |          |          |          | 24         | G320-6666 5796-BBW             | 1 S H       |
| UNIT             | CRYPTOGRAPHIC UNIT SUPPORT               | 5740-XY6     |     | 311     | 233      | 25       | 40       |            | GC28-1015 OS/V5                | 1 S K       |
| >UNIT            | UNIT INVENTORY TECHNIQUES                | 5701-D11     |     | 94      |          |          |          |            | GH20-0931 SYSTEM/3             | 1 I C       |
| UNIVAC           | UNIVAC TO IBM COBOL CONVERSION AID       | 5785-JAC     |     | 3000    |          |          |          | 01         | GB21-2763 DOS/VSE OS/V5        | 0 S H       |
| UNIVERSAL        | UNIVERSAL DUMP, ALTER, COPY, & SELECT    | 5796-BAF     |     | 50      |          |          |          | 12         | G320-6405 OS/V5                | 1 S H       |
| UNIVERSAL        | 3800 UNIVERSAL PRODUCT CODE PRINTING     | 5798-CTA     |     | 235     |          |          |          | 12         | GB21-2219 OS/V5                | 1 S H       |
| UPC              | 3800 UNIVERSAL PRODUCT CODE PRINTING     | 5798-CTA     |     | 235     |          |          |          | 12         | GB21-2219 OS/V5                | 1 S H       |
| UPDATE           | ALPHA SEARCH INQUIRY SYS ONLINE UPDATE   | 5798-CFJ     |     | 400     |          |          |          | 12         | GB21-1677 CICS/DOS/OS/V5,CMS   | 1 S H       |
| UPDATE           | GIS/V5 UPDATE & CREATE FEATURE           | 5740-XX7/03  |     | 767     | 575      | 47       | 75       |            | GH20-9035 6015-6017            | 2 S K       |
| UPDATE           | RACF CODES UPDATE SYSTEM                 | 5796-PLK     |     | 90      |          |          |          | 12         | G320-6093 MVS AND RACF         | 1 S H       |
| USAGE            | 3614 USAGE REPORTING SYSTEM              | 5798-CQK     |     | 200     |          |          |          | 24         | GB21-2132 DOS/V5,DOS/VSE,OS/V5 | 1 I H       |
| USER             | CPCS INSTALLED USER EDUCATIONAL GUIDE    | 5796-001     |     | 2700    |          |          |          | 01         | G320-5807 DOCUMENTATION MATLS  | 0 S H       |
| USER             | DOSCHECK INSTALLED USER EDUCATION GUIDE  | 5796-002     |     | 1700    |          |          |          | 01         | G320-6086 DOCUMENTATION MATLS  | 0 S H       |
| USER             | IMS/V5 USER SECURITY                     | 5798-CTZ     |     | 150     |          |          |          | 12         | GB21-2252 OS/V51/SVS, VSAM     | 1 S H       |
| USING            | APL/DI FILE CREATE USING PL/I            | 5796-PKP     |     | 85      |          |          |          | 12         | G320-6066 5796-PJZ,-PKA,-PKB   | 1 S H       |
| >USING           | ORDER ENTRY USING DPPX/DMS               | 5798-DEZ     |     | 175     |          |          |          | 24         | GB21-2794 DPPX/DMS,DPPX/DTMS   | 1 S H       |
| >USING           | PRESENTATION ENHANCEMENTS USING THE 3800 | 5798-DJY     | P   | 120     |          |          |          | 12         | GB21-2965 OS/V5                | 1 S H       |
| >USING           | USING TSD EFFECTIVELY II                 | 5798-DFX     |     | 995     |          |          |          | 01         | GB21-2818 IIS,IIPS             | 1 L H       |
| USING            | 2260 2741 COMPATIBILITY USING VTAM/TCAM  | 5796-ATW     |     | 275     |          |          |          | 12         | G320-6079 OS/V51, OS/V52       | 1 S H       |
| >UTILITIES       | EDX UTILITIES - VERSION 2                | 5798-NRQ     | P   | 12      |          |          |          |            | GB30-1212 SERIES/1             | 1 S H       |
| >UTILITIES       | PUBLIC UTILITY CUST SERVICE SYS          | 5798-NQG     |     | 287     |          |          |          | 12         | GB30-1159 SYSTEM/34            | 1 S H       |
| >UTILITY BILLING | PUBLIC UTILITY CUST SERVICE SYS          | 5798-NQG     |     | 287     |          |          |          | 12         | GB30-1159 SYSTEM/34            | 1 S H       |
| UTILIZATION      | DOS/V5 DASD SPACE UTILIZATION ANALYSIS   | 5798-CHW     |     | 64      |          |          |          | 12         | GB21-1810 DOS/V5               | 1 S H       |
| UTILIZATION      | HEALTH CARE: UTILIZATION REVIEW SYSTEM   | 5796-AWN     |     | 700     |          |          |          | 24         | G320-6157 DOS/V5, DL/I         | 1 S H       |
| UTILIZATION      | V51 UTILIZATION MONITOR                  | 5798-CAK     |     | 193     |          |          |          | 12         | GB21-1404 OS/V51               | 1 S H       |
| >UTILIZATION ANA | S/34 WORK STATION UTILIZ ANALY           | 5796-RDN     |     | 270     |          |          |          | 01         | GB30-1598 SYSTEM/34            | 1 S H       |
| >VAL             | INV MGMT PROD REP & ORD VAL EVAL IMPROVE | 5714-D46     |     | 226     | 169      |          |          |            | GH30-0080 SYSTEM/38            | 1 I D       |
| VALIDATION       | PROGRAM VALIDATION SERVICES WITH CICS/V5 | 5798-CNG     |     | 90      |          |          |          | 12         | GB21-2017 DOS/V5               | 1 S H       |
| VALUATION        | STATUTORY GAAP VALUATION SYS             | 5796-AJR     |     | 1040    |          |          |          | 12         | G320-5663 DOS/V5               | 1 I H       |
| VALUE            | LDMS II - NORMAL VALUE / DELTA CHECKING  | 5798-DCH     |     | 390     |          |          |          | 12         | GB21-2602 5796-APB OR -AWC     | 1 S H       |
| VARIABLE         | V5 APL VARIABLE CONVERSION PROCESSOR     | 5798-DEH     |     | 140     |          |          |          | 12         | GB21-2739 VSAPL                | 1 S H       |
| >VARIETY CHILDR  | PATIENT ORDER MGMT/COMM SYS              | 5796-NRA     |     | 805     |          |          |          | 12         | GB30-1165 SYSTEM/3             | 1 S H       |
| VECTOR           | VECTOR PROCESSING SUBSYSTEM              | 5744-CK2     |     |         |          |          |          |            | GC24-5182 OS/V5                | 0 S S       |
| VEHICLE          | VEHICLE SCHEDULING PROGRAM - EXTENDED    | 5734-XM5     |     | 221     |          |          |          |            | GH19-2000 OS/V5                | 1 I C       |
| VEHICLE          | VEHICLE SCHEDULING PROGRAM - EXTENDED    | 5736-XM3     |     | 115     |          |          |          |            | GH19-2000 DOS,DOS/V5           | 1 I C       |
| VEHICLE          | VEHICLE MAINTENANCE AND COST ANALYSIS    | 5798-AAG     |     | 132     |          |          |          | 12         | GB21-0019 DOS                  | 0 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|--|--------------|-----|---------|----------|----------|----------|-----------------|--------------------------|-------------|
| >VEHICLE MAINT   | VEHICLE MAINT/PARTS INVENTORY            | 5796-NNN     |     | 460     |          |          |          | 12 GB30-1067    | SYSTEM/32                | 1 S H       |
| >VEHICLE MAINTEN | VEHICLE MAINTENANCE SCHEDULING           | 5798-AFY     |     | 189     |          |          |          | 12 GB21-0325    | SYSTEM/3                 | 1 I H       |
| VENDOR           | DIRECT STORE VENDOR DELIVERY CONTROL     | 5796-BBE     |     | 655     |          |          |          | 24 G320-6423    | DOS/V5 CICS DL/I         | 1 S H       |
| >VENDOR ACCTS PA | RETAIL VENDOR ACCTS PAY SYSTEM           | 5796-NTD     |     | 115     |          |          |          | 12 GB30-0771    | SYSTEM/32                | 1 S H       |
| >VENDOR ANALYSIS | S/34 ONLINE ACCTS PAYABLE                | 5798-RFT     |     | 175     |          |          |          | 12 GB30-1670    | SYSTEM/34                | 1 S H       |
| VERIFICATION     | CIRCUIT BOARD DESIGN VERIFICATION SYSTEM | 5796-BBN     |     | 598     |          |          |          | G320-6431       | VM/CMS 5796-BBL          | 1 S E       |
| VIDEO            | ONLINE PREPARATION OF VIDEO FORMAT       | 5798-BAC     |     | 142     |          |          |          | 06 GB21-1210    | DOS/DOS                  | 1 S H       |
| VIDEO            | VIDEO SUPPORT AIDS                       | 5796-AKK     |     | 115     |          |          |          | 12 G320-5668    | DOS/V5 CICS/V5           | 1 S H       |
| VIDEO            | VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY | 5798-CJG     |     | 140     |          |          |          | 12 GB21-1843    | DOS/V5 VIDEO/370         | 1 S H       |
| VIDEO            | VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY | 5798-CJP     |     | 140     |          |          |          | 12 GB21-1843    | OS/V5 VIDEO/370          | 1 S H       |
| >VIDEO/370       | DOS VIDEO/370 REVERSE EXTRACT II         | 5798-DHD     | P   | 75      |          |          |          | 12 GB21-2893    | DOS/VSE                  | 1 S H       |
| VIDEO/370        | VIDEO/370 CICS FEATURE OS                | 5734-RC5/02  |     | 81      |          |          |          | GC28-8313       | 6085-6087                | 1 S C       |
| VIDEO/370        | VIDEO/370 CICS FEATURE DOS               | 5736-RC3/02  |     | 61      | 45       | 19       | 31       | GC28-8313       | 6038-6040                | 0 S C       |
| VIDEO/370        | VIDEO/370 ONLINE STATUS DISPLAY          | 5798-CJA     |     | 104     |          |          |          | 12 GB21-1840    | DOS/V5,OS/V5             | 1 S H       |
| VIDEO/370        | VIDEO/370 VSE/VSAM SUPPORT               | 5798-DFK     |     | 85      |          |          |          | 12 GB21-2800    | 5736-RC3/02 DOS/VSE      | 1 S H       |
| VIDEO/370        | VISUAL DATA ENTRY ONLINE SYSTEM/370      | 5734-RC5/01  |     | 270     |          |          |          | GC28-8313       | OS/MFT/MVT/V5            | 1 S C       |
| VIDEO/370        | VISUAL DATA ENTRY ONLINE SYSTEM/370      | 5736-RC3/01  |     | 187     | 139      | 75       | 120      | GC28-8313       | DOS,DOS/V5               | 1 S C       |
| VIDEO/370        | VTAM INTERFACE TO VIDEO/370              | 5798-CNK     |     | 170     |          |          |          | 12 GB21-2025    | OS/V5                    | 1 S H       |
| >VIEW            | HOST DOCUMENT VIEW FACILITY              | 5796-BCL     | P   | 180     |          |          |          | 24 G320-6640    | MVS,DISOSS,IMS,CICS      | 1 S H       |
| VIEWER           | SOFTCOPY - A CADAM (R) DRAWING VIEWER    | 5796-PNP     |     | 293     |          |          |          | G320-6388       | MVS-TSO,VM/CMS,32776     | 1 S E       |
| VIEWING          | DIRECT DOCUMENT VIEWING FACILITY         | 5740-XYK/02  |     | 35      |          |          |          | GH12-5124       | 6119-6121                | 2 S B       |
| VIEWING          | DIRECT DOCUMENT VIEWING FACILITY         | 5740-XY9/02  |     | 278     |          |          |          | GH12-5124       | 6107-6108                | 2 S B       |
| >VIRTUAL         | S/1 VIRTUAL BASIC SUPERVISOR             | 5798-RBY     | P   | 29      |          |          |          | 36 GB30-1466    | SERIES/1                 | 1 S H       |
| >VIRTUAL         | S/1 WATERLOO VIRTUAL BASIC               | 5796-RAL     | P   | 98      |          |          |          | 36 GB30-1466    | SERIES/1                 | 1 S H       |
| >VIRTUAL MACH    | VIRT MACH FACIL/370 FOR S/1              | 5798-RDR     |     | 720     |          |          |          | 12 GB30-1590    | SERIES/1                 | 1 S H       |
| VISA             | DATA ENTRY FOR VISA & MASTER-CHARGE      | 5798-CZN     |     | 600     |          |          |          | 12 GB21-2472    | 8100/DPCX 3790           | 1 S H       |
| >VISICALC        | VISICALC (R)                             | 6024-004     |     | 200     |          |          |          | 01 GX20-2397    | IBM PERSONAL COMPUTR     | 0 S H       |
| VISUAL           | VISUAL DATA ENTRY ONLINE SYSTEM/370      | 5734-RC5/01  |     | 270     |          |          |          | GC28-8313       | OS/MFT/MVT/V5            | 1 S C       |
| VISUAL           | VISUAL DATA ENTRY ONLINE SYSTEM/370      | 5736-RC3/01  |     | 187     | 139      | 75       | 120      | GC28-8313       | DOS,DOS/V5               | 1 S C       |
| >VISUAL          | VISUAL AIDS PREPARATION SYSTEM           | 5798-DJZ     |     | 1300    |          |          |          | 01 GB21-2968    | GDDM/PDF                 | 1 S H       |
| VLIB             | VM VIRTUAL TAPE LIBRARIAN                | 5796-PNZ     |     | 46      |          |          |          | 24 G320-6421    | VM/CMS PL/I              | 1 S H       |
| VM               | AIRLINE CONTROL PROGRAM TESTING IN VM    | 5798-DEP     |     | 400     |          |          |          | 12 GB21-2743    | VM/SP,VM/BSEF,VM/SE      | 1 S H       |
| VM               | INFORMATION / MVS - VSE - VM             | 5735-OZ5/02  |     | 221     |          |          |          | GC34-2053       | 6052                     | 1 S C       |
| >VM              | INFORMATION / VM - VSE                   | 5735-OZ5/05  |     | 110     |          |          |          | GC34-2069       | 6053                     | 1 S C       |
| VM               | VIRTUAL MACHINE / 370                    | 5749-010     |     |         |          |          |          | GC20-1800       |                          | 0 S J       |
| VM               | VM BASIC SYSTEM EXTENSIONS VM/BSE        | 5748-XX8     |     | 136     | 102      | 33       | 52       | GC20-1828       | VM                       | 2 S K       |
| VM               | VM DISKETTE COPY                         | 5796-PNT     |     | 65      |          |          |          | 12 G320-6406    | VM/CMS, DISKETTE RDR     | 1 S H       |
| VM               | VM PASS THROUGH FACILITY                 | 5748-RC1     |     | 139     | 104      | 65       | 104      | GC24-5206       | VM/SP,VM/BSEF,VM/SE      | 1 S K       |
| >VM              | VM PASS THROUGH SUPPORT FOR 3101         | 5796-PPF     |     | 170     |          |          |          | 01 G320-6637    | VM/SP,VM/BSEF,VM/SE      | 1 S E       |
| VM               | VM REAL TIME MONITOR                     | 5796-PNA     |     | 44      |          |          |          | G320-6165       | VM/CMS                   | 1 S E       |

KEYWORDS - ALPHABETIC SEQUENCE

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| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE      | T I S P L Y |
|----------------|--|--------------|-----|---------|----------|----------|----------|------------|-----------------------------|-------------|
| VM             | VM SYSTEM PRODUCT - SP & XEDIT           | 5664-167     |     | 330     | 247      | 50       | 80       |            | GC20-1838 VM/CMS REL 6      | 2 S K       |
| VM             | VM VIRTUAL TAPE LIBRARIAN                | 5796-PNZ     |     | 46      |          |          |          | 24         | G320-6621 VM/CMS PL/I       | 1 S H       |
| VM/BSE         | VM BASIC SYSTEM EXTENSIONS VM/BSE        | 5748-XX8     |     | 136     | 102      | 33       | 52       |            | GC20-1828 VM                | 2 S K       |
| VM/CMS         | BATCH MONITOR FOR VM/CMS                 | 5796-PGZ     |     | 170     |          |          |          | 12         | G320-5691 VM/CMS            | 1 S H       |
| VM/CMS         | CMS SORT FOR VM/CMS                      | 5798-BDH/01  |     | 78      |          |          |          |            | 12 GB21-1376 VM/CMS         | 1 S H       |
| VM/CMS         | FINANCIAL PLANNING SYSTEM II - VM/CMS    | 5798-DCN     |     | 200     |          |          |          |            | GB21-2622 VM/CMS WITH VSAPL | 1 S E       |
| VM/CMS         | FORTRAN UTILITIES FOR VM/CMS             | 5798-DFH     |     | 200     |          |          |          | 12         | GB21-2796 VM/CMS            | 1 S H       |
| VM/CMS         | IMS APL DATA LINK FOR VM/CMS             | 5796-PLE     |     | 442     |          |          |          |            | G320-6098 VM/CMS WITH VSAPL | 1 S E       |
| VM/CMS         | VM/CMS SPOOLING FOR LOCAL 328X PRINTER   | 5796-PKZ     |     | 60      |          |          |          | 12         | G320-6073 VM/CMS            | 1 S H       |
| VM/CMS         | VM/CMS CONTROL & ACCOUNTING PROGRAMS     | 5798-AYP     |     | 47      |          |          |          |            | 12 GB21-1110 VM/CMS         | 1 S H       |
| VM/CMS         | VM/CMS PERFORMANCE MONITOR ANALYSIS      | 5798-CPX     |     | 184     |          |          |          |            | GB21-2100 VM/CMS            | 1 S E       |
| VM/CMS         | VM/CMS LIBRARY & SPMOL-II SIMULATOR      | 5798-CYA     |     | 95      |          |          |          | 12         | GB21-2361 VM/CMS            | 1 S H       |
| VM/INTERACTIVE | VM/INTERACTIVE PROBLEM CONTROL SYSTEM    | 5748-SAI     |     | 41      | 30       | 5        | 8        |            | GC34-2019 VM/CMS            | 1 S K       |
| VM/SP          | VM SYSTEM PRODUCT - SP & XEDIT           | 5664-167     |     | 330     | 247      | 50       | 80       |            | GC20-1838 VM/CMS REL 6      | 2 S K       |
| >VM/SP         | VM/SP HIGH PERFORMANCE OPTION            | 5664-173     | P   | 1400    | 1050     | 100      | 160      |            | VM/SP/MVS/SP                | 2 S K       |
| >VM/SP         | VM/SP SYSTEM IPO/E                       | 5750-AAK     |     | *       | *        | *        | *        |            | GC20-1890 VM/SP             | * * *       |
| >VM/SP         | VM/SP GRAPHIC SUBROUTINE PACKAGE         | 5796-PPR     |     | 80      |          |          |          | 24         | G320-6657 VM/SP             | 1 S H       |
| VM/VCNA        | VM/VTAM COMM NETWORK APPLICATIONS - VCNA | 5735-RC5     |     | 284     | 213      | 105      | 168      |            | GC27-0501 VM/SP,DOS/VSE,VS1 | 2 S K       |
| VM/VTAM        | VM/VTAM COMM NETWORK APPLICATIONS - VCNA | 5735-RC5     |     | 284     | 213      | 105      | 168      |            | GC27-0501 VM/SP,DOS/VSE,VS1 | 2 S K       |
| >VM/XA         | VM/XA MIGRATION AID FOR MVS/XA           | 5664-169     | P   | 3500    | 2625     | 500      | 800      |            | MVS/SP,MVS/XA,CMS           | 2 S K       |
| VMAP           | VM/CMS PERFORMANCE MONITOR ANALYSIS      | 5798-CPX     |     | 184     |          |          |          |            | GB21-2100 VM/CMS            | 1 S E       |
| VOLUME         | DISK VOLUME MAP                          | 5796-PFL     |     | 70      |          |          |          | 12         | G320-5550 OS/MVT/MFT,OS/VS  | 1 I H       |
| VOLUME         | 3800 HIGH VOLUME PRINTING PROGRAM        | 5796-ARA     |     | 180     |          |          |          | 12         | G320-5821 OS/VS             | 1 S H       |
| VS/BASIC       | VS/BASIC                                 | 5748-XX1     |     | 514     | 385      | 16       | 25       |            | GC28-8302 TSO / CMS         | 1 S K       |
| VSAM           | VSAM ACCESS SUBROUTINES                  | 5796-AJW     |     | 675     |          |          |          | 01         | G320-8161 OS/VS1-2          | 1 S H       |
| VSAM           | VSAM ACCESS SUBROUTINES                  | 5796-AJX     |     | 607     |          |          |          | 01         | G320-8161 DOS/VS            | 1 S H       |
| VSAM           | VSAM AND ACCESS METHOD SERVICES COURSE   | 5798-DAN     |     | 156     |          |          |          | 12         | GB21-2518 IIS,IIPS          | 1 L H       |
| VSAM           | VSAM CATALOG LIST DOS/VS                 | 5796-ALQ     |     | 70      |          |          |          | 12         | G320-5716 DOS/VS            | 1 I H       |
| VSAM           | VSAM CATALOG LIST OS                     | 5796-ALR     |     | 70      |          |          |          | 12         | G320-5716 OS/VS1,SVS,MVS    | 1 I H       |
| VSAM           | VSAM CONTROL AREA FREESPACE MAP UTILITY  | 5796-AYX     |     | 90      |          |          |          | 12         | G320-6366 OS/VS             | 1 S H       |
| VSAM           | VSAM OPERATIONS UTILITY                  | 5798-CYR     |     | 150     |          |          |          | 12         | GB21-2393 DOS/VS,DOS/VSE    | 1 S H       |
| VSAM           | VSAM SELECTIVE RESTORE                   | 5796-AXL     |     | 75      |          |          |          | 12         | G320-6156 VS1               | 0 S H       |
| VSAM           | VSE VSAM                                 | 5746-AM2/01  |     | 55      | 41       | 18       | 29       |            | GC24-5143 DOS/VSE           | 1 S K       |
| VSAM           | VSE VSAM SPACE MANAGEMENT FOR SAM        | 5746-AM2/02  |     | 32      | 24       | 7        | 11       |            | GC24-5143 6073-6074         | 1 S K       |
| VSAM           | VSE VSAM FAST BACKUP RESTORE FEATURE     | 5746-AM2/03  |     | 24      | 18       | 5        | 8        |            | GC24-5190 6090-6091         | 1 S K       |
| VSAMZAP        | VSAMZAP FOR OS/VS                        | 5796-PJQ     |     | 48      |          |          |          | 12         | G320-5826 OS/VS             | 1 I H       |
| VSAMZAP        | VSAMZAP FOR DOS/VS                       | 5796-PKG     |     | 60      |          |          |          | 12         | G320-5826 DOS/VS            | 1 I H       |
| VSAMZAP        | VSAM AND ACCESS METHOD SERVICES COURSE   | 5798-DAN     |     | 156     |          |          |          | 12         | GB21-2518 IIS,IIPS          | 1 L H       |
| VSAPL          | A PROGRAMMING LANGUAGE - APL             | 5748-AP1     |     | 305     | 228      | 33       | 52       |            | GH20-9064 CIGS,VSPC,CMS,TSO | 1 S K       |
| VSAPL          | VSAPL ADVANCED STATISTICS LIBRARY        | 5796-PJT     |     | 212     |          |          |          | 12         | G320-5811 VSAPL             | 1 I H       |

| KEYWORD    | PROGRAM INFORMATION                     | ORDER NUMBER  | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT DR FEATURE #      | T I S P L Y |
|------------|---|---------------|-----|---------|----------|----------|----------|------------|-------------------------------|-------------|
| VSE        | INFORMATION / MVS - VSE - VM            | 5735-OZS/02   |     | 221     |          |          |          |            | GC34-2053 6052                | 1 S C       |
| >VSE       | INFORMATION / VM - VSE                  | 5735-OZS/05   |     | 110     |          |          |          |            | GC34-2069 6053                | 1 S C       |
| VSE        | VSE / CENTRAL CONTROL FACILITY          | 5798-DCZ      |     | 207     |          |          |          |            | GB21-2663 DOS/VSE             | 1 S E       |
| VSE        | VSE ACCESS CONTROL LOGGING              | 5746-XE7      |     | 48      | 36       | 17       | 28       |            | GH12-5130 DOS/VSE             | 1 S K       |
| VSE        | VSE ADVANCED FUNCTIONS                  | 5746-XE8      |     | 180     | 135      | 48       | 76       |            | GC33-6108 DOS/VSE             | 1 S K       |
| VSE        | VSE FAST COPY DATA-SET PROGRAM          | 5746-AM4      |     | 417     |          |          |          | 01         | GC33-6081 DOS/VSE             | 1 S L       |
| VSE        | VSE INTERACTIVE PROBLEM CONTROL         | 5746-SA1      |     | 31      | 23       | 5        | 8        |            | GC34-2017 DOS/VSE             | 1 S K       |
| VSE        | VSE PERFORMANCE TOOL                    | 5796-PLQ      |     | 201     |          |          |          |            | G320-6155 DOS/VS,DOS/VSE      | 1 S E       |
| VSE        | VSE S/3 3340 DATA IMPORT                | 5746-AM3      |     | 1320    |          |          |          | 01         | GC33-6062 DOS/VSE VSAM        | 0 S C       |
| VSE        | VSE SYSTEM IPO/E CICS INSTALLATION AID  | 5798-DFB      |     | 615     |          |          |          | 01         | GB21-2778 DOS/VSE CICS ICCF   | 0 S H       |
| VSE        | VSE VSAM                                | 5746-AM2/01   |     | 55      | 41       | 18       | 29       |            | GC24-5143 DOS/VSE             | 1 S K       |
| VSE        | VSE VSAM SPACE MANAGEMENT FOR SAM       | 5746-AM2/02   |     | 32      | 24       | 7        | 11       |            | GC24-5143 6073-6074           | 1 S K       |
| VSE        | VSE VSAM FAST BACKUP RESTORE FEATURE    | 5746-AM2/03   |     | 24      | 18       | 5        | 8        |            | GC24-5190 6090-6091           | 1 S K       |
| VSE        | VSE 3270 BISYNC PASS THROUGH            | 5746-AM5      |     | 159     |          |          |          |            | GH20-2403 DOS/VSE CICS/VS     | 1 S B       |
| VSE/AF     | VSE ADVANCED FUNCTIONS                  | 5746-XE8      |     | 180     | 135      | 48       | 76       |            | GC33-6108 DOS/VSE             | 1 S K       |
| >VSE/ICCF  | INTRODUCTION TO VSE/ICCF                | 5798-DDX      |     | 55      |          |          |          | 12         | GB21-2709 IIS,IIPS            | 1 L H       |
| >VSE/ICCF  | VSE/ICCF AUTOMATED LIBRARY MANAGER      | 5798-DJR      |     | 330     |          |          |          | 01         | GB21-2956 DOS/VSE ICCF        | 1 S H       |
| >VSE/POWER | VSE/POWER VERSION 2                     | 5666-273/01 P |     | 100     | 75       | 20       | 32       |            | GH12-5131 DOS/VSE,VSE/AF      | 1 S K       |
| >VSE/POWER | VSE/POWER SHARED SPOOLING               | 5666-273/02   |     | 38      | 28       | 7        | 11       |            | GH12-5131                     | 1 S K       |
| VSE/POWER  | VSE/POWER                               | 5746-XE3/01   |     | 51      | 38       | 13       | 20       |            | GH12-5131 DOS/VSE             | 1 S K       |
| VSE/POWER  | VSE/POWER REMOTE JOB ENTRY              | 5746-XE3/02   |     | 89      | 66       | 18       | 29       |            | GH12-5131 6067-6071           | 1 S K       |
| VSE/POWER  | VSE/POWER SHARED SPOOLING               | 5746-XE3/03   |     | 38      | 28       | 7        | 11       |            | GH12-5131 6075-6079           | 1 S K       |
| VSE/PT     | VSE PERFORMANCE TOOL                    | 5796-PLQ      |     | 201     |          |          |          |            | G320-6155 DOS/VS,DOS/VSE      | 1 S E       |
| VSE/VSAM   | VIDEO/370 VSE/VSAM SUPPORT              | 5798-DFK      |     | 85      |          |          |          | 12         | GB21-2800 5736-RC3/02 DOS/VSE | 1 S H       |
| VSE/VSAM   | VSE VSAM                                | 5746-AM2/01   |     | 55      | 41       | 18       | 29       |            | GC24-5143 DOS/VSE             | 1 S K       |
| VSE/VSAM   | VSE VSAM SPACE MANAGEMENT FOR SAM       | 5746-AM2/02   |     | 32      | 24       | 7        | 11       |            | GC24-5143 6073-6074           | 1 S K       |
| VSE/VSAM   | VSE VSAM FAST BACKUP RESTORE FEATURE    | 5746-AM2/03   |     | 24      | 18       | 5        | 8        |            | GC24-5190 6090-6091           | 1 S K       |
| VSPC       | APL DATA INTERFACE UNDER VSPC           | 5796-PKB      |     | 240     |          |          |          | 24         | G320-5758 VSPC WITH VSAPL     | 1 S H       |
| VSPC       | CALL/OS TO VSPC TRANSITION PROGRAM      | 5798-CQR      |     | 8300    |          |          |          | 01         | GB21-2151 OS/VS               | 0 I H       |
| VSPC       | IMS APL DATA LINK FOR VSPC              | 5796-PLA      |     | 356     |          |          |          |            | G320-6054 VSPC WITH VSAPL     | 1 S E       |
| VSPC       | VIRTUAL STORAGE PERSONAL COMPUTING - V2 | 5665-283      |     | 1635    | 1225     | 160      | 256      |            | GH20-9192 MVS                 | 1 S K       |
| VSPC       | VIRTUAL STORAGE PERSONAL COMPUTING      | 5740-XR6      |     | 1265    | 948      | 220      | 352      |            | GH20-9070 MVS                 | 1 S K       |
| VSPC       | VS TSIO FOR VSPC                        | 5740-XR9      |     | 319     |          |          |          |            | GH20-9064 VSAPL WITH VSPC     | 1 S B       |
| VSPC       | VSPC APL DL/I INTERFACE                 | 5785-FAL      |     | 340     |          |          |          | 12         | GB21-2776 VSAPL WITH VSPC     | 1 S H       |
| VSPC       | VSPC CUSTOMIZED FOREGROUND FACILITY     | 5798-DEF      |     | 110     |          |          |          | 12         | GB21-2733 OS/VS               | 1 S H       |
| VSPC       | VSPC FORTRAN                            | 5748-F02      |     | 507     | 380      | 38       | 61       |            | GH20-9061 DOS/VS,OS/VS1,MVS   | 1 S K       |
| VSPC       | VSPC FULL SCREEN EDITOR                 | 5798-CTG      |     | 240     |          |          |          | 12         | GB21-2227 DOS/VS,OS/VS,VS APL | 1 S H       |
| VSPC       | VSPC LIBRARY PRINT PROGRAM              | 5785-EAA      |     | 250     |          |          |          | 01         | G320-5816 MVS, VSPC           | 1 S H       |
| VSPX       | VEHICLE SCHEDULING PROGRAM - EXTENDED   | 5734-XM5      |     | 221     |          |          |          |            | GH19-2000 OS/VS               | 1 I C       |
| VSPX       | VEHICLE SCHEDULING PROGRAM - EXTENDED   | 5736-XM3      |     | 115     |          |          |          |            | GH19-2000 DOS,DOS/VS          | 1 I C       |

| KEYWORD        | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MQ | ENVIRONMENT OR FEATURE #    | T I S P L V |
|----------------|--|--------------|-----|---------|----------|----------|----------|------------|-----------------------------|-------------|
| >VSTSID        | VIRTUAL SYSTEM TIME SHARED I/O FOR VSAPL | 5798-DEN     | P   | 210     |          |          |          | 12         | GB21-2741 TSO,VSAPL         | 1 S H       |
| VS1            | VS1 UTILIZATION MONITOR                  | 5798-CAK     |     | 193     |          |          |          | 12         | GB21-1404 OS/VS1            | 1 S H       |
| VS1PT          | OS/VS1 PERFORMANCE TOOL                  | 5796-PGL     |     | 345     |          |          |          |            | G320-5680 OS/VS1            | 1 S E       |
| VS2            | TSO VS2 PROGRAMMING CONTROL FACILITY     | 5798-BCJ     |     | 160     |          |          |          | 12         | GB21-1273 OS/VS2            | 1 S H       |
| VTAM           | ACF VTAM ENTRY                           | 5746-RC7     |     | 131     | 98       | 61       | 98       |            | GC27-0438 DOS/VSE,4331      | 2 S K       |
| VTAM           | ACF/VTAM - DOS/VSE                       | 5746-RC3/01  |     | 134     | 100      | 42       | 67       |            | GC27-0462 DOS/VSE/AF        | 2 S K       |
| VTAM           | FILE CABINET OPTION / VTAM               | 5798-DCG     |     | 637     |          |          |          | 24         | GB21-2604 MVS JES2, JES3    | 1 S H       |
| VTAM           | NETWORK MONITOR FOR VTAM APPLICATIONS    | 5796-PPB     |     | 150     |          |          |          | 12         | G320-6628 OS/VSE ACF/VTAM   | 1 S H       |
| VTAM           | TSO DATA-SET PRINT - VTAM EXTENSIONS     | 5798-CPF/02  |     | 76      |          |          |          | 12         | GB21-2069 6025-6026         | 1 S H       |
| VTAM           | VTAM CONFIGURATION AND GENERATION AID    | 5798-CTL     |     | 250     |          |          |          | 06         | GB21-2233 DOS/VSE           | 0 I H       |
| VTAM           | VTAM INTERFACE TO VIDEO/370              | 5798-CNK     |     | 170     |          |          |          | 12         | GB21-2025 OS/VSE            | 1 S H       |
| VTAM           | VTAM LEVEL SELECTOR                      | 5798-DBZ     |     | 63      |          |          |          |            | GB21-2580 OS/VSE-MVS        | 1 S E       |
| VTAM           | VTAM PERFORMANCE ANALYSIS & REPORTING    | 5798-CTW     |     | 63      |          |          |          |            | GB21-2246 OS/VSE, 5798-CPR  | 1 I E       |
| >VTAM          | VTAM PERFORMANCE & ANALYSIS REPORTING II | 5798-DFE     | P   | 140     |          |          |          |            | GB21-2786 OS/VSE,ACF/VTAM   | 1 S E       |
| VTAM           | VTAM SCP ACF/VTAM                        | 5747-CF1     |     |         |          |          |          |            | GC27-0459 DOS/VSE           | 0 S N       |
| VTAM           | VTAM SCP FOR ACF/VTAME                   | 5747-CG2     |     |         |          |          |          |            | GC27-0440 DOS/VSE           | 0 S N       |
| >VTAM V2       | ACF/VTAM - VERSION 2                     | 5662-280/01  | P   | 520     | 390      | 80       | 128      |            | GC27-0608 OS/VS1            | 2 S K       |
| >VTAM V2       | ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE    | 5662-280/02  |     | 190     | 142      | 5        | 8        |            | GC27-0608 6000              | 1 S K       |
| >VTAM V2       | ACF/VTAM - VERSION 2                     | 5665-280/01  | P   | 915     | 686      | 175      | 280      |            | GC27-0608 MVS,MVS/XA        | 2 S K       |
| >VTAM V2       | ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE    | 5665-280/02  |     | 190     | 142      | 5        | 8        |            | GC27-0608 6000              | 1 S K       |
| >VTAM V2       | ACF/VTAM - VERSION 2                     | 5666-280     | P   | 220     | 165      | 50       | 80       |            | GC27-0608 DOS/VSE,VSE/AF    | 2 S K       |
| VTAMPARS       | VTAM PERFORMANCE ANALYSIS & REPORTING    | 5798-CTW     |     | 63      |          |          |          |            | GB21-2246 OS/VSE, 5798-CPR  | 1 I E       |
| >VTAMPARS      | VTAM PERFORMANCE & ANALYSIS REPORTING II | 5798-DFE     | P   | 140     |          |          |          |            | GB21-2786 OS/VSE,ACF/VTAM   | 1 S E       |
| >WALL STREET   | S/23 DATAMASTER DOW JONES NEWS           | 5798-RGQ     |     | 275     |          |          |          | 01         | GB30-1684 SVS/23 DATAMASTER | 1 I H       |
| >WALLED LAKE   | FORECAST MODEL SELECT - WALLED L         | 5796-ACP     |     | 62      |          |          |          | 12         | G320-1434 SYSTEM/3          | 1 I H       |
| >WAREHOUSING   | S/34 APPAREL BUS SYS - OA                | 5796-RAE     |     | 258     |          |          |          | 12         | GB30-1457 SYSTEM/34         | 1 S H       |
| >WATERLOO      | DEBUGGING AID                            | 5796-NPP     | P   | 189     |          |          |          | 01         | GB30-1098 SERIES/1          | 0 S H       |
| >WATERLOO      | MULTILEAVING REMOTE JOB ENTRY            | 5796-NTY     | P   | 143     |          |          |          | 12         | GB30-1272 SERIES/1          | 1 S H       |
| >WATERLOO      | S/1 VIRTUAL BASIC SUPERVISOR             | 5798-RBY     | P   | 29      |          |          |          | 36         | GB30-1466 SERIES/1          | 1 S H       |
| >WATERLOO      | S/1 WATERLOO VIRTUAL BASIC               | 5796-RAL     | P   | 98      |          |          |          | 36         | GB30-1466 SERIES/1          | 1 S H       |
| >WATERLOO      | WATERLOO INTERACTIVE DIR J/E             | 5796-NQE     | P   | 166     |          |          |          | 12         | GB30-1138 SERIES/1          | 1 S H       |
| >WATERLOO      | WATERLOO BASIC COMPILER AND RTM          | 5796-NWL     |     | 110     |          |          |          | 36         | GB30-1310 SERIES/1          | 1 S H       |
| WCP            | WIDEBAND COMMUNICATION PROGRAM           | 5796-PDJ     |     | 600     |          |          |          | 12         | G320-5540 OS/VS1,OS/VS2     | 1 S H       |
| >WELFARE       | HEALTH, WELFARE, AND PENSION FUND (DISK) | 5702-N11     |     | 227     |          |          |          |            | GH20-1189 SYSTEM/3          | 1 I C       |
| >WELFARE       | HEALTH, WELFARE, AND PENSION FUND MOD 6  | 5703-N11     |     | 305     |          |          |          |            | GH20-1189 SYSTEM/3          | 1 I C       |
| >WESTLAND AUTO | DEALER ACCT SYS - WESTLAND AUTO          | 5796-ABV     |     | 527     |          |          |          | 12         | G320-1423 SYSTEM/3          | 1 I H       |
| >WHOLESALE     | S/34 WHOLESALE/RETAIL LUMBER             | 5796-REW     |     | 500     |          |          |          | 12         | GB30-1615 SYSTEM/34         | 1 S H       |
| >WHSE INVTY    | PUBLIC WHSE INVTY CONTROL                | 5796-NTN     |     | 276     |          |          |          | 12         | GB30-1250 SYSTEM/32         | 1 S H       |
| WIDE           | FILE CABINET OPTION WIDE SCREEN FEATURE  | 5798-CPY/02  |     | 250     |          |          |          | 24         | GB21-2103 6013-6014         | 1 S H       |
| WIDEBAND       | WIDEBAND COMMUNICATION PROGRAM           | 5796-PDJ     |     | 600     |          |          |          | 12         | G320-5540 OS/VS1,OS/VS2     | 1 S H       |

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER  | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT INFO | OR FEATURE #       | T I S P L V |
|------------------|--|---------------|-----|---------|----------|----------|----------|------------|------------------|--------------------|-------------|
| >WIDGET          | WATERLOO INTERACTIVE DIR J/E             | 5796-NQE      | P   | 166     |          |          |          | 12         | GB30-1138        | SERIES/1           | 1 S H       |
| >WIRE            | WIRE FRAME GEOMETRY                      | 5796-PQG      |     | 1420    | 1000     |          |          |            | 6320-6650        | OS/V5              | 1 S E       |
| >WITHDRAWAL      | S/34 NEGOTIABLE ORDER OF WITHDRA         | 5798-RDE      |     | 65      |          |          |          | 12         | GB30-1583        | SYSTEM/34          | 1 S H       |
| >WITHHOLDING     | S/23 JOB SHOP CONTROL - P/R              | 5796-ZAL      |     | 1200    |          |          |          | 01         | GB30-1714        | SYS/23 DATAMASTER  | 1 I H       |
| >WITHHOLDING     | 5120 JOB SHOP SYS - P/R                  | 5796-RCD      |     | 126     |          |          |          | 12         | GB30-1523        | 5120 SYSTEM        | 1 S H       |
| >WITHOUT         | RPS VER 4 (WITHOUT CMD LANG FACILITY)    | 5719-PC4/02 R |     | 48      |          |          |          |            | GC34-0202        | SERIES/1           | 1 S C       |
| >WITHOUT         | RPS VER 5 (WITHOUT CMD LANG FACILITY)    | 5719-PC5/02 R |     | 108     |          |          |          |            | GC34-0351        | SERIES/1           | 1 S E       |
| >WOOD CUTTING    | S/34 STRIP & BAR CUTTING OPTIMIZ         | 5798-NZC      |     | 75      |          |          |          | 12         | GB30-1406        | SYSTEM/34          | 1 S H       |
| >WORD            | DATAMASTER WORD AND TEXT PROCESSING      | 5715-WP1      |     | 500     |          |          |          | 01         | GC34-0417        | SYS/23 DATAMASTER  | 1 I E       |
| >WORD            | FILE CONVERSION FOR WORD PROCESSORS      | 5798-DFY      |     | 835     |          |          |          | 01         | GB21-2821        | OS/V5 DOS/VSE      | 0 S H       |
| >WORD            | WORD PROCESSOR/32                        | 5725-XX1      |     | 274     |          |          |          |            | GH30-0103        | SYSTEM/32          | 1 S A       |
| >WORD PROCESSING | S/1 TEXT ROUTING SYSTEM                  | 5798-NZG      |     | 373     |          |          |          | 24         | GB30-1435        | SERIES/1           | 1 S H       |
| >WORD PROCESSING | S/34 REMOTE DOC DISTRIB W/ 5520          | 5798-RHK      |     | 250     |          |          |          | 06         | GB30-1721        | SYSTEM/34          | 1 S H       |
| >WORK            | DISK WORK FILE MANAGER FOR DOS/V5        | 5796-ANK      |     | 100     |          |          |          | 12         | 6320-5741        | DOS/V5             | 1 S H       |
| >WORK            | WORK STATION SEARCH FACILITY FOR S/38    | 5714-WS1      |     | 690     |          |          |          | 01         | GH30-0458        | SYSTEM/38          | 1 S D       |
| >WORK            | WORK STATION SEARCH FACILITY             | 5726-XR1      |     | 458     |          |          |          | 01         | G580-0212        | SYSTEM/34          | 0 I B       |
| >WORK            | WORK STATION SUPPORT SUBROUT             | 5799-AYW      |     | 18      |          | 12       |          |            | GC21-7808        | SYSTEM/34          | 1 S A       |
| >WORK STATION    | S/34 WORK STATION UTILIZ ANALY           | 5796-RDN      |     | 270     |          |          |          | 01         | GB30-1598        | SYSTEM/34          | 1 S H       |
| >WORKSPACE       | APL HANDBOOK OF TECHNIQUES WORKSPACE     | 5796-PLP      |     | 175     |          |          |          | 01         | G320-6153        | VS APL(5748AP1)    | 0 L H       |
| >WORKSPACE       | APL WORKSPACE STRUCTURE ANALYZER         | 5796-PNB      |     | 170     |          |          |          | 12         | 6320-6170        | VSAPL              | 1 S H       |
| >WORKSTATION     | DOS/VSE REMOTE JOB ENTRY WORKSTATION     | 5746-RC9      |     | 103     |          |          |          |            | GH20-2199        | VE TO VM/CMS,OS/V5 | 1 S B       |
| >WORKSTATION     | DOS/V5 REMOTE JOB ENTRY WORKSTATION RJE  | 5799-WHX      |     |         |          |          |          |            | GH20-1574        | DOS/V5             | 0 S C       |
| >WORKSTATION     | DPPX REMOTE JOB ENTRY WORKSTATION        | 5760-XC1      |     | 32      | 24       | 16       | 26       |            | GC30-3053        | DPPX TO OS,VSE,VM  | 1 S K       |
| >WORKSTATION     | MVS INFORMATION DIST WORKSTATION SUPPORT | 5740-AMA      |     | 354     | 265      | 22       | 35       |            | GC23-0031        | OS/V52 (MVS)       | 1 S K       |
| >WORKSTATION     | OS/V51 DISTRIBUTED WORKSTATION SUPPORT   | 5740-XYE      |     | 131     | 98       | 27       | 43       |            | GC24-5193        | OS/V51             | 1 S K       |
| >WORKSTATION     | POWER/V5 3777-2 WORKSTATION PROGRAM      | 5798-CXR      |     | 80      |          |          |          | 12         | GB21-2338        | DOS/V5             | 1 S H       |
| >WP              | DATAMASTER WORD AND TEXT PROCESSING      | 5715-WP1      |     | 500     |          |          |          | 01         | GC34-0417        | SYS/23 DATAMASTER  | 1 I E       |
| >WP/32           | WORD PROCESSOR/32                        | 5725-XX1      |     | 274     |          |          |          |            | GH30-0103        | SYSTEM/32          | 1 S A       |
| >WRITER          | LETTER WRITER APPLICATION                | 5725-XX2      |     | 43      |          |          |          |            | GH30-0309        | SYSTEM/32          | 1 S C       |
| >WRITER          | MATRIX GENERATOR REPORT WRITER FOR MPSX  | 5734-XMC      |     | 509     |          |          |          |            | GH19-5012        | OS/MFT/MVT         | 1 I B       |
| >WRITER-V1       | SERIES/1 LETTER WRITER-V1 RPS            | 5799-TEH      | R   | 80      |          |          |          | 12         | GH30-0711        | SERIES/1           | 1 S E       |
| >WRITER-V2       | SERIES/1 LETTER WRITER-V2 RPS            | 5799-TEY      | R   | 100     |          |          |          | 12         | SERIES/1         | SERIES/1           | 1 S E       |
| >WSF/34          | WORK STATION SEARCH FACILITY             | 5726-XR1      |     | 458     |          |          |          | 01         | G580-0212        | SYSTEM/34          | 0 I B       |
| >WSF/38          | WORK STATION SEARCH FACILITY FOR S/38    | 5714-WS1      |     | 690     |          |          |          | 01         | GH30-0458        | SYSTEM/38          | 1 S D       |
| >WSU             | BASIC SUBSET                             | 5726-BA2      |     | 780     |          |          |          | 01         | GC21-9035        | SYSTEM/34          | 1 S A       |
| >WSU             | UTILITIES SEU SORT WSU SDA               | 5726-UT1      |     | 53      | 40       |          |          |            | GC21-7659        | SYSTEM/34          | 1 S A       |
| >WSU             | UTILITIES SUBSET WSU EXEC SORT DFU       | 5726-UT2      |     | 660     |          |          |          | 01         | GC21-9033        | SYSTEM/34          | 1 S A       |
| >W2              | PAYROLL W2 FORM                          | 5799-BFD      |     | 75      |          |          |          | 01         | 5120 SYSTEM      |                    | 1 S C       |
| >X.25            | X.25 NCP PACKET SWITCHING INTERFACE      | 5668-981      |     | 190     | 142      | 30       | 48       |            | GC30-9545        | ACF/NCP/V5         | 2 S K       |
| >XEDIT           | VM SYSTEM PRODUCT - SP & XEDIT           | 5664-167      |     | 330     | 247      | 50       | 80       |            | GC20-1838        | VM/CMS REL 6       | 2 S K       |

| KEYWORD          | PROGRAM INFORMATION                   | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE # | T I S P L V |
|------------------|---------------------------------------|--------------|-----|---------|----------|----------|----------|------------|--------------------------|-------------|
| >X3.23-1974      | COBOL ANS74 X3.23-1974                | 5726-CB1     |     | 131     | 98       |          |          |            | GC21-7737 SYSTEM/34      | 1 S A       |
| >X3.60-1978      | BASIC ANS X3.60-1978                  | 5726-BA1     |     | 63      | 47       |          |          |            | GC21-7841 SYSTEM/34      | 1 S A       |
| >YALE UNIVERSITY | S/1 YALE ASCII TERM COMM SYSTEM       | 5796-RBT     | P   | 143     |          |          |          | 24         | GB30-1509 SERIES/1       | 1 S H       |
| ZEROS            | ZEROS AND INTEGRALS IN APL            | 5798-AGJ     |     | 60      |          |          |          | 12         | GB21-0408 APLSV, APL/CMS | 1 I H       |
| >1018/1442       | 1018/1442 COMPATABILITY               | 5799-WFD     |     |         |          |          |          |            | GC21-5060 SYSTEM/3       | 0 S C       |
| >1130            | 1130 FORTRAN COMMERCIAL SUBROUTINES   | 5798-BCT     |     | 73      |          |          |          | 12         | GB21-1318 DOS/V5         | 1 S H       |
| >12              | ANS COBOL MOD 12                      | 5705-CB1     |     | 102     |          |          |          |            | GC28-6462 SYSTEM/3       | 1 S C       |
| >12              | BASIC ASSEMBLER MOD 12                | 5705-AS1     |     | 102     |          |          |          |            | GC21-5079 SYSTEM/3       | 1 S C       |
| >12              | CCP DISK SORT MODEL 12                | 5799-ATG     |     | 43      |          |          |          |            | SC21-7522 SYSTEM/3       | 1 S C       |
| >12              | DATA COLLECTION SYSTEM SUPPORT MOD 12 | 5705-M31     |     | 44      |          |          |          |            | GH30-0204 SYSTEM/3       | 1 S C       |
| >12              | DATA/3 MOD 12                         | 5705-XX1     |     | 163     |          |          |          |            | GC21-5210 SYSTEM/3       | 1 S C       |
| >12              | DISK FORTRAN IV MOD 12                | 5705-F01     |     | 135     |          |          |          |            | GC28-6880 SYSTEM/3       | 1 S C       |
| >12              | DISK RESIDENT CARD UTILITIES MOD 12   | 5705-UT1     |     | 18      |          |          |          |            | GC21-7535 SYSTEM/3       | 1 S C       |
| >12              | DISK SORT MOD 12                      | 5705-SM1     |     | 54      |          |          |          |            | GC21-5083 SYSTEM/3       | 1 S C       |
| >12              | RPG II MOD 12                         | 5705-RG1/01  |     | 107     |          |          |          |            | GC21-7514 SYSTEM/3       | 1 S C       |
| >12              | SYSTEM CONTROL PROGRAM MOD 12         | 5705-SC1     |     |         |          |          |          |            | GC21-7578 SYSTEM/3       | 0 S C       |
| >12              | TAPE SORT MOD 12                      | 5705-SM2     |     | 93      |          |          |          |            | GC21-5138 SYSTEM/3       | 1 S C       |
| >12              | TQF/3 MODEL 12                        | 5799-AQ2     |     | 78      |          |          |          |            | SC21-5107 SYSTEM/3       | 0 S C       |
| >12              | 1255 UTILITY MOD 12                   | 5705-UT2     |     | 83      |          |          |          |            | GC21-5030 SYSTEM/3       | 1 S C       |
| >12              | 3270 DCF FEATURE MOD 12               | 5705-RG1/02  |     | 26      |          |          |          | 01         | SC21-5161 6003-4         | 1 S C       |
| >1255            | 1255 UTILITY MOD 8/10 DISK            | 5702-UT2     |     | 86      |          |          |          |            | SC21-7521 SYSTEM/3       | 1 S C       |
| >1255            | 1255 UTILITY MOD 6                    | 5703-UT2     |     | 100     |          |          |          |            | SC21-7527 SYSTEM/3       | 1 S C       |
| >1255            | 1255 UTILITY MOD 12                   | 5705-UT2     |     | 83      |          |          |          |            | GC21-5030 SYSTEM/3       | 1 S C       |
| >1255 READER     | S/34 MICR PROGRAM GENERATOR           | 5798-RBE     |     | 63      |          |          |          | 12         | GB30-1476 SYSTEM/34      | 1 S H       |
| 1400             | 1400 COMPATIBILITY ACCESS ROUTINE     | 5798-CDB     |     | 500     |          |          |          | 01         | GB21-1546 DOS/V5         | 1 I H       |
| 1400             | 1400 EMULATOR PROGRAMS                | 5747-CC3     |     |         |          |          |          |            | GC33-5384 DOS/V5         | 0 S C       |
| 1401/1440/1460   | 1401/1440/1460 INTEGRATED EMULATOR    | 5744-AH1     |     |         |          |          |          |            | GC33-2018 OS/V5          | 0 S C       |
| 1410             | 1410 7010 INTEGRATED EMULATOR         | 5744-AG1     |     |         |          |          |          |            | GC33-2019 OS/V5          | 0 S C       |
| 1419             | 1419 PROOF OF DEPOSIT MICR CAPTURE    | 5798-DDC     |     | 300     |          |          |          | 12         | GB21-2668 DOS/VSE        | 1 S H       |
| >15              | TQF/3 MODEL 15                        | 5799-AJT     |     | 78      |          |          |          |            | SC21-5107 SYSTEM/3       | 0 S C       |
| >15ABC           | ANS COBOL - 15ABC                     | 5704-CB1     |     | 121     |          |          |          |            | GC28-6452 SYSTEM/3       | 1 S C       |
| >15ABC           | BASIC ASSEMBLER - 15ABC               | 5704-AS1     |     | 152     |          |          |          |            | SC21-7509 SYSTEM/3       | 1 S C       |
| >15ABC           | CARD UTILITIES - 15ABC                | 5704-UT1     |     | 20      |          |          |          |            | SC21-7529 SYSTEM/3       | 1 S C       |
| >15ABC           | CCP DISK SORT MODEL 15ABC             | 5799-ATH     |     | 43      |          |          |          |            | SC21-7522 SYSTEM/3       | 1 S C       |
| >15ABC           | DATA/3 - 15ABC                        | 5704-XX1     |     | 205     |          |          |          |            | SC21-5102 SYSTEM/3       | 1 S C       |
| >15ABC           | DISK SORT - 15ABC                     | 5704-SM1     |     | 64      |          |          |          |            | SC21-7522 SYSTEM/3       | 1 S C       |
| >15ABC           | FORTRAN IV - 15ABC                    | 5704-F01     |     | 162     |          |          |          |            | SC28-6874 SYSTEM/3       | 1 S C       |
| >15ABC           | RPG II - 15ABC                        | 5704-RG1/01  |     | 121     |          |          |          |            | GC21-7514 SYSTEM/3       | 1 S C       |
| >15ABC           | SYSTEM CONTROL PROGRAM - 15ABC        | 5704-SC1     |     |         |          |          |          |            | GC21-7578 SYSTEM/3       | 0 S C       |
| >15ABC           | TAPE SORT - 15ABC                     | 5704-SM2     |     | 152     |          |          |          |            | SC21-7572 SYSTEM/3       | 1 S C       |



| KEYWORD        | PROGRAM INFORMATION                     | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|----------------|---|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >15D           | ANS COBOL - 15D                         | 5704-CB2     |     | 192     |          |          |          |    | GC21-7571    | SYSTEM/3                 | 1 S A       |
| >15D           | BASIC ASSEMBLER - 15D                   | 5704-AS2     |     | 192     |          |          |          |    | GA21-9236    | SYSTEM/3                 | 1 S A       |
| >15D           | CARD UTILITIES - 15D                    | 5704-UT3     |     | 29      |          |          |          |    | SC21-7529    | SYSTEM/3                 | 1 S A       |
| >15D           | CCP/DISK SORT - 15D                     | 5704-SM7     |     | 29      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S A       |
| >15D           | DATA/3 - 15D                            | 5704-XX3     |     | 235     |          |          |          |    | SC21-5102    | SYSTEM/3                 | 1 S A       |
| >15D           | DISK SORT - 15D                         | 5704-SM9     |     | 102     |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S A       |
| >15D           | FORTRAN IV - 15D                        | 5704-F02     |     | 257     |          |          |          |    | SC28-6875    | SYSTEM/3                 | 1 S A       |
| >19D           | RPG II - 15D                            | 5704-RG2     |     | 192     |          |          |          |    | GC21-7514    | SYSTEM/3                 | 1 S A       |
| >15D           | SYSTEM CONTROL PROGRAM - 15D            | 5704-SC2     |     |         |          |          |          |    | GC21-7578    | SYSTEM/3                 | 0 S A       |
| >15D           | TAPE SORT - 15D                         | 5704-SM8     |     | 174     |          |          |          |    | SC21-7572    | SYSTEM/3                 | 1 S A       |
| 200            | EMULATOR FOR HONEYWELL 200              | 5799-ADT     |     | 708     |          |          |          |    | GA24-3604    | DOS DOS/VS               | 0 S C       |
| 200            | HONEYWELL 200 COBOL TO IBM ANS COBOL    | 5798-AGC     |     | 330     |          |          |          | 12 | GB21-0387    | DOS                      | 0 I H       |
| 2260           | 2260 2741 COMPATIBILITY USING VTAM/TCAM | 5796-ATM     |     | 275     |          |          |          | 12 | G320-6079    | OS/VS1, OS/VS2           | 1 S H       |
| 231X           | 231X EMULATOR ON FBA DEVICES            | 5747-SA1     |     |         |          |          |          |    |              | DOS/VSE                  | 0 S N       |
| 2500           | BURROUGHS 2500 TO ANS COBOL CONVERSION  | 5798-APH     |     | 2215    |          |          |          | 01 | GB21-0836    | DOS/OS                   | 0 I H       |
| 2741           | 2260 2741 COMPATIBILITY USING VTAM/TCAM | 5796-ATM     |     | 275     |          |          |          | 12 | G320-6079    | OS/VS1, OS/VS2           | 1 S H       |
| 2927           | 2927 DUAL PRINTER UTILITY PROGRAM       | 5796-AFK     |     | 115     |          |          |          | 12 | G320-8106    | 8K BPS TAPE              | 1 S H       |
| 3D             | 3D MESH GEOMETRY MODULE                 | 5796-AWR     | R   | 428     | 244      |          |          |    | G320-6063    | OS/VS,VM/CMS             | 0 S H       |
| 3D             | 3D SURFACE GEOMETRY MODULE              | 5796-AWT     | R   | 201     | 115      |          |          |    | G320-6063    | OS/VS,VM/CMS             | 0 S H       |
| 301            | EMULATOR FOR RCA 301                    | 5799-ADR     |     | 765     |          |          |          |    | GA24-3605    | DOS DOS/VS               | 0 S C       |
| 3031/3032/3033 | HVT SUPPORT FOR 3031/3032/3033          | 5799-AWX     |     | 12880   |          |          |          | 01 | GC28-0951    | OS/MVT                   | 1 S C       |
| 3033           | OPERATOR TRAINING FOR 3033 AP / MP      | 5798-DFA     |     | 105     |          |          |          | 12 | GB21-2769    | IIS,IIPS                 | 1 L H       |
| >3101          | S/1 3101 FULL SCREEN CPS                | 5798-RFF     | P   | 282     |          |          |          | 01 | GB30-1639    | SERIES/1                 | 1 S H       |
| >3101          | VM PASS THROUGH SUPPORT FOR 3101        | 5796-PPF     |     | 170     |          |          |          | 01 | G320-6637    | VM/SP,VM/BSEF,VM/SE      | 1 S E       |
| >3101          | KEYBOARD S/1 3101/3275 DISP MGR SUBSYS  | 5798-ZZD     |     | 5750    |          |          |          | 01 |              | SERIES/1                 | 1 S H       |
| >3101          | TERMINAL S/1 EDX CF AIRLINE SUPPORT     | 5798-ZZE     | P   | 50      |          |          |          | 24 | GB30-1550    | SERIES/1                 | 1 S H       |
| >3101/3275     | S/1 3101/3275 DISP MGR SUBSYS           | 5798-ZZD     |     | 5750    |          |          |          | 01 |              | SERIES/1                 | 1 S H       |
| >3270          | CCP SOURCE LIBRARY MAINT SYS            | 5798-NDR     |     | 98      |          |          |          | 06 | GB30-0715    | SYSTEM/3                 | 1 S H       |
| 3270           | CICS 3270 SIMULATOR                     | 5798-AXC     |     | 65      |          |          |          | 12 | GB21-1035    | CICS/OS/DOS/VS           | 1 S H       |
| 3270           | DDPX 3270 DATA STREAM COMPATIBILITY     | 5760-RC1     |     | 21      | 15       | 28       | 45       |    | GC27-0400    | DDPX                     | 1 S K       |
| 3270           | GIS/VS 3270 FORMATTING AID              | 5798-CQN     |     | 110     |          |          |          | 12 | GB21-2137    | GIS/VS WITH AQF          | 1 S H       |
| 3270           | IMS 3270 LOCAL COPY FOR ONLINE PRINTING | 5796-AHL     |     | 190     |          |          |          | 12 | G320-8150    | IMS/360,IMS/VS           | 1 S H       |
| >3270          | INTERACTIVE PURCHASING SYSTEM           | 5796-NJH     |     | 230     |          |          |          | 12 | GB30-0911    | SYSTEM/3                 | 1 I H       |
| 3270           | TSD 3270 DISPLAY COPY SUPPORT           | 5798-CHL     |     | 245     |          |          |          | 12 | GB21-1795    | OS/VS2,TSD               | 1 S H       |
| 3270           | VSE 3270 BISYNC PASS THROUGH            | 5746-AM5     |     | 159     |          |          |          |    | GH20-2403    | DOS/VSE CICS/VS          | 1 S B       |
| >3270          | 3270 COMPATIBILITY                      | 5608-SR6     | Q   | 300     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >3270          | 3270 DCF FEATURE MOD 10 DISK            | 5702-RG1/06  |     | 29      |          |          |          |    | SC21-5161    | 6070                     | 1 S C       |
| >3270          | 3270 DISPLAY CONTROL MOD 6              | 5703-RG1/04  |     | 29      |          |          |          |    | SC21-5161    | 60303                    | 1 S C       |
| >3270          | 3270 DCF FEATURE                        | 5704-RG1/02  |     | 29      |          |          |          | 01 | SC21-5161    | 6005-7                   | 1 S C       |
| >3270          | 3270 DCF FEATURE MOD 12                 | 5705-RG1/02  |     | 26      |          |          |          | 01 | SC21-5161    | 6003-6                   | 1 S C       |

| KEYWORD | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC  | DSLO | LLPS | MLPS | GENERAL      | ENVIRONMENT            | T I S     |
|---------|--|--------------|-----|------|------|------|------|--------------|------------------------|-----------|
|         |  |              |     | SEE  | SEE  | SEE  | SEE  | MO           | OR                     | FEATURE # |
| >3270   | 3270 DEVICE EMULATION                    | 5726-EM1     |     | 182  | 136  |      |      | GC21-7749    | SYSTEM/34              | 1 S A     |
| 3270    | 3270 FULL SCREEN TSO COBOL SUPPORT       | 5796-ATK     |     | 130  |      |      |      | 12 G320-6067 | OS/V52 (MVS)           | 1 S H     |
| 3270    | 3270 FORMAT MACRO FOR OUTPUT DATA STREAM | 5798-AKL     |     | 27   |      |      |      | 12 GB21-0620 | DOS/OS                 | 1 S H     |
| 3270    | 3270 SCREEN IMAGE PREPROCESSOR           | 5796-AFC     |     | 123  |      |      |      | 12 G320-8099 | OS, OS/V5              | 1 S H     |
| 3270    | 3270 SCREEN FORMAT UTILITY               | 5798-CBH     |     | 70   |      |      |      | 12 GB21-1441 | MICS, CICS, CICS/V5    | 1 I H     |
| 3270ND  | 3276 / 3278 OPERATOR TRAINING COURSE     | 5798-CWZ     |     | 168  |      |      |      | 12 GB21-2290 | IIS, IIPS              | 1 L H     |
| >3271   | EMULATION EDX COMMUNICATIONS FACILITY    | 5798-ZZC     | P   | 40   |      |      |      | 36 GB30-1307 | SERIES/1               | 1 S H     |
| >3275   | S/1 3101/3275 DISP MGR SUBSYS            | 5798-ZZD     |     | 5750 |      |      |      | 01           | SERIES/1               | 1 S H     |
| 3276    | 3276 / 3278 OPERATOR TRAINING COURSE     | 5798-CWZ     |     | 168  |      |      |      | 12 GB21-2290 | IIS, IIPS              | 1 L H     |
| 3277    | 3277 APL GRAPHICS ATTACHMENT SUPPORT     | 5799-AXW     |     | 84   |      |      |      | GH20-2146    | VSAPL:CMS, TSO, VSPC   | 1 S E     |
| 3277    | 3277 GRAPHICS ATTACHMENT STORAGE TUBE    | 5798-DAG     |     | 51   |      |      |      | 12 GB21-2503 | MVS/TSO VM/CMS         | 1 S H     |
| 3277    | 3277 GRAPHICS ATTACHMENT PLOTTER TABLET  | 5798-DCE     |     | 47   |      |      |      | 12 GB21-2598 | TSO, VM & 5799-AXX/-W  | 1 S H     |
| 3277    | 3277 GRAPHICS ATTACHMENT SUPPORT         | 5799-AXX     |     | 84   |      |      |      | GH20-2147    | VM/CMS, MVS/TSO        | 1 S E     |
| 3278    | 3276 / 3278 OPERATOR TRAINING COURSE     | 5798-CWZ     |     | 168  |      |      |      | 12 GB21-2290 | IIS, IIPS              | 1 L H     |
| 3279    | 3279 EXECUTIVE PRESENTATION SYSTEM       | 5798-DEB     |     | 345  |      |      |      | 12 GB21-2725 | VM, TSO + GDDM         | 1 S H     |
| 328X    | VM/CMS SPOOLING FOR LOCAL 328X PRINTER   | 5796-PKZ     |     | 60   |      |      |      | 12 G320-6073 | VM/CMS                 | 1 S H     |
| 3330    | DATA-SET CONVERSION AID DOS 3330 3340    | 5798-AMN     |     | 275  |      |      |      | 01 GB21-0740 | DOS                    | 0 I H     |
| 3330    | DOS/V5 SUPPORT FOR 3330 - 3333-11        | 5799-WHZ     |     |      |      |      |      | GH20-4376    |                        | 0 S C     |
| 3330-11 | MVT SUPPORT FOR 3350 / 3330-11           | 5799-ARG     |     | 300  |      |      |      | GH20-9115    | OS/MVT                 | 1 I C     |
| 3330-11 | 3330-11 DEVICE SUPPORT: OS/HFT/MVT (R21) | 5798-BCE     |     | 56   |      |      |      | 12 GB21-1291 | OS/HFT/MVT             | 1 S H     |
| 3333-11 | DOS/V5 SUPPORT FOR 3330 - 3333-11        | 5799-WHZ     |     |      |      |      |      | GH20-4376    |                        | 0 S C     |
| 3340    | DATA-SET CONVERSION AID DOS 3330 3340    | 5798-AMN     |     | 275  |      |      |      | 01 GB21-0740 | DOS                    | 0 I H     |
| 3340    | VSE S/3 3340 DATA IMPORT                 | 5746-AM3     |     | 1320 |      |      |      | 01 GC33-6062 | DOS/VSE VSAM           | 0 S C     |
| 3350    | MVT SUPPORT FOR 3350 / 3330-11           | 5799-ARG     |     | 300  |      |      |      | GH20-9115    | OS/MVT                 | 1 I C     |
| 34      | 34 DITTO ENHANCEMENTS FOR DOS/V5 REL 34  | 5798-CAF/02  |     | 150  |      |      |      | 01 GB21-2190 | 9027, 9029             | 1 I H     |
| 3540    | DOS/V5 3540 DISKETTE UTILITY             | 5798-CNZ     |     | 110  |      |      |      | 12 GB21-2056 | DOS/V5                 | 1 S H     |
| >3600   | AUTOMATED TELLER SYSTEM 3600 4700        | 5798-DHK     | P   | 180  |      |      |      | 12 GB21-2909 | 3600 4700              | 1 S H     |
| 3600    | BANK TELLER 3600 APPLICATION PROGRAM     | 5796-ARD     |     | 100  |      |      |      | 12 G320-5761 | 3600                   | 1 S H     |
| 3600    | COMMERCIAL BANK 3600 TELLER APPLICATION  | 5796-AXK     |     | 120  |      |      |      | 12 G320-6161 | VS1                    | 1 S H     |
| 3600    | HIERARCHICAL MONITOR SYSTEM / 3600       | 5798-CLT     |     | 190  |      |      |      | 24 GB21-1984 | DOS/V5, OS/V5          | 1 S H     |
| 3600    | HOST CONTROL FOR REMOTE 3600 & 4700      | 5796-AWG     |     | 215  |      |      |      | 12 G320-6091 | DOS/V5, PC/3600        | 1 S H     |
| 3600    | HOST SUPPORT 3600 FINANCE COMMUNICATION  | 5744-CA3     |     |      |      |      |      | GC27-0006    | OS/V5                  | 0 S N     |
| 3600    | PROGRAM CUSTOMIZER / 3600 4700           | 5740-F11     |     | 1740 |      |      |      | GH20-1587    | OS/V5                  | 1 I B     |
| 3600    | PROGRAM CUSTOMIZER / 3600 4700           | 5746-F11     |     | 966  |      |      |      | GH20-1587    | DOS/VSE                | 1 I B     |
| 3600    | TRANSACTION CROSS REFERENCE 3600 4700    | 5796-ATR     |     | 150  |      |      |      | 12 G320-6077 | DOS/V5, OS/V5, CICS/V5 | 1 S H     |
| 3600    | 3600 DATA ENTRY                          | 5798-CLA     |     | 40   |      |      |      | 12 GB21-1939 | DOS/V5, OS/V5          | 1 S H     |
| >3600   | 3600 FINANCE SUBSYSTEM FEATURE           | 5726-SS1/03  |     | 180  | 155  |      |      |              | SYS/34, 6010/11        | 1 S A     |
| 3600    | 3600 HOST SUPPORT                        | 5747-BR1/01  |     |      |      |      |      | GC27-0006    | DOS/VSE                | 0 S N     |
| >3600   | 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 5668-983/02  |     | 138  | 103  | 15   | 24   | GC34-2061    |                        | 2 S K     |
| 3600    | 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 5735-XX8/02  |     | 138  | 103  | 15   | 24   | GC34-2055    | 6030-6031              | 2 S K     |

| KEYWORD | PROGRAM INFORMATION                         | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|---------|---|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| 3600    | 3600 4700 ADMINISTRATIVE APPLICATIONS       | 5748-F55     |     | 32      |          |          |          |            | GH20-2414 IMS/V5 CICS/V5       | 1 S B       |
| 3600    | 3630 / 3600 DATA TRANSFER - CONTROLLER      | 5798-CYK     |     | 120     |          |          |          | 12         | GB21-2385 5798-CYL             | 1 S H       |
| 3600    | 3630 / 3600 DATA TRANSFER - HOST            | 5798-CYL     |     | 85      |          |          |          | 12         | GB21-2389 5798-CYK OS/V5       | 1 S H       |
| >3600   | TERMINALS 3600 O/L TERMINAL SUPPORT - S/34  | 5798-RAA     |     | 253     |          |          |          | 12         | GB30-1454 SVSTEM/34            | 1 S H       |
| 3614    | 3614 USAGE REPORTING SYSTEM                 | 5798-CQK     |     | 200     |          |          |          | 24         | GB21-2132 DOS/V5,DOS/VSE,OS/V5 | 1 I H       |
| 3614    | 3614 3624 CONSUMER ONLINE TRANSACTIONS      | 5740-F51     |     | 695     |          |          |          |            | GH20-2019 OS/V5                | 1 I B       |
| 3614    | 3614 3624 CONSUMER ONLINE TRANSACTIONS      | 5746-F57     |     | 589     |          |          |          |            | GH20-2019 DOS/V5               | 1 I B       |
| >3614   | CONSUM TRA APPL SUPP - CONSUMER TRANS FACIL | 5798-NPE     |     | 575     |          |          |          | 12         | GB30-1295 SVSTEM/3             | 1 S H       |
| >3624   | S/34 APPLIC SUPPORT FOR 3624 CTF            | 5798-RDP     |     | 800     |          |          |          | 12         | GB30-1626 SVSTEM/34            | 1 S H       |
| 3624    | 3614 3624 CONSUMER ONLINE TRANSACTIONS      | 5740-F51     |     | 695     |          |          |          |            | GH20-2019 OS/V5                | 1 I B       |
| 3624    | 3614 3624 CONSUMER ONLINE TRANSACTIONS      | 5746-F57     |     | 589     |          |          |          |            | GH20-2019 DOS/V5               | 1 I B       |
| 3624    | 3624 TELLER MACHINE IMS/V5 HOST SUPPORT     | 5796-BBG     |     | 1725    |          |          |          | 12         | G320-6427 MVS,ACF/VTAM         | 1 S H       |
| 3630    | 3630 / 3600 DATA TRANSFER - CONTROLLER      | 5798-CYK     |     | 120     |          |          |          | 12         | GB21-2385 5798-CYL             | 1 S H       |
| 3630    | 3630 / 3600 DATA TRANSFER - HOST            | 5798-CYL     |     | 85      |          |          |          | 12         | GB21-2389 5798-CYK OS/V5       | 1 S H       |
| 3630    | 3630 PLANT COMMUNICATION HOST SERVICES      | 5744-CR1     |     |         |          |          |          |            | GA24-3721 OS/V5                | 0 S N       |
| 3630    | 3630 PLANT COMMUNICATION SYSTEM HOST        | 5747-CJ1     |     |         |          |          |          |            | GA24-3721 DOS/V5               | 0 S N       |
| 3630    | 3630 PLANT MONITORING AND CONTROL           | 5798-DAH/01  |     | 184     |          |          |          | 24         | GB21-2506 DOS/V5 OS/V5         | 1 S H       |
| 3630    | 3630 PLANT MONITORING ENHANCEMENTS          | 5798-DAH/02  |     | 75      |          |          |          | 24         | GB21-2506 9566-9567            | 1 S H       |
| >3640   | 3640 CICS/V5 EXTENSIONS - 4331 LOOPS        | 5799-BEH     |     | 61      | 45       | 6        | 10       |            | DOS/VSE,OS/V51                 | 1 S K       |
| 3640    | 3640 PRESENTATION SERVICES EXECUTION MGR    | 5660-267/01  |     | 61      | 45       | 16       | 26       |            | GC31-0010 DPPX/BASE            | 1 S K       |
| 3640    | 3640 PS INTERACTIVE TRANSACTION GENERATR    | 5660-267/02  |     | 253     | 189      | 44       | 70       |            | GC31-0010 6002                 | 1 S K       |
| 3640    | 8100 / 3640 SHOP FLOOR CONTROL SYSTEM       | 5796-BBR     |     | 345     |          |          |          | 12         | G320-6432 DPPX                 | 1 S H       |
| 3640    | 8100 3640 SPECIAL SUPPORT SUBROUTINES       | 5798-DEJ     |     | 40      |          |          |          | 12         | GB21-2719 8100/DPPX-COBOL      | 1 S H       |
| 3644    | DPPX 3644 PARAMETER TABLE GENERATOR         | 5760-EB1     |     | 24      | 18       | 6        | 10       |            | GC24-5179 DPPX                 | 1 S K       |
| 3644    | 3644 PARAMETER TABLE GENERATION FACILITY    | 5668-998     |     | 63      | 47       | 6        | 10       |            | GC31-0009 DOS/VSE,OS/V51       | 1 S K       |
| 3650    | SIMULTANEOUS PRINTING 3650 TRANSACTIONS     | 5798-CZK     |     | 25      |          |          |          | 12         | GB21-2469 DOS/V5               | 1 S H       |
| >3650   | 3650 APPLICATION DEVELOPMENT DEBUG          | 5798-DGY     |     | 70      |          |          |          | 12         | GB21-2883 OS/V5,DOS/VSE        | 1 S H       |
| 3650    | 3650 PROGRAMMABLE STORE SYSTEM COBOL        | 5740-CB2     |     | 254     | 190      | 8        | 13       |            | GC30-3059 OS/V5                | 1 S K       |
| 3650    | 3650 PSS SPPS II                            | 5744-DA1     |     |         |          |          |          |            | GC30-9535 OS/V5                | 0 S N       |
| 3650    | 3650 PROGRAMMABLE STORE SYSTEM COBOL        | 5746-CB2     |     | 186     | 139      | 8        | 13       |            | GC30-3059 DOS/V5               | 1 S K       |
| 3650    | 3650 PROGRAMMABLE STORE SYSTEM SPPS         | 5747-CJ2     |     |         |          |          |          |            | GC30-9535 DOS/V5               | 0 S N       |
| 3650    | 3650 POINT OF SALE RETAIL ENVIRONMENT       | 5748-D14     |     | 84      |          |          |          | 48         | GC30-3056 DOS/V5,OS/V5         | 1 S A       |
| 3650    | 3650 POINT OF SALE REPORT CUSTOMIZER        | 5748-D15     |     | 9       |          |          |          | 48         | GC30-3054 3650                 | 1 S A       |
| 3650    | 3650 PHARMACY APPLICATION                   | 5798-DAK     |     | 471     |          |          |          | 24         | GB21-2513 DOS/V5 OS/V5         | 1 S H       |
| 3650    | 3650 RETAIL STORE SYSTEM                    | 5744-BQ3     |     |         |          |          |          |            | GC30-9512 OS/V5                | 0 S S       |
| 3650    | 3650 RETAIL STORES SYSTEM                   | 5747-BJ1     |     |         |          |          |          |            | GC30-3023 DOS/V5               | 0 S S       |
| 3650    | 3650 RETAIL STORE SYSTEM                    | 5747-BJ3     |     |         |          |          |          |            | GC30-9514 DOS/V5               | 0 S N       |
| 3650    | 3650 RETAIL TRANSACTION STAGING             | 5798-DDO     |     | 215     |          |          |          | 12         | GB21-2703 OS/V5,VSE 5748-D14   | 1 S H       |
| 3650    | 3650 SUBSYSTEM PROGRAM PREP SUPPORT II      | 5735-D16     |     | 400     | 300      | 22       | 35       |            | GC30-9524 DOS/VSE,OS/V5        | 1 S K       |
| 3650    | 3650 SUPERMARKET ENVIRONMENT                | 5748-D21     |     | 55      |          |          |          | 48         | GC30-3055 3650                 | 1 S A       |

| KEYWORD   | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC DSLO LLPS MLPS |      |     |     | GENERAL MO   | ENVIRONMENT OR FEATURE # | T I S P L V |
|-----------|--|--------------|-----|--------------------|------|-----|-----|--------------|--------------------------|-------------|
|           |  |              |     | FEE                | FEE  | FEE | FEE |              |                          |             |
| 3650      | 3650 STORE DATA MANAGEMENT               | 5748-D22     |     | 21                 |      |     |     | 48 GH20-2150 | DOS/V5,OS/V51,MVS        | 1 S A       |
| 3650      | 3650 STORE ACCOUNTING REPORT CUSTOMIZER  | 5798-CWG     |     | 71                 |      |     |     | 12 GB21-2273 | DOS/V5 ANS COBOL         | 1 S H       |
| 3650      | 3650 STORE MERCHANDISE MANAGEMENT        | 5798-DCB     |     |                    | 1305 |     |     | 01 GB21-2583 | OS/V5,DOS/V5             | 1 S H       |
| 3650      | 3650 STORE RESOURCE MANAGEMENT SYSTEM    | 5798-DCD     |     |                    | 1585 |     |     | 01 GB21-2591 | OS/V5,DOS/V5             | 1 S H       |
| 3650      | 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | 5744-D16     |     |                    |      |     |     | GC30-3060    | OS/V5                    | 0 S J       |
| 3650      | 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | 5747-D16     |     |                    |      |     |     | GC30-9536    | DOS/V5E                  | 0 S N       |
| >3660     | SUPERMARKET COMMUNICATION SYS            | 5798-NTL     |     | 230                |      |     |     | 12 GB30-1247 | SYSTEM/34                | 1 S H       |
| 3660      | 3660 SUPERMARKET SYSTEM - HOST SUPPORT   | 5744-BR1     |     |                    |      |     |     | GC30-3022    | OS/V5                    | 0 S S       |
| 3660      | 3660 SUPERMARKET STORE SYSTEM            | 5744-BR2     |     |                    |      |     |     | GC30-9504    | OS/V5                    | 0 S S       |
| 3660      | 3660 SUPERMARKET STORE SYSTEM            | 5747-BK2     |     |                    |      |     |     | GH30-3025    | DOS/V5                   | 0 S S       |
| 3661      | 3661 FILE CREATION PROGRAM               | 5796-PFZ     |     | 185                |      |     |     | 12 G320-5678 | DOS/V51,VS1,VS2,VTAM     | 1 I H       |
| 3680      | 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | 5744-D16     |     |                    |      |     |     | GC30-3060    | OS/V5                    | 0 S J       |
| 3680      | 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | 5747-D16     |     |                    |      |     |     | GC30-9536    | DOS/V5E                  | 0 S N       |
| 3680      | 3680 STORE SYSTEMS SALES APPLICATION     | 5735-D61     |     | 5                  |      |     |     | 48 GH20-2461 | DOS/V5E,DOS/V5,OS/V5     | 1 S A       |
| 3680      | 3680 STORE SYSTEMS ADMINISTRATION        | 5735-D62     |     | 10                 |      |     |     | 48 GH20-2461 | DOS/V5E,DOS/V5,OS/V5     | 1 S A       |
| 3694      | CHECK PROCESSING EXECUTIVE / 3694        | 5748-F53     |     | 52                 |      |     |     | GH20-2444    | 5748-F54                 | 1 S B       |
| 3694      | 3694 APPLICATION MACRO EXPANSIONS        | 5748-F56     |     | 75                 | 56   | 16  | 26  | GC31-0012    | OS/V5,DOS/V5E            | 1 S K       |
| 3694      | 3694 INDEPENDENT RELEASE                 | 5658-001     |     |                    |      |     |     | GC31-0013    | OS/V5,DOS/V5E            | 0 S S       |
| >3694     | 3694 TABLE PREP FACILITY                 | 5798-RFK     |     | 100                |      |     |     | 12 GB30-1645 | SYSTEM/34                | 1 S H       |
| 370       | DISTRIBUTED OFFICE SUPPORT / 370 REL 1   | 5666-264     |     | 906                | 679  | 160 | 256 | GH12-5137    | DOS/V5E                  | 2 S K       |
| 370       | DISTRIBUTED OFFICE SUPPORT / 370 VER 2   | 5668-982     |     | 975                | 731  | 185 | 296 | GH12-5139    | OS/V5                    | 2 S K       |
| 370       | LIST PROCESSOR 370                       | 5796-PKL     |     | 1500               |      |     |     | 24 G320-6061 | OS/V52, VM/CMS           | 1 S H       |
| >370      | S/1 NATIVE APPL LOAD FAC - VER 2         | 5798-RBR     |     | 172                |      |     |     | 12 GB30-1071 | SERIES/1                 | 1 S H       |
| >370      | S/370 PROGRAM PREP FOR SERIES/1          | 5798-NNQ     |     | P 598              |      |     |     | 12 GB30-1071 | SERIES/1                 | 1 S H       |
| 370       | VIRTUAL MACHINE / 370                    | 5749-010     |     |                    |      |     |     | GC20-1800    |                          | 0 S J       |
| >370      | 370 HOST COBOL FOR SERIES/1 EDX          | 5799-TEL     |     | 1435               |      |     |     | 24 GC34-1720 | SERIES/1                 | 1 S E       |
| >370      | 370 HOST COBOL FOR SERIES/1 RPS          | 5799-TEP     |     | 1435               |      |     |     | 24 GC34-1721 | SERIES/1                 | 1 S E       |
| >370 PL/1 | S/1 HOST PL/1 - RPS                      | 5798-NZJ     |     | 960                |      |     |     | 24 GB30-1483 | SERIES/1                 | 1 S H       |
| >370 PL/1 | S/1 HOST PL/1 - EDX                      | 5798-NZK     |     | 960                |      |     |     | 24 GB30-1486 | SERIES/1                 | 1 S H       |
| 3704      | EP/V5 - 3704 / 3705 EMULATOR SUPPORT     | 5747-AG1     |     |                    |      |     |     | GC30-3008    | DOS/V5,DOS/V5E           | 0 S J       |
| 3704      | LINK CONTROL FDX IATA 3704 SEP           | 5799-AHP     |     | 450                |      |     |     |              | ACP                      | 1 B         |
| 3704/5    | 3704/5 EMULATOR SUPPORT PACKAGE          | 5744-AN1     |     |                    |      |     |     | GC30-3002    | OS/V5,VM                 | 0 S J       |
| 3704/5    | 3704/5 NETWORK CONTROL PROGRAM VERSION 3 | 5744-BA2     |     |                    |      |     |     | GC30-3008    | OS/V5                    | 0 S J       |
| 3704/5    | 3704/5 NCP SUPPORT PACKAGE               | 5747-AJ2     |     |                    |      |     |     | GC30-3008    | DOS/V5                   | 0 S J       |
| 3704/5    | 3704/5 EP TRACE EDITOR PROGRAM           | 5798-CHZ     |     | 55                 |      |     |     | 12 GB21-1822 | DOS/V5,OS/V5             | 1 I H       |
| 3705      | EP/V5 - 3704 / 3705 EMULATOR SUPPORT     | 5747-AG1     |     |                    |      |     |     | GC30-3008    | DOS/V5,DOS/V5E           | 0 S J       |
| 3705-II   | PEP EXTENDED FEATURES FOR THE 3705-II    | 5799-BAF     |     | 281                | 210  | 24  | 38  | GC30-9540    | VS1 MVS DOS/V5E VM       | 2 S K       |
| 3730      | 3730 DISTRIBUTED OFFICE SUPPORT FOR 6670 | 5798-DCW     |     | 125                |      |     |     | 12 GB21-2631 | CICS/OS/V5               | 1 S H       |
| >3735     | S/3 SUPPORT FOR 3735                     | 5799-WER     |     |                    |      |     |     | GA27-3043    | SYSTEM/3                 | 0 S C       |
| 3741      | IBM 3741 REPORT GENERATOR                | 5796-ARC     |     | 100                |      |     |     | 12 G320-5823 |                          | 1 S H       |

| KEYWORD | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE #       | T I S P L V |
|---------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------------|-------------|
| >3741   | S/3 TO 3741 DATA TRANSFER                | 5798-AZZ     |     | 62      |          |          |          | 06         | GB21-1207 SYSTEM/3             | 1 I H       |
| 3741    | 3741 SORT PROGRAM                        | 5798-CHB     |     | 265     |          |          |          | 01         | GB21-1776 3741                 | 1 S H       |
| 3760    | 3760 AUTOMATED DOS/VS JOB SUBMISSION     | 5796-AMA     |     | 60      |          |          |          | 12         | G320-6085 DOS/VS, 5747-BW1     | 1 S H       |
| 3760    | 3760 BATCH DATA TRANSFER UNDER CICS/VS   | 5798-CQB     |     | 175     |          |          |          | 12         | GB21-2112 EXTM.TCAM,VTAM       | 1 S H       |
| 3760    | 3760 BATCH TRANSFER INSTALLATION AID     | 5798-CYN     |     | 215     |          |          |          | 12         | GB21-2383 DOS/VS               | 1 S H       |
| 3760    | 3760 DYNAMIC BTP GENERATOR SYSTEM        | 5796-ANF     |     | 65      |          |          |          | 12         | G320-5724 OS/VS1,SVS,MVS       | 1 S H       |
| 3770    | 3770 DISPLAY MANAGEMENT SYSTEM / 3770    | 5748-XC3     |     | 275     |          |          |          |            | GH20-2020 DOS/VS,OS/VS,CMS     | 1 S C       |
| 3770    | 3770 COMMUNICATIONS UTILITY              | 5798-CRZ     |     | 100     |          |          |          | 12         | GB21-1936 DOS/VS,OS/VS         | 1 I H       |
| 3770    | 3770 SORT PROGRAM                        | 5798-CNY     |     | 80      |          |          |          | 12         | GB21-2050 3770 MACROS          | 1 S H       |
| 3770    | 3770 SUPERVISOR ASSEMBLER                | 5798-CMH     |     | 115     |          |          |          | 12         | GB21-2278 DOS/VS,OS/VS,VM/CMS  | 1 I H       |
| 3770    | 3770 3790 ASSEMBLER LISTING POST EDITOR  | 5798-CQZ     |     | 81      |          |          |          | 12         | GB21-2159 DOS/VS,OS/VS1        | 1 I H       |
| 3770    | 3770 / 3770 PVS DATA-SET TEST SUPPORT    | 5798-CPG     |     | 80      |          |          |          | 12         | GB21-2073 OS/VS, DOS/VS        | 1 I H       |
| 3770    | 3790 3770 HOST SUPPORT                   | 5744-BZ3     |     |         |          |          |          |            | GC22-9071 OS/VS                | 0 S N       |
| 3770    | 3790 3770 HOST SUPPORT DPCX              | 5747-BQ1     |     |         |          |          |          |            | GC22-9071 DOS/VS               | 0 S N       |
| 3770-P  | 3770-P BATCH TRANSMISSION SERVICES       | 5798-CNX     |     | 130     |          |          |          | 12         | GB21-2044 DOS/VS OS/VS         | 1 S H       |
| 3777-2  | POWER/VS 3777-2 WORKSTATION PROGRAM      | 5798-CXR     |     | 80      |          |          |          | 12         | GB21-2338 DOS/VS               | 1 S H       |
| 3790    | 3790 DISPLAY MANAGEMENT SYSTEM / 3790    | 5748-XC2/01  |     | 363     |          |          |          |            | GH20-2002 DOS/VS,OS/VS         | 1 S C       |
| 3790    | 3770 3790 ASSEMBLER LISTING POST EDITOR  | 5798-CQZ     |     | 81      |          |          |          | 12         | GB21-2159 DOS/VS,OS/VS1        | 1 S H       |
| 3790    | 3790 / 3770 PVS DATA-SET TEST SUPPORT    | 5798-CPG     |     | 80      |          |          |          | 12         | GB21-2073 OS/VS, DOS/VS        | 1 I H       |
| 3790    | 3790 BASIC KEY TO DISK SYS               | 5796-AWF     |     | 45      |          |          |          | 24         | G320-6090 DOS/VS, OS/VS1       | 1 S H       |
| 3790    | 3790 DISK UTILITY                        | 5798-CPA     |     | 64      |          |          |          | 12         | GB21-2053 3790 MACROS          | 1 S H       |
| 3790    | 3790 DISKETTE UTILITY                    | 5798-CRF     |     | 40      |          |          |          | 12         | GB21-2182                      | 1 S H       |
| 3790    | 3790 DATA ENTRY FOR MERCHANT SALES DRAFT | 5798-CZL     |     | 625     |          |          |          | 12         | GB21-2453 DOS/VS,OS/VS         | 1 S H       |
| 3790    | 3790 INTERACTIVE FILE MAINTENANCE        | 5798-CZQ     |     | 145     |          |          |          | 12         | GB21-2476 DOS/VS, OS/VS,VM/CMS | 1 S H       |
| 3790    | 3790 KEY SEQUENTIAL FILE MACROS          | 5798-CRG     |     | 90      |          |          |          | 12         | GB21-2176 DOS/VS, OS/VS1       | 1 I H       |
| 3790    | 3790 QUERY PROGRAM                       | 5798-CNR     |     | 80      |          |          |          | 12         | GB21-2035                      | 1 S H       |
| 3790    | 3790 3770 HOST SUPPORT                   | 5744-BZ3     |     |         |          |          |          |            | GC22-9071 OS/VS                | 0 S N       |
| 3790    | 3790 3770 HOST SUPPORT DPCX              | 5747-BQ1     |     |         |          |          |          |            | GC22-9071 DOS/VS               | 0 S N       |
| 3790    | 8100 DPCX 3790 DATA-SET UTILITY PROGRAM  | 5785-DCL     |     | 115     |          |          |          | 12         | GB21-2535 VS1 DOS/VSE          | 1 S H       |
| 3790    | 8100 DPCX 3790 SORT/MERGE PROGRAM        | 5798-DAF     |     | 35      |          |          |          | 12         | GB21-2501 DOS/VSE OS/VS        | 1 S H       |
| 3790    | 8100/DPCX 3790 DISTRIBUTED ENTRY QUERY   | 5798-CZE/01  |     | 190     |          |          |          | 12         | GB21-2431 DOS/VSE OS/VS DOSF   | 1 S H       |
| 3800    | ATMS II MULTIPLE FONTS FOR THE 3800      | 5798-CRH     |     | 175     |          |          |          | 12         | GB21-2184 OS/VS CICS/VS        | 1 S H       |
| 3800    | BOLDFACE PRINT PROGRAM FOR THE 3800      | 5798-CRR     |     | 145     |          |          |          | 12         | GB21-1942 OS/VS2,OS/VS2        | 1 S H       |
| 3800    | BUSINESS GRAPHING ON THE IBM 3800        | 5798-CRB     |     | 191     |          |          |          | 12         | GB21-2167 OS/VS                | 1 S H       |
| 3800    | HASP SUPPORT FOR 3800                    | 5799-ATQ     |     | 525     |          |          |          |            | GH20-4493 OS/MVT               | 1 S C       |
| 3800    | 3800 CHARACTER EXTENSIONS                | 5798-CZG     |     | 300     |          |          |          | 01         | GB21-2429 OS/VS DOS/VS         | 0 S H       |
| 3800    | 3800 FORMS UTILITY                       | 5798-CMW     |     | 200     |          |          |          | 12         | GB21-2287 OS/VS, PL/I          | 1 S H       |
| 3800    | 3800 FORMAT II                           | 5798-DAC     |     | 70      |          |          |          | 12         | GB21-2496 OS/VS                | 1 S H       |
| 3800    | 3800 HIGH VOLUME PRINTING PROGRAM        | 5796-ARA     |     | 180     |          |          |          | 12         | G320-5821 OS/VS                | 1 S H       |
| 3800    | 3800 INTERACTIVE CHARACTER DESIGN: ATMS  | 5798-CRK     |     | 165     |          |          |          | 12         | GB21-2191 OS/VS, ATMS-II       | 1 I H       |

| KEYWORD | PROGRAM INFORMATION                          | ORDER       | T | LIC  | DSLO | LLPS | MLPS | GENERAL                           | ENVIRONMENT  | T I S |
|---------|--|-------------|---|------|------|------|------|-----------------------------------|--------------|-------|
|         |  | NUMBER      | C | FEF  | FEF  | FEF  | MO   | INFO                              | OR FEATURE # | P L V |
| 3800    | 3800 INTERACTIVE CHARACTER DESIGN: VM/CM     | 5798-CTH    |   | 165  |      |      |      | 12 GB21-2191                      |              | 1 I H |
| 3800    | 3800 INTERACTIVE CHARACTER DESIGN: TSO       | 5798-CTJ    |   | 165  |      |      |      | 12 GB21-2191                      |              | 1 I H |
| 3800    | 3800 LINE INSERTER                           | 5796-AZK    |   | 85   |      |      |      | 12 G320-6393 OS/VS                |              | 1 S H |
| 3800    | 3800 OFFLINE UTILITY                         | 5748-UT2    |   | 64   | 48   | 14   | 22   | GA26-1653 DOS/VS, OS/VS           |              | 1 I K |
| 3800    | 3800 PLOTTING FACILITY                       | 5785-AAA    |   | 220  |      |      |      | 12 GB21-2154 OS/VS                |              | 1 S H |
| 3800    | 3800 PAGE FORMATTING SERVICES                | 5796-AWE    |   | 295  |      |      |      | 12 G320-6089 OS/VS                |              | 1 S H |
| 3800    | 3800 REPORT DISTRIBUTION                     | 5798-DDK    |   | 180  |      |      |      | 12 GB21-2676 OS/VS                |              | 1 S H |
| 3800    | 3800 SYSTEM DESIGN AND DOCUMENT AID          | 5796-ATY    |   | 170  |      |      |      | 12 G320-6082 OS/VS                |              | 1 I H |
| >3800   | 3800 SIDE-BY-SIDE PAGE PROCESSOR             | 5798-DFW    |   | 65   |      |      |      | 12 GB21-2816 OS/VS                |              | 1 S H |
| 3800    | 3800 UNIVERSAL PRODUCT CODE PRINTING         | 5798-CTA    |   | 235  |      |      |      | 12 GB21-2219 OS/VS                |              | 1 S H |
| 3800    | 3800 90 DEGREE PRINT PROGRAM                 | 5796-ARE    |   | 260  |      |      |      | 12 G320-5825 OS/VS                |              | 1 S H |
| 3800    | 3800 90 DEGREE PRINT PROGRAM                 | 5796-AWX    |   | 260  |      |      |      | 12 G320-5825 DOS/VSE              |              | 1 S H |
| 3800    | 3800 90 DEGREE PRINT EXTENSIONS              | 5796-BAC    |   | 65   |      |      |      | 12 G320-6418 5796-ARE, -AWX       |              | 1 S H |
| 3850    | 3850 MVSIZAP FOR THE 3850                    | 5799-WPK    |   |      |      |      |      | MVS VS1                           |              | 0 S C |
| 3850    | 3850 CARTRIDGE OFF-SITE STORAGE SYSTEM       | 5796-AWZ    |   | 180  |      |      |      | 12 G320-6166 VS1                  |              | 1 S H |
| 3850    | 3850 TRACE INTERPRETATION PACKAGE            | 5785-DBW    |   | 250  |      |      |      | 12 GB21-2541 MVS                  |              | 1 I H |
| 3890    | 3890 CPCS 3890 FEATURE                       | 5734-F11/02 |   | 506  |      |      |      | GH20-1970 6080-6081, 6091         |              | 2 I B |
| 3890    | 3890 PROOF OF DEPOSIT & TRANSIT 3890 FEATURE | 5796-AKW    |   | 720  |      |      |      | 12 G320-5687 DOS/VS, CICS/VS      |              | 1 S H |
| 3890    | 3890 APPLICATION & INSTALLATION SUPPORT      | 5798-BDC    |   | 284  |      |      |      | 12 GB21-1342 DOS/VS               |              | 1 I H |
| 3890    | 3890 CYCLE SORT                              | 5798-CHD    |   | 549  |      |      |      | 12 GB21-1781 DOS/VS               |              | 1 I H |
| 3890    | 3890 DOCUMENT PROCESSOR SUPPORT              | 5746-DC1    |   | 90   |      |      |      | GC31-0001 DOS/VSE                 |              | 1 S B |
| 3890    | 3890 DOS/VS OFFLINE SORT                     | 5798-CFD/01 |   | 124  |      |      |      | 12 GB21-1662 DOS/VS 5798-BDC      |              | 1 S H |
| 3890    | 3890 DOS/VSE OFFLINE FINE SORT II            | 5798-CFD/02 |   | 88   |      |      |      | 12 GB21-1662 9560-9561            |              | 1 S H |
| 3890    | 3890 DOS/VS CYCLE SORT                       | 5798-CQX    |   | 408  |      |      |      | 12 GB21-2165 DOS/VS, 5798-BDC     |              | 1 S H |
| 3890    | 3890 ONLINE FINE-SORT ENHANCEMENTS           | 5796-AYF    |   | 185  |      |      |      | 12 G320-6329 5798-CRC AND CPCS    |              | 1 S H |
| 3890    | 3890 OS/VS OFFLINE FINE SORT                 | 5798-BDY/01 |   | 144  |      |      |      | 12 GB21-1383 OS/VS                |              | 1 S H |
| 3890    | 3890 OS/VS OFFLINE SORT ENHANCEMENTS         | 5798-BDY/02 |   | 94   |      |      |      | 12 GB21-1383 9526-9527            |              | 1 S H |
| 3890    | 3890 OS/VS PROGRAMMING TESTING AID           | 5798-CBG/01 |   | 264  |      |      |      | 12 GB21-1444 DOS/VS OS/VS DOS/VSE |              | 1 S H |
| 3890    | 3890 ON-US EDITING                           | 5798-CLJ    |   | 204  |      |      |      | 12 GB21-1966 OS/VS                |              | 1 S H |
| 3890    | 3890 ONLINE FINE SORT - OS/VS/CPCS           | 5798-CRC    |   | 900  |      |      |      | 12 GB21-2170 OS/VS                |              | 1 S H |
| 3890    | 3890 ONLINE FINE SORT - DOS/VS               | 5798-CWR    |   | 845  |      |      |      | 12 GB21-2276 DOS/VS DOS/VSE REL   |              | 1 S H |
| 3890    | 3890 ON-US EDITING                           | 5798-DBL    |   | 210  |      |      |      | 12 GB21-2559 DOS/VSE              |              | 1 S H |
| 3890    | 3890 PROGRAMMING TEST AID ENHANCEMENT        | 5798-CBG/02 |   | 40   |      |      |      | 12 GB21-1444 9516-9517            |              | 1 S H |
| 3890    | 3890 STATEMENT PREPARATION SORT              | 5796-ALP    |   | 300  |      |      |      | 12 G320-5715 OS/VS1               |              | 1 S H |
| 415     | GE 415 COBOL TO ANS COBOL CONVERSION AID     | 5798-ASY    |   | 275  |      |      |      | 12 GB21-0914 DOS                  |              | 0 S H |
| >4331   | 3640 CICS/VS EXTENSIONS - 4331 LOOPS         | 5799-BEH    |   | 61   | 45   | 6    | 10   | DOS/VSE, OS/VS1                   |              | 1 S K |
| >4700   | 4700 AUTOMATED TELLER SYSTEM 3600 4700       | 5798-DHK    | P | 180  |      |      |      | 12 GB21-2909 3600 4700            |              | 1 S H |
| 4700    | 4700 HOST CONTROL FOR REMOTE 3600 & 4700     | 5796-AWG    |   | 215  |      |      |      | 12 G320-6091 DOS/VS, PC/3600      |              | 1 S H |
| 4700    | 4700 PROGRAM CUSTOMIZER / 3600 4700          | 5740-F11    |   | 1740 |      |      |      | GH20-1587 OS/VS                   |              | 1 I B |
| 4700    | 4700 PROGRAM CUSTOMIZER / 3600 4700          | 5746-F11    |   | 966  |      |      |      | GH20-1587 DOS/VSE                 |              | 1 I B |

KEYWORDS - ALPHABETIC SEQUENCE

1-177

CODES EXPLAINED ON PAGE XI

| KEYWORD          | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | GENERAL MO | ENVIRONMENT OR FEATURE # | T I S P L V          |       |
|------------------|--|--------------|-----|---------|----------|----------|----------|------------|--------------------------|----------------------|-------|
| 4700             | TRANSACTION CROSS REFERENCE 3600 4700    | 5796-ATR     |     | 150     |          |          |          | 12         | G320-6077                | DOS/V5,OS/V5,CICS/V5 | 1 S H |
| 4700             | 3600 4700 ADMINISTRATIVE APPLICATIONS    | 5748-F55     |     | 32      |          |          |          |            | GH20-2414                | IMS/V5 CICS/V5       | 1 S B |
| >4700            | 4700 FINANCE SYSTEM COBOL                | 5666-266     |     | 325     | 243      | 56       | 90       |            | GL23-0078                | DOS/VSE              | 1 S K |
| >4700            | 4700 FINANCE SYSTEM - COBOL              | 5668-987     |     | 450     | 337      | 69       | 110      |            | GL23-0078                | OS/V5                | 1 S K |
| >4700            | 4700 FINANCE SYSTEM - HOST               | 5668-982     |     | 550     | 412      | 153      | 245      |            | GC31-2016                | OS/V5,DOS/VSE        | 1 S K |
| >4700            | 4700 FIN SYS COM ONLINE TER SUP COLTS    | 5799-BGB     |     | 50      |          |          |          |            |                          | 36/4700              | 1 S B |
| >4963            | CPS 4963 SUBSYSTEM                       | 5799-TCZ     | R   | 15      |          |          |          | 24         | GC34-1638                | SERIES/1             | 1 S C |
| >4963/4966       | CPS 4963/4966 SAVE/RESTORE               | 5799-TDK     | R   | 15      |          |          |          | 24         | GC34-1622                | SERIES/1             | 1 S C |
| >4965            | CPS 4965 SUPPORT                         | 5799-TEK     | R   | 42      |          |          |          | 24         | GC34-1717                | SERIES/1             | 1 S E |
| >4969            | CPS 4969 MAG TAPE SUBSYSTEM              | 5799-TDW     | R   | 56      |          |          |          | 24         | GC34-0347                | SERIES/1             | 1 S C |
| >4969            | 4969 MAG TAPE SUBSYSTEM SUPPORT          | 5719-TA4     | R   | 25      |          |          |          |            | GC34-0289                | SERIES/1             | 1 S C |
| >4978            | RPS 4978 DISPLAY SUPPORT VER 3           | 5799-TCE     | R   | 3       |          |          |          |            | SC34-1592                | SERIES/1             | 1 S C |
| >4978/4979       | CPS 4978/4979 DISPLAY MAP                | 5799-TBE     | R   | 5       |          |          |          | 24         | GC34-1585                | SERIES/1             | 1 S C |
| >4978/4979       | 4978/4979 DISPLAY STATION CPS            | 5799-TAK     | R   | 7       |          |          |          | 24         | GC34-1575                | SERIES/1             | 1 S C |
| >4979            | 4979 DISPLAY STATION CPS                 | 5799-TAE     | R   | 2       |          |          |          | 24         | SC34-1554                | SERIES/1             | 1 S C |
| >5110            | PROGRAM DOCUMENTATION AID                | 5796-NXP     |     | 345     |          |          |          |            | 01 GB30-1333             | 5120 SYSTEM          | 0 S H |
| >5110 PAYROLL    | PAYROLL                                  | 5798-NPJ     |     | 92      |          |          |          | 12         | GB30-1117                | 5120 SYSTEM          | 1 S H |
| >5110/5120       | 5110/5120 BASIC TO SYS/23 CONVERSION AID | 5715-CV1     |     | 875     |          |          |          |            | 01 GC34-1693             | SVS/23 DATAMASTER    | 1 I E |
| >5110/5120       | 5110/5120 TO S/34 BASIC CONV AID         | 5798-RFE     |     | 900     |          |          |          |            | 01 GB30-1632             | SYSTEM/34            | 1 S H |
| >5224/5225       | 5224/5225 ADV PRINTER FUNCTION           | 5799-BFM     |     | 525     |          |          |          |            | 01 GC21-7922             | SYSTEM/34            | 1 S E |
| >5230            | DATA COLL SYS SUPPORT 5230 MFG DCSS      | 5714-M4A     |     | 100     | 75       |          |          |            | GH30-0709                | SYSTEM/38            | 1 I D |
| >5230            | ONLINE DATA COLL & INQUIRY               | 5798-NNG     |     | 230     |          |          |          | 12         | GB30-1060                | SYSTEM/3             | 1 S H |
| >5230            | S/34 ONLINE DATA COLLECT/INQUIRY         | 5798-NNE     |     | 115     |          |          |          |            | 12 GB30-1054             | SYSTEM/34            | 1 S H |
| >5230            | 5230 DATA COLLECT SYS SUPPORT FOR S/32   | 5725-M3A     |     | 63      |          |          |          |            | GH30-0016                | SYSTEM/32            | 1 I C |
| >5230            | 5230 DATA COLLECTION SUPPORT FOR S/34    | 5726-M3A     |     | 63      |          |          |          |            | GH30-0220                | SYSTEM/34            | 1 I C |
| >5230 TO HFMS    | HOSPITAL DATA INPUT SYSTEM               | 5798-NPB     |     | 81      |          |          |          | 12         | GB30-1089                | SYSTEM/32            | 1 S H |
| >5230 TO HFMS    | HOSPITAL DATA INPUT SYSTEM               | 5798-NTJ     |     | 81      |          |          |          | 12         | GB30-1089                | SYSTEM/34            | 1 S H |
| >5250            | 5250 INFO DISPLAY SYSTEM ATTACH SUPPORT  | 5719-TA1     | R   | 26      |          |          |          |            | GC34-0245                | SERIES/1             | 1 S C |
| >5260            | RETAIL DATA PREPARATION 5260             | 5714-XA4     |     | 129     | 97       |          |          |            | GH30-0136                | SYSTEM/38            | 1 I D |
| >5260 RETAIL SYS | DATA CONVERSION SYSTEM                   | 5798-NXA     |     | 113     |          |          |          | 24         | GB30-1290                | SYSTEM/3             | 1 S H |
| >5260/5265       | 5260 POS DATA CONVERSION SYSTEM          | 5798-NYC     |     | 86      |          |          |          | 12         | GB30-1348                | 5120 SYSTEM          | 1 S H |
| >5265            | RETAIL DATA PREPARATION 5265             | 5725-XA2     |     | 119     |          |          |          |            | GH30-0136                | SYSTEM/32            | 1 I B |
| >5280            | S/34 FILE EXTRACT/COMMUNICATION          | 5798-RDD     |     | 75      |          |          |          | 06         | GB30-1576                | SYSTEM/34            | 1 S H |
| >5280            | S/34 TO 5280 REPORT TRANSFER             | 5798-RDB     |     | 300     |          |          |          |            | 01 GB30-1581             | SYSTEM/34            | 1 S H |
| >5280-3270       | 5280-3270 EMULATION                      | 5708-EM1     |     | 46      | 35       |          |          |            | GC34-0383                | 5280 DATA SYSTEM     | 1 S A |
| >5445            | 5445 SUPPORT FEATURE MOD 10 DISK         | 5702-RG1/03  |     | 45      |          |          |          |            | GC21-5081                | 6012/14              | 1 S C |
| >5445            | 5445 SUPPORT FEATURE MOD 10 DISK         | 5702-SM1/02  |     | 72      |          |          |          |            | GC21-5194                | 6008/10              | 1 S C |
| >5520            | HOST/370 STORE & FORWARD 5520            | 5798-RHA     |     | 1000    |          |          |          | 12         | GB30-1690                |                      | 1 S H |
| >5520            | S/34 REMOTE DOC DISTRIB W/ 5520          | 5798-RHK     |     | 250     |          |          |          | 06         | GB30-1721                | SYSTEM/34            | 1 S H |
| >6000/1          | ENERGY 3 SPECIAL FEATURE (6000/1)        | 5719-U12/02  | R   | 66      |          |          |          | 48         | GH30-0094                | SERIES/1             | 1 S C |

KEYWORDS - ALPHABETIC SEQUENCE

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CODES EXPLAINED ON PAGE XI

| KEYWORD    | PROGRAM INFORMATION                      | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I L | S V |
|------------|--|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| >6000/1    | ENERGY SPECIAL FEATURE (6000/1)          | 5719-U14/02  | R   | 66      |          |          |          |    | 48 GH30-0094 | SERIES/1                 | 1   | S   | C   |
| >6008      | 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 5668-983/02  |     | 138     | 103      | 15       | 24       |    | GC34-2061    |                          | 2   | S   | K   |
| 6027,6028  | QBE TO ADRS II BRIDGE FEATURE            | 5796-PLN/02  |     | 52      |          |          |          |    | G320-6097    | 6027-6028                | 1   | I   | E   |
| >6029,6030 | ADRS II BUSINESS GRAPHICS FEATURE        | 5796-PLN/03  |     | 85      |          |          |          |    | G320-6668    | VSAPL                    | 1   | I   | E   |
| >6640      | INK JET PR EDX COMMUNICATIONS FACILITY   | 5798-ZZC     | P   | 40      |          |          |          | 36 | GB30-1307    | SERIES/1                 | 1   | S   | H   |
| 6670       | DOCUMENT COMPOSITION FACILITY FOR 6670   | 5798-DBR     |     | 56      |          |          |          | 12 | GB21-2563    | VM/CMS MVS               | 1   | S   | H   |
| 7010       | 1410 7010 INTEGRATED EMULATOR            | 5744-AG1     |     |         |          |          |          |    | GC33-2019    | OS/VS                    | 0   | S   | C   |
| 7040/7074  | 7040/7074 EMULATOR                       | 5744-AK1     |     |         |          |          |          |    | GC27-6948    | OS/VS                    | 0   | S   | C   |
| 7080       | 7080 EMULATOR                            | 5744-AL1     |     |         |          |          |          |    | GC27-6952    | OS/VS                    | 0   | S   | C   |
| 7090/7094  | 7090/7094 EMULATOR                       | 5744-AM1     |     |         |          |          |          |    | GC27-6983    | OS/VS                    | 0   | S   | C   |
| >8/10      | BASIC ASSEMBLER MOD 8/10 DISK            | 5702-AS1     |     | 104     |          |          |          |    | SC21-7509    | SYSTEM/3                 | 1   | S   | C   |
| >8/10      | BSCA SUPPORT FEATURE MOD 8/10 DISK       | 5702-RG1/02  |     | 53      |          |          |          |    | SC21-7507    | 6000/2                   | 1   | S   | C   |
| >8/10      | DATA ENTRY AND FILE MAINT MOD 8/10 DISK  | 5702-XX1     |     | 171     |          |          |          |    | SC21-5102    | SYSTEM/3                 | 1   | S   | C   |
| >8/10      | DISK FORTRAN IV MOD 8/10 DISK            | 5702-F01     |     | 126     |          |          |          |    | SC28-6974    | SYSTEM/3                 | 1   | S   | C   |
| >8/10      | DISK RPG II MOD 8/10 DISK                | 5702-RG1/01  |     | 62      |          |          |          |    | GC21-7514    | SYSTEM/3                 | 1   | S   | C   |
| >8/10      | DISK RESIDENT CARD UTILITIES MOD 8/10 D  | 5702-UT1     |     | 12      |          |          |          |    | SC21-7529    | SYSTEM/3                 | 1   | S   | C   |
| >8/10      | DISK SORT MOD 8/10 DISK                  | 5702-SM1/01  |     | 12      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1   | S   | C   |
| >8/10      | SUBSET ANS COBOL MOD 8/10 DISK           | 5702-CB1     |     | 108     |          |          |          |    | GC28-6452    | SYSTEM/3                 | 1   | S   | C   |
| >8/10      | SYSTEM CONTROL PROGRAM MOD 8/10 DISK     | 5702-SC1     |     |         |          |          |          |    | GC21-7578    | SYSTEM/3                 | 0   | S   | C   |
| >8/10      | TAPE SUPPORT FEATURE MOD 8/10 DISK       | 5702-RG1/04  |     | 45      |          |          |          |    | GC21-5040    | 6016/18                  | 1   | S   | C   |
| >8/10      | TAPE SORT PROGRAM MOD 8/10 DISK          | 5702-SM2     |     | 87      |          |          |          |    | SC21-7572    | SYSTEM/3                 | 1   | S   | C   |
| >8/10      | 1255 UTILITY MOD 8/10 DISK               | 5702-UT2     |     | 86      |          |          |          |    | SC21-7521    | SYSTEM/3                 | 1   | S   | C   |
| 8100       | CMS HOST DEVELOPMENT, TESTING 8100 COBOL | 5785-DCG     |     | 3500    |          |          |          | 01 | GB21-2572    | VM/CMS                   | 1   | S   | H   |
| 8100       | DISTRIBUTED OFFICE SUPPORT / 8100 / DOSF | 5661-172     |     | 164     | 123      | 32       | 51       |    | GH12-5139    | DPCX AND DOSF            | 2   | S   | K   |
| 8100       | TSD HOST DEVELOPMENT, TESTING 8100 COBOL | 5785-DCF     |     | 4000    |          |          |          | 01 | GB21-2570    | OS/VS                    | 1   | S   | H   |
| 8100       | 8100 / 3640 SHOP FLOOR CONTROL SYSTEM    | 5796-BBR     |     | 345     |          |          |          | 12 | G320-6432    | DPPX                     | 1   | S   | H   |
| >8100      | 8100 AUTOMATED ADMINISTRATION ACTIVITIES | 5798-DHB     |     | 940     |          |          |          | 01 | GB21-2889    | DPCX                     | 1   | S   | H   |
| >8100      | 8100 COBOL APPLICATION INTEGRITY MONITOR | 5798-DGZ     |     | 1000    |          |          |          | 01 | GB21-2885    | DPPX                     | 1   | S   | H   |
| 8100       | 8100 DPCX IDTF FEATURE                   | 5761-DS1/02  |     | 74      | 55       | 9        | 14       |    | GC22-9075    | 6001                     | 1   | S   | K   |
| 8100       | 8100 DPCX 3790 DATA-SET UTILITY PROGRAM  | 5785-DCI     |     | 115     |          |          |          | 12 | GB21-2535    | VSI DOS/VSE              | 1   | S   | H   |
| 8100       | 8100 DPCX 3790 SORT/MERGE PROGRAM        | 5798-DAF     |     | 35      |          |          |          | 12 | GB21-2501    | DOS/VSE OS/VS            | 1   | S   | H   |
| 8100       | 8100 DPPX PAYROLL MANAGEMENT SYSTEM      | 5798-DDD     |     | 300     |          |          |          | 12 | GB21-2666    | DPPX/BASE                | 1   | S   | H   |
| >8100      | 8100 DPPX SPOOL OUTPUT TRANSCRIPTION     | 5798-DHW     |     | 600     |          |          |          | 01 | GB21-2926    | DPPX                     | 1   | S   | H   |
| 8100       | 8100 DPPX DEVELOPMENT SYSTEM - DPDS      | 5799-AZL     |     | 632     |          |          |          |    | GC27-0505    | OS/VS                    | 1   | S   | C   |
| >8100      | 8100 FORM LETTER GENERATION SYSTEM       | 5798-DHY     |     | 1120    |          |          |          | 01 | GB21-2931    | DPCX                     | 1   | S   | H   |
| >8100      | 8100 SEGMENTED ACCESS METHOD             | 5796-BCQ     |     | 270     |          |          |          | 12 | G320-6639    | DPPX.DTMS                | 1   | S   | H   |
| 8100       | 8100 3640 SPECIAL SUPPORT SUBROUTINES    | 5798-DEJ     |     | 40      |          |          |          | 12 | GB21-2719    | 8100/DPPX-COBOL          | 1   | S   | H   |
| 8100/DPCX  | 8100/DPCX HOST LICENSED PROGRAM SUPPORT  | 5735-XR3     |     | 187     | 140      | 60       | 96       |    | GC27-0572    | OS/VS DOS/VSE            | 1   | S   | K   |
| 8100/DPCX  | 8100/DPCX 3790 DISTRIBUTED ENTRY QUERY   | 5798-CZE/01  |     | 190     |          |          |          | 12 | GB21-2431    | DOS/VSE OS/VS DOSF       | 1   | S   | H   |
| >8100/DPPX | IBM 8100/DPPX FILE PRINT UTILITY         | 5798-DGG     |     | 25      |          |          |          | 12 | GB21-2840    | DPPX                     | 1   | S   | H   |



| <u>KEYWORD</u> | <u>PROGRAM INFORMATION</u>      | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|----------------|---------------------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| 90             | 3800 90 DEGREE PRINT PROGRAM    | 5796-ARE            |            | 260            |                 |                 |                 |           | 12 G320-5825        | OS/VS                           | 1 S H              |
| 90             | 3800 90 DEGREE PRINT PROGRAM    | 5796-ANX            |            | 260            |                 |                 |                 |           | 12 G320-5825        | DOS/VSE                         | 1 S H              |
| 90             | 3800 90 DEGREE PRINT EXTENSIONS | 5796-BAC            |            | 65             |                 |                 |                 |           | 12 G320-6418        | 5796-ARE,-AWX                   | 1 S H              |

GENERAL BUSINESS APPLICATIONS GBOF-3313 DAPS 1400

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| A DEPARTMENTAL REPORTING SYSTEM II       | ADRS-II    | 5796-PLN/01 |        | 152        |             |             |             |    | 6320-6097       | VSAPL                       | 1      | I      | E      |
| >A/P FOR DIRECTLY ATTACHED 3741          |            | 5798-NDE    |        | 178        |             |             |             | 12 | 6B30-0706       | SYSTEM/3                    | 1      | S      | H      |
| >ACCOUNTS PAYABLE                        |            | 5721-XB3    |        | 76         |             |             |             | 24 | G280-0182       | 5120 SYSTEM                 | 1      | S      | C      |
| ACCOUNTS PAYABLE                         |            | 5798-CAC    |        | 170        |             |             |             | 12 | GB21-1392       | DOS/VS                      | 1      | I      | H      |
| >ACCOUNTS PAYABLE                        |            | 5798-AKM    |        | 175        |             |             |             | 12 | GB21-0632       | SYSTEM/3                    | 1      | I      | H      |
| >ACCOUNTS PAYABLE DISTR MFG MAPICS       | DFAS II    | 5726-M43    |        | 70         | 53          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS PAYABLE DISTRIBUTION           | DMS/38     | 5714-D48    |        | 61         | 46          |             |             |    | GH30-0710       | SYSTEM/38                   | 1      | I      | D      |
| >ACCOUNTS PAYABLE DISTRIBUTORS           | DFAS       | 5725-D62    |        | 49         |             |             |             |    | GH30-0315       | SYSTEM/32                   | 1      | I      | C      |
| >ACCOUNTS PAYABLE DISTRIBUTORS           | DFAS       | 5726-D68    |        | 49         |             |             |             |    | GH30-0219       | SYSTEM/34                   | 1      | I      | C      |
| >ACCOUNTS PAYABLE MANUFACTURING          | MAPICS     | 5714-M43    |        | 61         | 46          |             |             |    | GH30-0710       | SYSTEM/38                   | 1      | I      | D      |
| >ACCOUNTS PAYABLE MFG                    | MNAS       | 5725-M33    |        | 49         |             |             |             |    | GH30-0034       | SYSTEM/32                   | 1      | I      | C      |
| >ACCOUNTS PAYABLE MGMT INFO MULTI IND    | BUS MGMT   | 5715-XX3    |        | 1025       |             |             |             | 01 | GB30-2744       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >ACCOUNTS RECEIVABLE                     |            | 5721-XB4    |        | 76         |             |             |             | 24 | G280-0183       | 5120 SYSTEM                 | 1      | S      | C      |
| >ACCOUNTS RECEIVABLE                     | DMAS       | 5725-D43    |        | 68         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE DISTRIBUTION        | DMS/38     | 5714-D42    |        | 99         | 74          |             |             |    | GH30-0130       | SYSTEM/38                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE DISTRIBUTORS        | DMAS II    | 5726-D48    |        | 68         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE DISTRIBUTORS        | DMAS II    | 5726-D42    |        | 70         | 53          |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE MANUFACTURING       | MAPICS     | 5714-M44    |        | 61         | 46          |             |             |    | GH30-0708       | SYSTEM/38                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE MFG                 | MNAS       | 5725-M34    |        | 51         |             |             |             |    | GH30-0031       | SYSTEM/32                   | 1      | I      | C      |
| >ACCOUNTS RECEIVABLE MFG                 | MAPICS     | 5726-M44    |        | 70         | 53          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE MGMT INFO MULTI IND | BUS MGMT   | 5715-XX4    |        | 1025       |             |             |             | 01 | GB30-2722       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >ADRS II BUSINESS GRAPHICS FEATURE       | 6029,6030  | 5796-PLN/03 |        | 85         |             |             |             |    | G320-6668       | VSAPL                       | 1      | I      | E      |
| >ADVANCE EARNED INCOME CREDIT I/F        |            | 5798-NVQ    |        | 575        |             |             |             | 01 | GB30-1395       | SYSTEM/34                   | 1      | S      | H      |
| ALPHA SEARCH INQUIRY - IMS INTERFACE     | ASIS       | 5798-AMB    |        | 670        |             |             |             | 12 | GB21-0987       | OS                          | 1      | I      | H      |
| ALPHA SEARCH INQUIRY SYS ONLINE UPDATE   | ASIS       | 5798-CFJ    |        | 400        |             |             |             | 12 | GB21-1677       | CICS/DOS/OS/VS,CMS          | 1      | S      | H      |
| ALPHA SEARCH INQUIRY SYSTEM              | ASIS       | 5736-N14    |        | 231        |             |             |             |    | GH20-1188       | CICS/OS/DOS/VS,CMS          | 1      | S      | C      |
| APL DATA INTERFACE - VERSION II          | APL/DI II  | 5796-PNG    |        | 264        |             |             |             |    | G320-6348       | VM/CMS WITH VSAPL           | 1      | S      | E      |
| >APL DATA INTERFACE II FOR TSO           | APL/DI II  | 5796-PNJ    |        | 250        |             |             |             |    | G320-6415       | TSO                         | 1      | S      | E      |
| APL DATA INTERFACE UNDER VSPC            | APL/DI     | 5796-PKB    |        | 240        |             |             |             | 24 | G320-5758       | VSPC WITH VSAPL             | 1      | S      | H      |
| APPLICANT TRACKING SYSTEM                |            | 5796-PLT    |        | 1100       |             |             |             | 12 | G320-6333       | VM/CMS                      | 1      | S      | H      |
| >AUDIO SUPPORT FOR TOUCH-TONE            |            | 5798-NXX    |        | 201        |             |             |             |    | GB30-1350       | SERIES/1                    | 1      | S      | H      |
| AUDIT FILE COMPARE PROGRAM               |            | 5796-PNF    |        | 100        |             |             |             | 12 | G320-6339       | OS/VS                       | 1      | S      | H      |
| >BILLING                                 |            | 5721-XB1    |        | 76         |             |             |             | 24 | G280-0184       | 5120 SYSTEM                 | 1      | S      | C      |
| >BILLING DISTRIBUTORS                    | DMAS II    | 5726-D44    |        | 98         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >BILLING INVOICING ORDER ENTRY           | DMAS       | 5725-D41    |        | 98         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1      | I      | D      |
| >BILLING MGMT INFO MULTI IND             | BUS MGMT   | 5715-XX7    |        | 1025       |             |             |             | 01 | GB30-2700       | SYS/23 DATAMASTER           | 1      | I      | E      |
| BOND QUOTE SYSTEM                        |            | 5796-AXY    |        | 185        |             |             |             | 12 | G320-6172       | MVS/TSO                     | 1      | S      | H      |
| >BRADS II GRAPH GENERATOR                | BRADSGRAPH | 5721-DC8    |        | 632        |             |             |             | 01 | GH30-2521       | 5120 SYSTEM                 | 1      | S      | C      |
| >BRADS II SPREAD SHEET GENERATOR         | BRADS SPRD | 5721-XB7    |        | 58         |             |             |             | 12 | GB30-1412       | 5120 SYSTEM                 | 1      | S      | C      |
| BRaille UTILITIES                        |            | 5798-CRZ    |        | 130        |             |             |             | 12 | GB21-2215       | DOS/VS,OS/VS,VM             | 1      | I      | H      |

GENERAL BUSINESS APPLICATIONS GBOF-3313 DAPS 1400 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #       | T | LIC  | DSLO | LLPS | MLPS | GENERAL      | ENVIRONMENT         | T I S |
|---|------------|---------------|---|------|------|------|------|--------------|---------------------|-------|
|   |            |               | C | SEE  | SEE  | SEE  | SEE  | INFO         | OR FEATURE #        | P L V |
| >BUSINESS ANAL/PROB SOLVER LIBRARY        |            | 5721-XM3      |   | 603  |      |      |      | 01 G580-0042 | 5100 SYSTEM         | 3 L C |
| >BUSINESS ANALYSIS -BASIC PROB SOLVER LIB |            | 5721-DC5      |   | 603  |      |      |      | 01 GH30-0394 | 5120 SYSTEM         | 3 L C |
| >BUSINESS REPORT APPLICATION DEV SYST     | BRADS III  | 5715-R62      |   | 1145 |      |      |      | 01 SB30-2536 | SYS/23 DATAMASTER   | 1 I E |
| >BUSINESS REPORT/APPL DEV SYS             |            | 5798-NPL      |   | 58   |      |      |      | 12 GB30-1122 | 5120 SYSTEM         | 1 L H |
| >BUSINESS REPORT/APPL DEV SYS II          |            | 5798-NXT      |   | 98   |      |      |      | 12 GB30-1341 | 5120 SYSTEM         | 1 S H |
| COBOL PAYROLL MANAGEMENT SYSTEM           |            | 5798-CVP      |   | 425  |      |      |      | 12 GB21-2399 | DOS/V5/VSE, COBOL   | 1 S H |
| >COMPREHENSIVE PAYROLL MGMT SYS           |            | 5798-AXD      |   | 149  |      |      |      | 12 GB21-1056 | SYSTEM/3            | 1 I H |
| COMPUTER GENERATED CORRESPONDENCE         |            | 5796-AER      |   | 585  |      |      |      | 12 G320-8094 | DOS/V5, OS/V5, CICS | 1 I H |
| >COST / BENEFIT MODELING AID              |            | 5798-DHE      |   | 355  |      |      |      | 12 GB21-2898 | OS/V5, DOS/VSE, VM  | 1 S H |
| >CUSTOMER SERVICE BILLING DISTRIBUTION    | DMS/38     | 5714-D41      |   | 113  | 85   |      |      | GH30-0130    | SYSTEM/38           | 1 I D |
| >DISPLAY INFORMATION FACILITY ALPH SEARCH | DIF        | 5714-XR1      |   | 77   | 58   |      |      | GH30-0145    | SYSTEM/38           | 1 I D |
| DPCX ACCOUNTING SYSTEM / DEPARTMENTAL     |            | 5798-DDL      |   | 110  |      |      |      | 12 GB21-2688 | DMS/3790, DPCX      | 1 S H |
| >ENERGY SPECIAL FEATURE (6000/1)          | FC/PM3     | 5719-U14/02 R |   | 66   |      |      |      | 48 GH30-0094 | SERIES/1            | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM1     | 5719-U11 R    |   | 164  |      |      |      | 48 GC34-0063 | SERIES/1            | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM2     | 5719-U12/01 R |   | 236  |      |      |      | 48 GH30-0094 | SERIES/1            | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM4     | 5719-U13 R    |   | 325  |      |      |      | 48 GH30-0500 | SERIES/1            | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM2M    | 5719-U14/01 R |   | 116  |      |      |      | 48 GH30-0094 | SERIES/1            | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM4M    | 5719-U15 R    |   | 144  |      |      |      | 48 GH30-0500 | SERIES/1            | 1 S C |
| >ENERGY 3 SPECIAL FEATURE (6000/1)        | FC/PM3     | 5719-U12/02 R |   | 66   |      |      |      | 48 GH30-0094 | SERIES/1            | 1 S C |
| FINANCIAL MANAGEMENT SYSTEM               |            | 5785-NAC      |   | 1750 |      |      |      | GB21-2679    | OS/V5, IMS/V5       | 2 S E |
| FINANCIAL PLANNING SYSTEM - CICS / VSPC   | FPS        | 5798-DBA      |   | 300  |      |      |      | 12 GB21-2538 | VSAPL W/ CICS, VSPC | 1 S H |
| FINANCIAL PLANNING SYSTEM - TSO           | FPS        | 5798-CXP      |   | 352  |      |      |      | 12 GB21-2335 | TSO WITH VSAPL      | 1 S H |
| FINANCIAL PLANNING SYSTEM II - VM/CMS     | FPS II     | 5798-DCN      |   | 200  |      |      |      | GB21-2622    | VM/CMS WITH VSAPL   | 1 S E |
| >FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P  | IFS-3      | 5668-969      |   | 356  |      |      |      | GH20-2467    | OS/V5, IMS/CICS/V5  | 1 S B |
| FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P   | IFS-3      | 5746-F54      |   | 317  |      |      |      | GH20-2467    | DOS/VSE, CICS, DL/I | 1 S B |
| >FINANCIAL: PAYMENT PROCESSING A/P        | IFS-4      | 5668-970      |   | 264  |      |      |      | GH20-2467    | OS/V5, IMS/CICS/V5  | 1 S B |
| FINANCIAL: PAYMENT PROCESSING A/P         | IFS-4      | 5746-F55      |   | 238  |      |      |      | GH20-2467    | DOS/VSE, CICS, DL/I | 1 S B |
| >FINANCIAL: POSTING & GENERAL LEDGER      | IFS-1      | 5668-967      |   | 805  |      |      |      | GH20-2467    | OS/V5, IMS/CICS/V5  | 1 S B |
| FINANCIAL: POSTINGS & GENERAL LEDGER      | IFS-1      | 5746-F52      |   | 714  |      |      |      | GH20-2467    | DOS/VSE, CICS, DL/I | 1 S B |
| >FINANCIAL: STATUS - P&L BALANCE SHEET    | IFS-2      | 5668-968      |   | 184  |      |      |      | GH20-2467    | OS/V5, IMS/CICS/V5  | 1 S B |
| FINANCIAL: STATUS - P&L BALANCE SHEET     | IFS-2      | 5746-F53      |   | 158  |      |      |      | GH20-2467    | DOS/VSE, CICS, DL/I | 1 S B |
| >FIXED ASSET ACCTG & CONTR SYS            |            | 5798-NQF      |   | 161  |      |      |      | 12 GB30-1156 | SYSTEM/34           | 1 S H |
| >FIXED ASSET ACCTG & CONTROL              |            | 5798-AGZ      |   | 158  |      |      |      | 12 GB21-0447 | SYSTEM/3            | 1 I H |
| >FIXED ASSET ACCTG & CONTROL SYS          |            | 5798-NWA      |   | 161  |      |      |      | 12 GB30-1241 | 5120 SYSTEM         | 1 S H |
| >FIXED ASSET ACCTG & CTL SYS              |            | 5798-NLD      |   | 161  |      |      |      | 12 GB30-1006 | SYSTEM/32           | 1 S H |
| >FIXED ASSET ACCTG/DIR ATT 3741           |            | 5798-NDH      |   | 161  |      |      |      | 12 GB30-0725 | SYSTEM/3            | 1 S H |
| >G/L FOR DIRECTLY ATTACHED 3741           |            | 5798-NDF      |   | 98   |      |      |      | 12 GB30-0719 | SYSTEM/3            | 1 S H |
| >GENERAL LEDGER                           |            | 5721-XB6      |   | 76   |      |      |      | 24 G280-0180 | 5120 SYSTEM         | 1 S C |
| >GENERAL LEDGER DISTR MFG MAPICS          | DFAS II    | 5726-M47      |   | 70   | 53   |      |      | GH30-0221    | SYSTEM/34           | 1 I D |
| >GENERAL LEDGER DISTRIBUTION/MEDIA        | DMS/38     | 5714-D47      |   | 61   | 46   |      |      | GH30-0710    | SYSTEM/38           | 1 I D |

GENERAL BUSINESS APPLICATIONS GBOF-3313 DAPS 1400 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL-<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|------------------|-----------------------------|--------|--------|--------|
| >GENERAL LEDGER DISTRIBUTORS              | DFAS       | 5725-D61    |        | 49         |             |             |             |    | GH30-0314        | SYSTEM/32                   | 1      | I      | C      |
| >GENERAL LEDGER DISTRIBUTORS              | DFAS       | 5726-D6A    |        | 49         |             |             |             |    | GH30-0219        | SYSTEM/34                   | 1      | I      | C      |
| >GENERAL LEDGER MFG                       | MAPICS     | 5714-M47    |        | 61         | 46          |             |             |    | GH30-0710        | SYSTEM/38                   | 1      | I      | D      |
| >GENERAL LEDGER MFG                       | MMAS       | 5725-M37    |        | 49         |             |             |             |    | GH30-0034        | SYSTEM/32                   | 1      | I      | C      |
| >GENERAL LEDGER MGMT INFO MULTI IND       | BUS MGMT   | 5715-XX2    |        | 1025       |             |             |             | 01 | GB30-2733        | SYS/23 DATAMASTER           | 1      | I      | E      |
| GENERAL PURPOSE SIMULATION SYSTEM V DOS   | GPSS V     | 5736-XS3    |        | 63         |             |             |             |    | GH20-0826        | DOS,DOS/V5                  | 1      | I      | C      |
| GENERAL PURPOSE SIMULATION SYSTEM V OS    | GPSS V     | 5734-XS2    |        | 63         |             |             |             |    | GH20-0825        | OS,OS/V5                    | 1      | I      | C      |
| >GENL LEDGER/FINANCIAC ACCTG              |            | 5798-AZE    |        | 68         |             |             |             | 12 | GB21-1159        | SYSTEM/3                    | 1      | I      | H      |
| GOVERNMENT REPORTING & BENEFITS TRACKING  | INTERPERS  | 5746-AM1/02 |        | 208        |             |             |             |    | GH20-2151        | 6080-6081                   | 2      | S      | B      |
| GOVERNMENT REPORTING / TRACKING FEATURE   | INTERPERS  | 5740-AM4/02 |        | 278        |             |             |             |    | GH20-2151        | 6125-6126                   | 2      | S      | B      |
| >GRAPHPAK FULL SCREEN INTERFACE           |            | 5796-PPH    |        | 65         |             |             |             | 12 | G320-6642        | OS/V5,VM,VSAPL              | 1      | S      | H      |
| >HEALTH, WELFARE, AND PENSION FUND (DISK) |            | 5702-N11    |        | 227        |             |             |             |    | GH20-1189        | SYSTEM/3                    | 1      | I      | C      |
| >HEALTH, WELFARE, AND PENSION FUND MOD 6  |            | 5703-N11    |        | 305        |             |             |             |    | GH20-1189        | SYSTEM/3                    | 1      | I      | B      |
| >INFOREM II ALLOCATION                    |            | 5798-DDT    |        | 560        |             |             |             | 24 | GB21-2695        | OS/V5,DOS/V5E               | 1      | S      | H      |
| >INFOREM II ONLINE PROCESSOR              |            | 5798-DET    |        | 640        |             |             |             | 24 | GB21-2695        | OS/V5,DOS/V5E               | 1      | S      | H      |
| INTERACTIVE INSTRUCTIONAL AUTHORIZING     | IIAS       | 5668-011    |        | 373        |             |             |             |    | GH20-2446        | OS/V5,DOS/V5E,VM/CMS        | 2      | S      | B      |
| INTERACTIVE INSTRUCTIONAL PRESENTATION    | IIPS       | 5668-012    |        | 218        |             |             |             |    | GH20-2446        | OS/V5,DOS/V5E,VM/CMS        | 2      | S      | B      |
| INTERACTIVE INSTRUCTIONAL SYSTEM          | IIS        | 5748-XX6/01 |        | 544        |             |             |             |    | GH20-1895        | DOS/V5,OS/V5,VM             | 2      | S      | B      |
| INTERACTIVE PERSONNEL SYSTEM              | INTERPERS  | 5740-AM4/01 |        | 1525       |             |             |             |    | GH20-2151        | IMS/V5,CICS/OS/V5           | 2      | S      | B      |
| INTERACTIVE PERSONNEL SYSTEM              | INTERPERS  | 5746-AM1/01 |        | 1110       |             |             |             |    | GH20-2151        | CICS/DOS/V5                 | 2      | S      | B      |
| INTRODUCTION TO ADRS-II                   |            | 5798-DFC    |        | 105        |             |             |             | 12 | GB21-2780        | IIS,IIPS                    | 1      | L      | H      |
| >INV MGMT PROD REP & ORD VAL EVAL IMPROVE | DMS/38     | 5714-D46    |        | 226        | 169         |             |             |    | GH30-0080        | SYSTEM/38                   | 1      | I      | D      |
| >INVENTORY ACCOUNTING MGMT INFO MULTI IND | BUS MGMT   | 5715-XX6    |        | 1025       |             |             |             | 01 | GB30-2711        | SYS/23 DATAMASTER           | 1      | I      | E      |
| >INVENTORY CONTROL DISTRIBUTION           | DMS/38     | 5714-D43    |        | 106        | 80          |             |             |    | GH30-0130        | SYSTEM/38                   | 1      | I      | D      |
| >INVENTORY CONTROL STOCK STATUS           | DMS        | 5725-D45    |        | 89         |             |             |             |    | GH30-0093        | SYSTEM/32                   | 1      | I      | D      |
| >INVENTORY FOR DIRECT ATT 3741            |            | 5798-NDP    |        | 75         |             |             |             | 12 | GB30-0791        | SYSTEM/3                    | 1      | S      | H      |
| >INVENTORY FORECASTING & REPLENISHMENT II | INFOREM II | 5798-DDR    |        | 625        |             |             |             | 24 | GB21-2695        | OS/V5,DOS/V5E               | 1      | S      | H      |
| >INVENTORY MANAGEMENT MANUFACTURING       | MAPICS     | 5714-M45    |        | 78         | 59          |             |             |    | GH30-0708        | SYSTEM/38                   | 1      | I      | D      |
| >INVENTORY MANAGEMENT MFG                 | MMAS       | 5725-M35    |        | 63         |             |             |             |    | GH30-0032        | SYSTEM/32                   | 1      | I      | C      |
| >INVENTORY MANAGEMENT MFG                 | MAPICS     | 5726-M45    |        | 93         | 70          |             |             |    | GH30-0221        | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY REPORTING                      |            | 5721-XB5    |        | 76         |             |             |             | 24 | G280-0181        | 5120 SYSTEM                 | 1      | S      | C      |
| LEASE VS PURCHASE ANALYSIS                |            | 5798-AJK    |        | 34         |             |             |             | 12 | GB21-0541        | DOS/OS                      | 1      | I      | H      |
| >MATH - APL                               |            | 5721-XM2    |        | 603        |             |             |             | 01 | G580-0040        | 5100 SYSTEM                 | 3      | L      | C      |
| >MATH - BASIC                             |            | 5721-XM1    |        | 603        |             |             |             | 01 | G580-0040        | 5100 SYSTEM                 | 3      | L      | C      |
| >MATH - BASIC PROBLEM SOLVER LIBRARY      |            | 5721-DC6    |        | 603        |             |             |             | 01 | GH30-0395        | 5120 SYSTEM                 | 3      | L      | C      |
| >MEMBERSHIP AND MAILING LIST SYSTEM       | ASSOC.     | 5726-K11    |        | 123        |             |             |             |    | GH30-0454        | SYSTEM/34                   | 1      | I      | C      |
| >MULTILEAVING REMOTE JOB ENTRY            |            | 5796-NTY    | P      | 143        |             |             |             | 12 | GB30-1272        | SERIES/1                    | 1      | S      | H      |
| >ONLINE ACCOUNTS PAYABLE                  |            | 5798-NHG    |        | 201        |             |             |             | 12 | GB30-0844        | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE BICARSA                           |            | 5798-NHF    |        | 454        |             |             |             | 12 | GB30-0842        | SYSTEM/3                    | 1      | I      | H      |
| >ONLINE COMPREHENSIVE PAYROLL             |            | 5798-NHJ    |        | 201        |             |             |             | 12 | GB30-0848        | SYSTEM/3                    | 1      | S      | H      |

GENERAL BUSINESS APPLICATIONS GBOF-3313 DAPS 1400 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >ONLINE GENERAL LEDGER/FINANCIAL          |            | 5798-NHH    |        | 166        |             |             |             | 12 | GB30-0846       | SYSTEM/3                    | 1      | S      | H      |
| ONLINE LIST MAINTENANCE SYS. CICS         |            | 5796-AJH    |        | 450        |             |             |             | 12 | G320-8117       | DOS/VS                      | 1      | S      | H      |
| ONLINE LIST MAINTENANCE SYSTEM            |            | 5796-AGT    |        | 450        |             |             |             | 12 | G320-8117       | DOS/VS                      | 1      | S      | H      |
| ONLINE MEMBERSHIP SYSTEM                  |            | 5798-DGH    |        | 563        |             |             |             | 24 | GB21-2850       | VM/CMS                      | 1      | S      | H      |
| >ONLINE OPEN ITEM A/R S3-M15              |            | 5798-NJF    |        | 258        |             |             |             | 12 | GB30-0897       | SYSTEM/3                    | 1      | I      | H      |
| ONLINE PAYROLL AND PERSONNEL SYSTEM       |            | 5796-AFX    |        | 780        |             |             |             | 12 | G320-8126       | CICS/DOS/VS                 | 1      | S      | H      |
| ONLINE PAYROLL PERSONNEL SYS              |            | 5796-AKH    |        | 1200       |             |             |             | 12 | G320-5757       | CICS/DOS/VS                 | 1      | S      | H      |
| >OPEN ITEM A/R FOR DIR ATT 3741           |            | 5798-NDL    |        | 120        |             |             |             | 12 | GB30-0791       | SYSTEM/3                    | 1      | S      | H      |
| OPEN ITEM ACCOUNTS RECEIVABLE             |            | 5798-CAE    |        | 135        |             |             |             | 12 | GB21-1395       | DOS/VS                      | 1      | I      | H      |
| >ORDER ENTRY AND INVOICING OE&I           | MAPICS     | 5714-M49    |        | 91         | 68          |             |             |    | GH30-0708       | SYSTEM/38                   | 1      | I      | D      |
| >ORDER ENTRY USING DPPX/DMS               |            | 5798-DEZ    |        | 175        |             |             |             | 24 | GB21-2794       | DPPX/DMS, DPPX/DTMS         | 1      | S      | H      |
| >PAYROLL                                  |            | 5721-XB2    |        | 76         |             |             |             | 24 | G280-0179       | 5120 SYSTEM                 | 1      | S      | C      |
| >PAYROLL                                  |            | 5798-NPJ    |        | 92         |             |             |             | 12 | GB30-1117       | 5120 SYSTEM                 | 1      | S      | H      |
| >PAYROLL DISTRIBUTION                     | DMS/38     | 5714-D49    |        | 77         | 58          |             |             |    | GH30-0710       | SYSTEM/38                   | 1      | I      | D      |
| >PAYROLL DISTRIBUTORS                     | DFAS       | 5725-D63    |        | 63         |             |             |             |    | GH30-0302       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL DISTRIBUTORS                     | DFAS       | 5726-D6C    |        | 63         |             |             |             |    | GH30-0219       | SYSTEM/34                   | 1      | I      | C      |
| >PAYROLL DISTRIBUTORS MFG MAPICS          | DFAS II    | 5726-M42    |        | 95         | 71          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >PAYROLL FOR DIRECTLY ATTACH 3741         |            | 5798-NDG    |        | 172        |             |             |             | 12 | GB30-0722       | SYSTEM/3                    | 1      | S      | H      |
| PAYROLL MANAGEMENT SYSTEM                 |            | 5798-CBR    |        | 300        |             |             |             | 12 | GB21-1453       | DOS/VS RPB II               | 1      | I      | H      |
| >PAYROLL MANUFACTURING                    | MAPICS     | 5714-M42    |        | 77         | 58          |             |             |    | GH30-0710       | SYSTEM/38                   | 1      | I      | D      |
| >PAYROLL MFG                              | MMA5       | 5725-M32    |        | 63         |             |             |             |    | GH30-0035       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL MGMT INFO MULTI IND              | BUS MGMT   | 5715-XX5    |        | 1025       |             |             |             | 01 | GB30-2755       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >PAYROLL OVERTIME CALCULATION             |            | 5798-NRT    |        | 218        |             |             |             | 01 | GB30-1217       | SYSTEM/32                   | 0      | S      | H      |
| >PAYROLL W2 FORM                          | RPQ-P82643 | 5799-BFD    |        | 75         |             |             |             | 01 |                 | 5120 SYSTEM                 | 1      | S      | C      |
| >PERSONAL TEACHING AID                    | PTA/34     | 5726-PT1    |        | 600        |             |             |             | 01 |                 | SYSTEM/34                   | 1      | S      | H      |
| PLANNING CONTROL & DECISION EVALUATION    | PLANCODE/I | 5740-XX8    |        | 764        |             |             |             |    | GH19-1103       | CICS/IMS VM TSO             | 2      | S      | B      |
| PLANNING CONTROL & DECISION EVALUATION    | PLANCODE/S | 5740-XX9    |        | 625        |             |             |             |    | GH19-1103       | OS/VS                       | 2      | I      | B      |
| PLANNING CONTROL & DECISION EVALUATION    | PLANCODE/S | 5746-XXA    |        | 625        |             |             |             |    | GH19-1103       | DOS/VS                      | 2      | I      | B      |
| PLANNING CONTROL & DECISION EVALUATION    | PLANCODE/I | 5746-XX9    |        | 764        |             |             |             |    | GH19-1103       | CICS/DOS/VS                 | 2      | S      | B      |
| >POSTBILLING FOR DIR ATTACH 3741          |            | 5798-NDK    |        | 120        |             |             |             | 12 | GB30-0791       | SYSTEM/3                    | 1      | S      | H      |
| >PRESENTATION ENHANCEMENTS USING THE 3800 |            | 5798-DJY    | P      | 120        |             |             |             | 12 | GB21-2965       | OS/VS                       | 1      | S      | H      |
| >PRINT PLOT - APL                         |            | 5721-DC2    |        | 575        |             |             |             | 01 | SA21-9264       | 5100 SYSTEM                 | 3      | L      | C      |
| >PRINT PLOT - APL PROBLEM SOLVER LIBRARY  |            | 5721-DC4    |        | 575        |             |             |             | 01 | GC21-5190       | 5120 SYSTEM                 | 3      | L      | C      |
| >PRINT PLOT - BASIC                       |            | 5721-DC1    |        | 575        |             |             |             | 01 | SA21-9265       | 5100 SYSTEM                 | 3      | L      | C      |
| >PRINT PLOT - PROBLEM SOLVER LIB BASIC    |            | 5721-DC3    |        | 575        |             |             |             | 01 | GC21-5191       | 5120 SYSTEM                 | 3      | L      | C      |
| PURCHASE VS LEASE UNDER PLANCODE          |            | 5798-NRN    |        | 115        |             |             |             | 12 | GB21-2197       | OS/VS, DOS/VS               | 1      | S      | H      |
| >PURCHASING DISTRIBUTION                  | DMS/38     | 5714-D45    |        | 218        | 164         |             |             |    | GH30-0648       | SYSTEM/38                   | 1      | I      | D      |
| >PURCHASING DISTRIBUTORS                  | DMA5 II    | 5726-D46    |        | 197        | 148         |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| QBE TO ADRS II BRIDGE FEATURE             | 6027,6028  | 5796-PLN/02 |        | 52         |             |             |             |    | G320-6097       | 6027-6028                   | 1      | I      | E      |
| >S/A FOR DIRECTLY ATTACHED 3741           |            | 5798-NDN    |        | 69         |             |             |             | 12 | GB30-0791       | SYSTEM/3                    | 1      | S      | H      |

GENERAL BUSINESS APPLICATIONS GBOF-3313 DAPS 1400 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>Y |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >S/1 EDX ENERGY CONSERVATION SYS         |            | 5798-RAB | P      | 149        |             |             |             | 24 | GB30-1450       | SERIES/1                    | 1      | S      | H      |
| >S/1 TELEPHONE LISTING MGMT SYS          |            | 5798-NZZ | P      | 180        |             |             |             | 12 | GB30-1452       | SERIES/1                    | 1      | S      | H      |
| >S/23 DATAMASTER DOW JONES NEWS          |            | 5798-RGQ |        | 275        |             |             |             | 01 | GB30-1684       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/34 FIXED ASSET ACCTG/CTL II           |            | 5798-RJH |        | 2100       |             |             |             | 01 | GB30-1787       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 G/L & FINAN ACCTG SYS              |            | 5798-RFW |        | 150        |             |             |             | 12 | GB30-1673       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 GRAPHING SYSTEM                    |            | 5798-NWQ |        | 69         |             |             |             | 06 | GB30-1315       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE ACCTS PAYABLE               |            | 5798-RFT |        | 175        |             |             |             | 12 | GB30-1670       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE BICARSA                     |            | 5798-RFR |        | 450        |             |             |             | 12 | GB30-1667       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 STRATEGIC PROFIT MODEL             |            | 5798-NZR |        | 287        |             |             |             | 01 | GB30-1424       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 TO 5280 REPORT TRANSFER            |            | 5798-RDB |        | 300        |             |             |             | 01 | GB30-1581       | SYSTEM/34                   | 1      | S      | H      |
| >SALES ANALYSIS DISTRIBUTION             | DMS/38     | 5714-D44 |        | 91         | 68          |             |             |    | GH30-0130       | SYSTEM/38                   | 1      | I      | D      |
| >SALES ANALYSIS MFG                      | MAPICS     | 5714-M48 |        | 77         | 58          |             |             |    | GH30-0708       | SYSTEM/38                   | 1      | I      | D      |
| >SALES ANALYSIS MFG                      | MNAS       | 5725-M38 |        | 63         |             |             |             |    | GH30-0039       | SYSTEM/32                   | 1      | I      | C      |
| >SALES ANALYSIS MFG                      | MAPICS     | 5726-M48 |        | 93         | 70          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >STAT - BASIC PROBLEM SOLVER LIBRARY     |            | 5721-DC7 |        | 603        |             |             |             | 01 | GH30-0396       | 5120 SYSTEM                 | 3      | I      | C      |
| >STATSMAN--ALPHA SEARCH                  |            | 5796-NB2 |        | 86         |             |             |             | 24 | GB30-0638       | SYSTEM/3                    | 1      | S      | H      |
| >SUPERMARKET ENERGY MANAGEMENT           |            | 5796-NQC | P      | 90         |             |             |             | 12 | GB30-1132       | SERIES/1                    | 1      | S      | H      |
| >THREE DIMENSIONAL PRESENTATION GRAPHICS |            | 5798-DGP |        | 145        |             |             |             | 12 | GB21-2867       | VM/CMS, MVS, GDDM           | 1      | S      | H      |
| VEHICLE MAINTENANCE AND COST ANALYSIS    |            | 5798-AAG |        | 132        |             |             |             | 12 | GB21-0019       | DOS                         | 0      | S      | H      |
| VEHICLE SCHEDULING PROGRAM - EXTENDED    | VSPX       | 5734-XM5 |        | 221        |             |             |             |    | GH19-2000       | OS/V5                       | 1      | I      | C      |
| VEHICLE SCHEDULING PROGRAM - EXTENDED    | VSPX       | 5736-XM3 |        | 115        |             |             |             |    | GH19-2000       | DOS, DOS/V5                 | 1      | I      | C      |
| >VISUAL AIDS PREPARATION SYSTEM          |            | 5798-DJ2 |        | 1300       |             |             |             | 01 | GB21-2968       | GDDM/PGF                    | 1      | S      | H      |
| >WORK STATION SEARCH FACILITY            | WSF/34     | 5726-XR1 |        | 458        |             |             |             | 01 | G580-0212       | SYSTEM/34                   | 0      | I      | B      |
| >WORK STATION SEARCH FACILITY FOR S/38   | WSF/38     | 5714-WS1 |        | 690        |             |             |             | 01 | GH30-0458       | SYSTEM/38                   | 1      | S      | D      |
| 2927 DUAL PRINTER UTILITY PROGRAM        |            | 5796-AFK |        | 115        |             |             |             | 12 | G320-8106       | 8K BPS TAPE                 | 1      | S      | H      |
| >5110 ACCOUNTS PAYABLE                   |            | 5798-NPK |        | 86         |             |             |             | 12 | GB30-1119       | 5120 SYSTEM                 | 1      | S      | H      |
| >5110 ACCOUNTS RECEIVABLE                |            | 5798-NPN |        | 86         |             |             |             | 12 | GB30-1151       | 5120 SYSTEM                 | 1      | S      | H      |
| >5110 GENERAL LEDGER                     |            | 5798-NPH |        | 86         |             |             |             | 12 | GB30-1113       | 5120 SYSTEM                 | 1      | S      | H      |
| >5110 INVENTORY REPORTING                |            | 5798-NXK |        | 115        |             |             |             | 12 | GB30-1328       | 5120 SYSTEM                 | 1      | S      | H      |
| 8100 DPPX PAYROLL MANAGEMENT SYSTEM      |            | 5798-DDD |        | 300        |             |             |             | 12 | GB21-2666       | DPPX/BASE                   | 1      | S      | H      |

COMPUTER BASED TRAINING GBOF-3391 DAPS 1401

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL   | ENVIRONMENT          | T I S |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------|----------------------|-------|
|   |            |             |        |            |             |             |             |    | INFO      | OR FEATURE #         | P L Y |
| A RESPONSE EVALUATION SYSTEM              |            | 5796-ANZ    |        | 120        |             |             |             | 12 | GB21-9864 | IIS,IIPS             | 1 S H |
| APL INTERACTIVE TRAINING COURSE           |            | 5796-PJW    |        | 40         |             |             |             | 24 | G320-5812 | 5748-AP1             | 1 S H |
| APPLICATION DEVELOPMENT FACILITY COURSE   | ADF        | 5798-DDW    |        | 125        |             |             |             | 12 | GB21-2712 | IIS,IIPS             | 1 L H |
| >CICS/VS COMMAND LEVEL PROGRAMMING COURSE |            | 5798-DCX    |        | 1290       |             |             |             | 01 | GB21-2628 | IIS,IIPS             | 1 L H |
| CMS FUNDAMENTALS                          | CMS1       | 5798-DBB    |        | 200        |             |             |             | 12 | GB21-2532 | IIS,IIPS             | 1 L H |
| >CMS FUNDAMENTALS II                      |            | 5798-DGJ    | P      | 120        |             |             |             | 12 | GB21-2855 | IIS,IIPS             | 1 L H |
| COBOL INTERACTIVE DEBUG TRAINING          | CID        | 5798-CXK    |        | 160        |             |             |             | 12 | GB21-1930 | IIS,IIPS             | 1 L H |
| >COBOL INTERACTIVE DEBUG TRAINING II      |            | 5798-DFZ    |        | 995        |             |             |             | 01 | GB21-2825 | IIS,IIPS             | 1 L H |
| DL/I ADVANCED PROGRAMMING COURSE          | DLI.AP     | 5798-CFC    |        | 160        |             |             |             | 12 | GB21-1665 | IIS,IIPS             | 1 L H |
| DL/I BASIC PROGRAMMING COURSE             | DLI.BP     | 5798-CBA    |        | 160        |             |             |             | 12 | GB21-1416 | IIS,IIPS             | 1 L H |
| DMS/CICS/VS PROGRAMMING COURSE            | DMS1       | 5798-DAP    |        | 207        |             |             |             | 12 | GB21-2515 | IIS,IIPS             | 1 L H |
| DOCUMENT COMPOSITION TRAINING             | DCF        | 5796-PNE    |        | 100        |             |             |             | 12 | G320-6331 | IIS,IIPS             | 1 L H |
| ELEMENTARY MATHEMATICS                    | MATH       | 5796-APC    |        | 260        |             |             |             | 24 | G320-5804 | IIS,IIPS (NOT IMS)   | 1 L H |
| ENGLISH COMMUNICATIONS SKILLS II          | COMSKL/CAI | 5796-BBT    |        | 385        |             |             |             | 12 | G320-6433 | IIS,IIPS             | 1 L H |
| FUNDAMENTALS OF BANKING COURSE            | FB001      | 5798-DDH    |        | 125        |             |             |             | 12 | GB21-2652 | IIS,IIPS             | 1 L H |
| IIS CICS/DOS/VS FEATURE                   |            | 5748-XX6/02 |        |            |             |             |             |    | GH20-1895 | 6016-6017            | 2 S B |
| IIS CMS FEATURE                           |            | 5748-XX6/05 |        |            |             |             |             |    | GH20-1895 | 6022-6023            | 2 S B |
| IMS DC PROGRAMMING COURSE                 | IMS.DC     | 5798-CGX    |        | 136        |             |             |             | 12 | GB21-1763 | IIS,IIPS             | 1 L H |
| IMS/VS MASTER TERMINAL OPERATOR TRAINING  |            | 5798-DEG    |        | 75         |             |             |             | 12 | GB21-2736 | IIS,IIPS             | 1 L H |
| IMS/VS MESSAGE FORMAT SERVICES TRAINING   |            | 5798-CKY    |        | 242        |             |             |             | 12 | GB21-1933 | IIS,IIPS             | 1 L H |
| INTERACTIVE INSTRUCTIONAL AUTHORIZING     | IIAS       | 5668-011    |        | 373        |             |             |             |    | GH20-2446 | OS/VS,DOS/VSE,VM/CMS | 2 S B |
| INTERACTIVE INSTRUCTIONAL PRESENTATION    | IIPS       | 5668-012    |        | 218        |             |             |             |    | GH20-2446 | OS/VS,DOS/VSE,VM/CMS | 2 S B |
| INTERACTIVE INSTRUCTIONAL SYSTEM          | IIS        | 5748-XX6/01 |        | 544        |             |             |             |    | GH20-1895 | DOS/VS,OS/VS,VM      | 2 S B |
| >INTERFACING APL BASED PRODUCTS COURSE    |            | 5798-DHN    |        | 1190       |             |             |             | 01 | GB21-2914 | IIS,IIPS             | 1 L H |
| INTRODUCING . . . THE COMPUTER            | INTCOM     | 5796-PBX    |        | 180        |             |             |             | 12 | G320-5536 | IIS,IIPS             | 1 L H |
| INTRODUCTION TO ADRS-II                   |            | 5798-DFC    |        | 105        |             |             |             | 12 | GB21-2780 | IIS,IIPS             | 1 L H |
| INTRODUCTION TO TSO                       | TSO1       | 5798-CKT    |        | 256        |             |             |             | 12 | GB21-1924 | IIS,IIPS             | 1 L H |
| >INTRODUCTION TO VSE/ICCF                 |            | 5798-DDX    |        | 55         |             |             |             | 12 | GB21-2709 | IIS,IIPS             | 1 L H |
| >LEARNING TO CODE OS/VS JCL               |            | 5798-DAJ    |        | 95         |             |             |             | 12 | GB21-2508 | IIS,IIPS             | 1 L H |
| OPERATOR TRAINING FOR 3033 AP / MP        |            | 5798-DFA    |        | 105        |             |             |             | 12 | GB21-2769 | IIS,IIPS             | 1 L H |
| PL/I PROGRAMMING TRAINING                 | PLIPRG     | 5798-CRJ    |        | 246        |             |             |             | 12 | GB21-2187 | IIS,IIPS             | 1 L H |
| PROBLEM DETERMINATION FOR MVS OPERATORS   | MVSPD1/-2  | 5798-DEY    |        | 760        |             |             |             | 01 | GB21-2760 | IIS,IIPS             | 1 L H |
| PROGRAMMING IN VS BASIC                   | BASICP     | 5798-DBX    |        | 285        |             |             |             | 12 | GB21-2574 | IIS,IIPS             | 1 L H |
| >S/34 COMPUTER ASSISTED TRAINING          |            | 5798-NPE    |        | 115        |             |             |             | 06 | GB30-1104 | SYSTEM/34            | 1 S H |
| >S/34 COMPUTER ASSISTED TRNG II           |            | 5798-NZA    |        | 130        |             |             |             | 06 | GB30-1481 | SYSTEM/34            | 1 S H |
| STAIRS/VS TRAINING COURSE                 | STAIRS     | 5796-PLF    |        | 250        |             |             |             | 12 | G320-6078 | IIS,IIPS             | 1 L H |
| >USING TSO EFFECTIVELY II                 |            | 5798-DFX    |        | 995        |             |             |             | 01 | GB21-2818 | IIS,IIPS             | 1 L H |
| VSAM AND ACCESS METHOD SERVICES COURSE    | VSAM2      | 5798-DAN    |        | 156        |             |             |             | 12 | GB21-2518 | IIS,IIPS             | 1 L H |
| 3276 / 3278 OPERATOR TRAINING COURSE      | 3270ND     | 5798-CMZ    |        | 168        |             |             |             | 12 | GB21-2290 | IIS,IIPS             | 1 L H |
| >5110/5120 BASIC SELF-STUDY COURSE        |            | 5796-ZAA    |        | 661        |             |             |             | 01 | GB30-1492 | 5120 SYSTEM          | 0 S H |

DATA ENTRY SYSTEMS AND SUPPORT GBOF-3392 DAPS 1402

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L Y |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >CARDFILE FACILITY                       |            | 5798-DJG    | P      | 100        |             |             |             | 12 | GB21-2942       | DPCX                        | 1 S H          |
| >DATA ENTRY AND FILE MAINT MOD 8/10 DISK | DATA/3     | 5702-XX1    |        | 171        |             |             |             |    | SC21-5102       | SYSTEM/3                    | 1 S C          |
| DISPLAY EDITING SYSTEM FOR CMS - DES     | EDGAR      | 5796-PJP    |        | 60         |             |             |             |    | G320-5762       | VM/CMS                      | 1 S E          |
| >DOS VIDEO/370 REVERSE EXTRACT II        |            | 5798-DHD    | P      | 75         |             |             |             | 12 | GB21-2893       | DOS/VSE                     | 1 S H          |
| DOS/VS 3540 DISKETTE UTILITY             |            | 5798-CNZ    |        | 110        |             |             |             | 12 | GB21-2056       | DOS/VS                      | 1 S H          |
| DPPX DATA CAPTURE AND MANAGEMENT SYSTEM  | DCMS       | 5760-XR6    |        | 95         | 71          | 23          | 37          |    | GH20-2421       | DPPX                        | 1 S K          |
| IBM 3741 REPORT GENERATOR                |            | 5796-ARC    |        | 100        |             |             |             | 12 | G320-5823       |                             | 1 S H          |
| >INTELLIGENT DATA ENTRY SYS II           |            | 5798-NXQ    | P      | 109        |             |             |             | 24 | GB30-1352       | SERIES/1                    | 1 S H          |
| >INTELLIGENT DATE ENTRY SYSTEM           |            | 5798-NPY    | P      | 63         |             |             |             | 12 | GB30-1134       | SERIES/1                    | 1 S H          |
| ONLINE PREPARATION OF VIDEO FORMAT       |            | 5798-BAC    |        | 142        |             |             |             | 06 | GB21-1210       | DOS/OS                      | 1 S H          |
| >ORDER ENTRY USING DPPX/DMS              |            | 5798-DEZ    |        | 175        |             |             |             | 24 | GB21-2794       | DPPX/DMS, DPPX/DTMS         | 1 S H          |
| QUERY SYSTEM TEXT ENHANCEMENT FEATURE    |            | 5798-CZE/02 |        | 40         |             |             |             | 12 | GB21-2431       | 6015                        | 1 S H          |
| >REMOTE JOB ENTRY FOR CPS                |            | 5798-NPZ    | P      | 29         |             |             |             | 12 | GB30-1134       | SERIES/1                    | 1 S H          |
| >S/1 DATA CAPTURE/INTER EDIT B/C         |            | 5798-RHP    |        | 150        |             |             |             | 12 | GB30-1708       | SERIES/1                    | 1 S H          |
| >S/1 EDX LAB AUTOMATION                  |            | 5798-RHB    |        | 300        |             |             |             | 12 | GB30-1688       | SERIES/1                    | 1 S H          |
| >S/1 X-RAY SEARCH/MATCH                  |            | 5798-RCG    |        | 460        |             |             |             | 12 | GB30-1381       | SERIES/1                    | 1 S H          |
| VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY |            | 5798-CJG    |        | 140        |             |             |             | 12 | GB21-1843       | DOS/VS VIDEO/370            | 1 S H          |
| VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY |            | 5798-CJP    |        | 140        |             |             |             | 12 | GB21-1843       | OS/VS VIDEO/370             | 1 S H          |
| VIDEO SUPPORT AIDS                       |            | 5796-AKK    |        | 115        |             |             |             | 12 | G320-5668       | DOS/VS CICS/VS              | 1 S H          |
| VIDEO/370 CICS FEATURE DOS               |            | 5736-RC3/02 |        | 61         | 45          | 19          | 31          |    | GC28-8313       | 6038-6040                   | 0 S C          |
| VIDEO/370 CICS FEATURE OS                |            | 5734-RC5/02 |        | 81         |             |             |             |    | GC28-8313       | 6085-6087                   | 1 S C          |
| VIDEO/370 ONLINE STATUS DISPLAY          |            | 5798-CJA    |        | 104        |             |             |             | 12 | GB21-1840       | DOS/VS, OS/VS               | 1 S H          |
| VIDEO/370 VSE/VSAM SUPPORT               |            | 5798-DFK    |        | 85         |             |             |             | 12 | GB21-2800       | 5736-RC3/02 DOS/VSE         | 1 S H          |
| VISUAL DATA ENTRY ONLINE SYSTEM/370      | VIDEO/370  | 5734-RC5/01 |        | 270        |             |             |             |    | GC28-8313       | OS/MFT/MVT/VS               | 1 S C          |
| VISUAL DATA ENTRY ONLINE SYSTEM/370      | VIDEO/370  | 5736-RC3/01 |        | 187        | 139         | 75          | 120         |    | GC28-8313       | DOS, DOS/VS                 | 1 S C          |
| VM DISKETTE COPY                         |            | 5796-PNT    |        | 65         |             |             |             | 12 | G320-6406       | VM/CMS, DISKETTE RDR        | 1 S H          |
| >WATERLOO INTERACTIVE DIR J/E            |            | 5796-NQE    | P      | 166        |             |             |             | 12 | GB30-1138       | SERIES/1                    | 1 S H          |
| 3600 DATA ENTRY                          |            | 5798-CLA    |        | 40         |             |             |             | 12 | GB21-1939       | DOS/VS, OS/VS               | 1 S H          |
| 3741 SORT PROGRAM                        |            | 5798-CHB    |        | 265        |             |             |             | 01 | GB21-1776       | 3741                        | 1 S H          |
| 3760 AUTOMATED DOS/VS JOB SUBMISSION     |            | 5796-ANA    |        | 60         |             |             |             | 12 | G320-6085       | DOS/VS, 5747-BH1            | 1 S H          |
| 3760 BATCH DATA TRANSFER UNDER CICS/VS   |            | 5798-CQB    |        | 175        |             |             |             | 12 | GB21-2112       | EXTM, TCAM, VTAM            | 1 S H          |
| 3760 BATCH TRANSFER INSTALLATION AID     |            | 5798-CYN    |        | 215        |             |             |             | 12 | GB21-2383       | DOS/VS                      | 1 S H          |
| 3790 BASIC KEY TO DISK SYS               |            | 5796-AWF    |        | 45         |             |             |             | 24 | G320-6090       | DOS/VS, OS/VS1              | 1 S H          |
| 8100/DPCX 3790 DISTRIBUTED ENTRY QUERY   |            | 5798-CZE/01 |        | 190        |             |             |             | 12 | GB21-2431       | DOS/VSE OS/VS DOSF          | 1 S H          |



SCIENTIFIC AND ENGINEERING APPLICATIONS GBOF-3393 DAPS 1403

| PROGRAM INFORMATION                          | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| APL ECONOMETRIC PLANNING LANGUAGE            | EPLAN      | 5796-PDW    |        | 224        |             |             |             | 12 | G320-5535       | APLSV                       | 1      | I      | H      |
| APL FORECASTING & TIME SERIES ANALYSIS       |            | 5796-PFX    |        | 382        |             |             |             | 12 | G320-5664       | APLSV,APL/CMS,VSAPL         | 1      | I      | H      |
| APL MULTIVARIATE TIME SERIES ANALYSIS        |            | 5796-PLX    |        | 400        |             |             |             | 12 | G320-6169       | VSAPL                       | 1      | I      | H      |
| APL STATISTICAL LIBRARY                      |            | 5796-PHW    |        | 240        |             |             |             | 12 | G320-5688       | VSAPL                       | 1      | I      | H      |
| APL WORKSPACE STRUCTURE ANALYZER             |            | 5796-PNR    |        | 170        |             |             |             | 12 | G320-6170       | VSAPL                       | 1      | S      | H      |
| >AUTOMATED INSTRUMENT CONTROL                |            | 5798-NVJ    | P      | 15         |             |             |             | 12 | GB30-1381       | SERIES/1                    | 1      | S      | H      |
| >COMPUTER AIDED ENGINEERING DESIGN SYSTEM    | CAEDS (R)  | 5796-BBZ    | T      | 865        |             |             |             |    | G320-6439       | MVS/TSO,VM/CMS              | 1      | S      | E      |
| CONTINUOUS SYSTEM MODELING PROGRAM III       | CSMP III   | 5734-XS9/01 |        | 98         |             |             |             |    | GH19-7000       | VS1/VS2/VM                  | 1      | I      | C      |
| >EDX MATH & FUNCTIONAL SUBROUTINE LIBRARY    |            | 5719-LM3    | R      | 10         |             |             |             |    | GC34-0137       | SERIES/1                    | 1      | S      | C      |
| EVENT DRIVEN EXECUTIVE                       | EDX        | 5796-PGH    |        | 825        |             |             |             | 12 | G320-5677       | OS/MVT,MVS                  | 1      | S      | H      |
| >FINITE ELEMENT ANALYSIS                     | CAEDS (R)  | 5796-AZB    | T      | 1810       |             |             |             |    | G320-6439       | MVS/TSO,VM/CMS              | 1      | S      | E      |
| >FRAME ANALYSIS                              | CAEDS (R)  | 5796-AZA    | T      | 950        |             |             |             |    | G320-6439       | MVS/TSO,VM/CMS              | 1      | S      | E      |
| GENERAL PURPOSE SIMULATION SYSTEM V DOS      | GPSS V     | 5736-XS3    |        | 63         |             |             |             |    | GH20-0824       | DOS,DOS/VS                  | 1      | I      | C      |
| GENERAL PURPOSE SIMULATION SYSTEM V OS       | GPSS V     | 5734-XS2    |        | 63         |             |             |             |    | GH20-0825       | OS,OS/VS                    | 1      | I      | C      |
| GENERAL PURPOSE SIMULATION SYSTEM VSAPL      | GPSS-APL   | 5796-PJG    |        | 90         |             |             |             | 24 | G320-5745       | 5748-AP1                    | 1      | I      | H      |
| GRAPHIC TRAINING AID                         |            | 5796-AVJ    |        | 650        |             |             |             | 12 | G320-6336       | VS1                         | 1      | S      | H      |
| GRAPHICS FEATURE FOR CSMP III                |            | 5734-XS9/02 |        | 385        |             |             |             |    | GH19-7000       | 6065-6067                   | 1      | I      | C      |
| GRAPHS AND HISTOGRAMS IN APL                 |            | 5798-AGL    |        | 83         |             |             |             | 12 | GB21-0414       | APLSV,APL/CMS               | 1      | I      | H      |
| >KINEMATICS                                  | CATIA (R)  | 5796-PQL    |        | 420        | 300         |             |             |    | G320-6650       | OS/VS                       | 1      | S      | E      |
| LIST PROCESSOR 370                           | LISP/370   | 5796-PKL    |        | 1500       |             |             |             | 24 | G320-6061       | OS/VS2, VM/CMS              | 1      | S      | H      |
| >MATH & FUNCTIONAL SUBROUTINE LIBRARY (MFSL) | RPS        | 5719-LM1    | R      | 9          |             |             |             |    | GC34-0138       | SERIES/1                    | 1      | S      | C      |
| >MATH - APL                                  |            | 5721-XM2    |        | 603        |             |             |             | 01 | G580-0040       | 5100 SYSTEM                 | 3      | L      | C      |
| >MATH - BASIC                                |            | 5721-XM1    |        | 603        |             |             |             | 01 | G580-0040       | 5100 SYSTEM                 | 3      | L      | C      |
| >MATH - BASIC PROBLEM SOLVER LIBRARY         |            | 5721-DC6    |        | 603        |             |             |             | 01 | GH30-0395       | 5120 SYSTEM                 | 3      | L      | C      |
| MATH / BASIC                                 |            | 5734-XM8    |        | 55         |             |             |             |    | GH20-1128       | CMS,VSPC                    | 1      | S      | C      |
| >MATHEMATICAL AND FUNCTIONAL SUBROUTINE      | RPS        | 5719-LM2    | R      | 10         |             |             |             |    | GC34-0138       | SERIES/1                    | 1      | S      | C      |
| MATHEMATICAL LINEAR PROGRAMMING EXTENDED     | MPSX       | 5740-XM3/01 |        | 584        |             |             |             |    | GH19-1090       | OS/VS                       | 1      | I      | B      |
| MATHEMATICAL LINEAR PROGRAMMING EXTENDED     | MPSX       | 5746-XM2/01 |        | 509        |             |             |             |    | GH19-1090       | DOS/VS                      | 1      | I      | B      |
| MATRIX GENERATOR REPORT WRITER FOR MPSX      | MGRW       | 5734-XMC    |        | 509        |             |             |             |    | GH19-5012       | OS/MFT/MVT                  | 1      | I      | B      |
| MIXED INTEGER PROGRAMMING FEATURE - MPSX     | MIP        | 5740-XM3/02 |        | 509        |             |             |             |    | GH19-1090       | 6038-6040                   | 1      | I      | B      |
| MIXED INTEGER PROGRAMMING FOR MPSX           | MIP        | 5746-XM2/02 |        | 437        |             |             |             |    | GH19-1090       | 6038-43                     | 1      | I      | B      |
| NUMERICAL GEOMETRY SYSTEM APT-AC BRIDGE      |            | 5785-EAN    |        | 300        |             |             |             | 24 | GB21-2608       | 5785-EAH                    | 1      | S      | H      |
| NUMERICAL GEOMETRY SYSTEM - ADVANCED         |            | 5785-EAJ    |        | 1200       |             |             |             | 24 | GB21-2608       | 5785-EAH                    | 1      | S      | H      |
| NUMERICAL GEOMETRY SYSTEM - BASIC            |            | 5785-EAH    |        | 1400       |             |             |             | 24 | GB21-2608       | MVS                         | 1      | S      | H      |
| PANEL 2 LINE ART PROGRAM                     |            | 5796-PPA    |        | 86         |             |             |             | 24 | G320-6420       | VM/370,OS/VS                | 1      | S      | H      |
| PASCAL/VVS COMPILER                          |            | 5796-PNQ    |        | 188        |             |             |             |    | G320-6387       | VM/CMS OS/VS                | 1      | S      | E      |
| PDQ7 V2                                      |            | 5798-CBT    |        | 2075       |             |             |             | 12 | GB21-1465       | OS/VS,FORTRAN               | 1      | S      | H      |
| PL/I GENERAL PURPOSE SIMULATION SYSTEM       | GPSS       | 5796-PNN    |        | 149        |             |             |             | 24 | G320-6398       | VM/CMS,MVS                  | 1      | S      | H      |
| >POLYHEDRAL SOLID GEOMETRY                   | CATIA (R)  | 5796-PQJ    |        | 420        | 300         |             |             |    | G320-6650       | OS/VS                       | 1      | S      | E      |
| >PRINT PLOT - APL                            |            | 5721-DC2    |        | 575        |             |             |             | 01 | SA21-9264       | 5100 SYSTEM                 | 3      | L      | C      |

SCIENTIFIC AND ENGINEERING APPLICATIONS GBOF-3393 DAPS 1403 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>G | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>Y |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >PRINT PLOT - APL PROBLEM SOLVER LIBRARY |            | 5721-DC4 |        | 575        |             |             |             | 01 | GC21-5190       | 5120 SYSTEM                 | 3      | L      | C      |
| >PRINT PLOT - BASIC                      |            | 5721-DC1 |        | 575        |             |             |             | 01 | SA21-9265       | 5100 SYSTEM                 | 3      | L      | C      |
| >PRINT PLOT - PROBLEM SOLVER LIB BASIC   |            | 5721-DC3 |        | 575        |             |             |             | 01 | GC21-5191       | 5120 SYSTEM                 | 3      | L      | C      |
| • PROCEDURE LIBRARY - MATHEMATICS        |            | 5734-XM3 |        | 102        |             |             |             |    | GH20-0854       | OS                          | 1      | S      | C      |
| SOFTCOPY - A CADAM (R) DRAWING VIEWER    |            | 5796-PNP |        | 293        |             |             |             |    | G320-6388       | MVS-TSO,VM/CMS,32776        | 1      | S      | E      |
| STAIRS/VS MULTIPLE INVERTED KEYS         |            | 5785-DCE |        | 500        |             |             |             | 12 | GB21-2657       | OS/VS                       | 1      | S      | H      |
| >STAT - BASIC PROBLEM SOLVER LIBRARY     |            | 5721-DC7 |        | 603        |             |             |             | 01 | GH30-0396       | 5120 SYSTEM                 | 3      | L      | C      |
| >STATISTICAL PROBLEM SOLVING             |            | 5725-XA1 |        | 94         |             |             |             |    | GH30-0181       | SYSTEM/32                   | 1      | S      | B      |
| STORAGE & INFORMATION RETRIEVAL SYSTEM   | STAIRS/VS  | 5740-XR1 |        | 1020       |             |             |             |    | GH12-5114       | OS/VS1,OS/VS2               | 2      | S      | B      |
| STORAGE & INFORMATION RETRIEVAL SYSTEM   | STAIRS/VS  | 5746-XR4 |        | 834        |             |             |             |    | GH20-1832       | CICS/DOS/VS                 | 2      | S      | B      |
| STORAGE & INFORMATION RETRIEVAL SYSTEM   | STAIRS/CMS | 5785-CAH |        | 250        |             |             |             |    | GB21-2767       | VM/CMS                      | 1      | S      | E      |
| >SUBROUTINE LIBRARY - MATH               | SL-MATH    | 5725-XM1 |        | 94         |             |             |             |    | GH30-0182       | SYSTEM/32                   | 1      | S      | B      |
| SUBROUTINE LIBRARY - MATHEMATICS         | SL-MATH    | 5736-XM7 |        | 110        |             |             |             |    | GH12-5103       | DOS/VS                      | 1      | S      | C      |
| >SURFACE AND NC                          | CATIA (R)  | 5796-PQH |        | 840        | 500         |             |             |    | G320-6650       | OS/VS                       | 1      | S      | E      |
| VSAPL ADVANCED STATISTICS LIBRARY        | STATLIB2   | 5796-PJT |        | 212        |             |             |             | 12 | G320-5811       | VSAPL                       | 1      | I      | H      |
| >WIRE FRAME GEOMETRY                     | CATIA (R)  | 5796-PQG |        | 1420       | 1000        |             |             |    | G320-6650       | OS/VS                       | 1      | S      | E      |
| >X-RAY FLUORESCENCE ANALYSIS             |            | 5798-NYK |        | 150        |             |             |             | 12 | GB30-1381       | SERIES/1                    | 1      | S      | H      |
| >X-RAY POLYCRYSTALLINE DIFFRACT          |            | 5798-NYL |        | 120        |             |             |             | 12 | GB30-1381       | SERIES/1                    | 1      | S      | H      |
| ZEROS AND INTEGRALS IN APL               |            | 5798-AGJ |        | 60         |             |             |             | 12 | GB21-0408       | APLSV,APL/CMS               | 1      | I      | H      |
| 3277 GRAPHICS ATTACHMENT PLOTTER TABLET  |            | 5798-DCE |        | 47         |             |             |             | 12 | GB21-2598       | TSO,VM & 5799-AXX/-M        | 1      | S      | H      |

PROJECT MANAGEMENT GBOF-3394 DAPS 1404

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MD | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| AUTOMATED PROJECT PLANNING & EVALUATION   | APPLES     | 5796-AZR    |        | 80         |             |             |             | 12 | G320-6399       | MVS,DOS/V5,VM/CMS           | 1 S H          |
| >BUSINESS PLANNING SYSTEM                 |            | 5798-NPG    |        | 230        |             |             |             | 12 | GB30-1110       | 5120 SYSTEM                 | 1 S H          |
| >CIPREC EXTENDED FUNCTION PACKAGE         | CIPREC     | 5740-XC3/02 |        | 371        |             |             |             |    | GH19-1150       |                             | 2 S B          |
| >CIPREC EXTENDED FUNCTION PACKAGE         |            | 5746-XC3/02 |        | 316        |             |             |             |    | GH19-1150       |                             | 2 S B          |
| >CONVERSATIONAL PROJECT EVAL & CONTROL    | CIPREC     | 5740-XC3/01 |        | 710        |             |             |             |    | GH19-1150       | 05/V5,VM/CMS                | 2 S B          |
| >CONVERSATIONAL PROJECT EVAL & CONTROL    | CIPREC     | 5746-XC3/01 |        | 604        |             |             |             |    | GH19-1150       | DOS/VSE                     | 2 S B          |
| COST EVALUATION PROCESSOR FEATURE         | PROJACS    | 5740-XP1/03 |        | 72         |             |             |             |    | GH19-1055       | 6006-6008                   | 1 I B          |
| COST EVALUATION PROCESSOR FEATURE         | PROJACS    | 5746-XP1/03 |        | 72         |             |             |             |    | GH19-1055       | 6009-6013,6045              | 1 I B          |
| COST PROCESSOR FEATURE                    | PMS IV     | 5734-XP4/02 |        | 70         |             |             |             |    | GH20-0855       | 6016-6018                   | 0 I B          |
| ENHANCED NETWORK PROCESSOR FEATURE        | PMS IV     | 5734-XP4/04 |        | 132        |             |             |             |    | GH20-0855       | 6088-6090                   | 0 I B          |
| INTERACTIVE PROJACS                       |            | 5785-DAC    |        | 600        |             |             |             | 12 | GB21-2447       | DOS/V5                      | 1 S H          |
| >JOB ANALYSIS SYSTEM (JAS/3) MOD 8/10DISK | CRIT PATH  | 5702-XP1    |        | 124        |             |             |             |    | GH20-1085       | SYSTEM/3                    | 1 S C          |
| MINIPERT                                  |            | 5734-XP3    |        | 165        |             |             |             |    | GH20-4432       | APLSV,APL/CMS               | 1 I C          |
| NETWORK PREPARATION PROCESSOR FEATURE     | PROJACS    | 5740-XP1/04 |        | 72         |             |             |             |    | GH19-1055       | 6009-6011                   | 1 I B          |
| NETWORK PREPARATION PROCESSOR FEATURE     | PROJACS    | 5746-XP1/04 |        | 72         |             |             |             |    | GH19-1055       | 6014-6018,6046              | 1 I B          |
| PMS IV NETWORK PLOTTING PROGRAM           |            | 5796-PDE    |        | 350        |             |             |             | 12 | G320-5531       | 05,05/V5                    | 1 S H          |
| PROJECT ANALYSIS & CONTROL SYSTEM         | PROJACS    | 5746-XP1/01 |        | 292        |             |             |             |    | GH19-1055       | DOS/V5                      | 1 I B          |
| PROJECT ANALYSIS AND CONTROL SYSTEM       | PROJACS    | 5740-XP1/01 |        | 292        |             |             |             |    | GH19-1055       | 05/V5                       | 1 I B          |
| >PROJECT CONTROL SYSTEM                   |            | 5798-NKK    |        | 345        |             |             |             | 12 | GB30-0966       | 5120 SYSTEM                 | 1 S H          |
| PROJECT EVALUATION AND CONTROL SYSTEM     | PEACS      | 5785-EAE    |        | 325        |             |             |             | 24 | G320-6088       | V5-APL (5748-AP1)           | 1 S H          |
| PROJECT MANAGEMENT SYSTEM IV              | PMS IV     | 5734-XP4/01 |        | 71         |             |             |             |    | GH20-0855       | 05/V5                       | 1 I B          |
| RESOURCE ALLOCATION PROCESSOR FEATURE     | PMS IV     | 5734-XP4/03 |        | 285        |             |             |             |    | GH20-0855       | 6019-6021                   | 0 I B          |
| RESOURCE ALLOCATION PROCESSOR FEATURE     | PROJACS    | 5740-XP1/02 |        | 144        |             |             |             |    | GH19-1055       | 6003-6005                   | 1 I B          |
| RESOURCE ALLOCATION PROCESSOR FEATURE     | PROJACS    | 5746-XP1/02 |        | 144        |             |             |             |    | GH19-1055       | 6004-6008,6044              | 1 I B          |

APPLICATION DEVELOPMENT GBOF-3395 DAPS 1405

| PROGRAM INFORMATION                     | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL   | ENVIRONMENT          | T I S |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------|----------------------|-------|
|   |            |             |        |            |             |             |             |    | INFO      | OR FEATURE #         | P L V |
| A PROGRAMMING LANGUAGE - APL            | VSAPL      | 5748-AP1    |        | 305        | 228         | 33          | 52          |    | GH20-9064 | CICS,VSPC,CMS,TSO    | 1 S K |
| >APL DATA INTERFACE II FOR TSO          | APL/DI II  | 5796-PNJ    |        | 250        |             |             |             |    | G320-6415 | TSO                  | 1 S E |
| APPLICATION DEVELOPMENT FACILITY COURSE | ADF        | 5798-DDW    |        | 125        |             |             |             | 12 | GB21-2712 | IIS,IIPS             | 1 L H |
| APPLICATION ENABLING FACILITY           | AEF        | 5798-DBF    |        | 100        |             |             |             |    | GB21-2551 | VM/CMS               | 1 S C |
| >APPLICATION FLOWCHARTER                |            | 5798-NDT    |        | 385        |             |             |             | 01 | GB30-0743 | SYSTEM/3             | 0 S H |
| >APPLICATION FLOWCHARTER                |            | 5798-NLW    |        | 345        |             |             |             | 01 | GB30-1043 | SYSTEM/32            | 0 S H |
| AUTOMATED PROJECT PLANNING & EVALUATION | APPLES     | 5796-AZR    |        | 80         |             |             |             | 12 | G320-6399 | MVS,DOS/V5,VM/CMS    | 1 S H |
| BATCH TERMINAL - TP NETWORK SIMULATOR   | BTS TPNS   | 5798-CXJ    |        | 110        |             |             |             | 12 | GB21-2328 | TPNS BTS IMS/V5      | 1 I H |
| BATCH TERMINAL SIMULATOR II             | BTS II     | 5796-PGT    |        | 230        |             |             |             |    | G320-5686 | IMS/V5 VIR2          | 1 S E |
| >BRADS II GRAPH GENERATOR               | BRADSGRAPH | 5721-DC8    |        | 632        |             |             |             | 01 | GH30-2521 | 5120 SYSTEM          | 1 S C |
| >BRADS II SPREAD SHEET GENERATOR        | BRADS SPRD | 5721-XB7    |        | 58         |             |             |             | 12 | GB30-1412 | 5120 SYSTEM          | 1 S C |
| BUSINESS ANALYSIS / BASIC               |            | 5734-XMB    |        | 60         |             |             |             |    | GH20-1175 | VSPC,CMS             | 1 S C |
| >BUSINESS REPORT APPLICATION DEV SYST   | BRADS III  | 5715-RG2    |        | 1145       |             |             |             | 01 | SB30-2536 | SVS/23 DATAMASTER    | 1 I E |
| CICS/V5 ONLINE PROMPTING FACILITY       |            | 5796-ANQ    |        | 170        |             |             |             | 12 | G320-6158 | CICS/V5              | 1 S H |
| CICS/V5 ONLINE TEST DEBUG II            | QLTD II    | 5796-AHJ    |        | 86         |             |             |             |    | G320-5710 | DOS/V5,OS/V5         | 1 S E |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF  |            | 5798-CXW    |        | 110        |             |             |             | 12 | GB21-2344 | OS/V5,COBOL, SORT    | 1 I H |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF  |            | 5798-CYG    |        | 110        |             |             |             | 12 | GB21-2344 | DOS/V5,COBOL, SORT   | 1 I H |
| COBOL COMPILER & LIBRARY                |            | 5746-CB1    |        | 157        | 117         | 12          | 19          |    | GC28-6473 | DOS/V5               | 1 S K |
| COBOL INTERACTIVE DEBUG                 |            | 5734-CB4    |        | 351        |             |             |             |    | GC28-6454 | TSO/CMS              | 1 S B |
| COBOL LIBRARY ONLY                      |            | 5746-LM4    |        | 29         | 21          | 5           | 8           |    | GC28-6473 | DOS/V5               | 1 S K |
| COBOL MAINTENANCE AID DOS               |            | 5796-AHY    |        | 500        |             |             |             | 01 | G320-8146 | DOS/V5               | 1 I H |
| COBOL MAINTENANCE AID OS                |            | 5796-AHZ    |        | 500        |             |             |             | 01 | G320-8146 | OS/V5                | 1 I H |
| >COBOL SOURCE ANALYZER                  |            | 5798-ALX    |        | 18         |             |             |             | 12 | GB21-0737 | SYSTEM/3             | 1 I H |
| CODE AND GO FORTRAN                     |            | 5734-F01    |        | 302        |             |             |             |    | GC28-6884 | OS/TSO/CMS           | 1 S C |
| CUSTOMER INFORMATION SYSTEM DESIGN SVC  | CIS ADS    | 5712-AAA/01 |        | 2055       |             |             |             | 12 | GE20-0441 |                      | 0 S   |
| CUSTOMER INFORMATION SYSTEM DESIGN SVC  | CIS ADS    | 5712-AAA/02 |        | 363        |             |             |             | 12 | GE20-0441 | 9096                 | 0 S   |
| DATA BASE DESIGN AID VERSION 2          | DBDA       | 5740-XY8    |        | 392        |             |             |             |    | GH20-1626 | OS/V5                | 1 I C |
| DATA BASE DESIGN AID VERSION 2          | DBDA       | 5746-XXQ    |        | 302        |             |             |             |    | GH20-1626 | DOS/V5               | 1 I C |
| DATA BASE STRUCTURE MAPPING / VS        | IMSMAP/V5  | 5796-PCY    |        | 288        |             |             |             | 01 | G320-1538 | OS/V51/VS2,IMS/V5    | 0 S H |
| >DATA BASE TECHNIQUES                   |            | 5798-NKG    |        | 115        |             |             |             | 06 | GB30-0959 | SYSTEM/3             | 1 S H |
| >DATA BASE TECHNIQUES                   |            | 5798-NLA    |        | 104        |             |             |             | 06 | GB30-0995 | SYSTEM/32            | 1 S H |
| >DATA BASE TECHNIQUES                   |            | 5798-NKQ    |        | 138        |             |             |             | 06 | GB30-1170 | SYSTEM/34            | 1 S H |
| DATA DICTIONARY LANGUAGE PREPROCESSOR   |            | 5798-DEQ    |        | 55         |             |             |             | 12 | GB21-2758 | OS/V5,COBOL,PL/I,ASM | 1 S H |
| >DATA DICTIONARY LANGUAGE PREPROCESSOR  |            | 5798-DHG    |        | 735        |             |             |             | 01 | GB21-2902 | DOS/VSE,DL/I         | 1 S H |
| DATA DICTIONARY UTILITIES               |            | 5798-DER    |        | 60         |             |             |             | 12 | GB21-2746 | OS/V5                | 1 S H |
| >DATA DICTIONARY UTILITIES              |            | 5798-DHQ    |        | 650        |             |             |             | 01 | GB21-2920 | DOS/VSE,DL/I         | 1 S H |
| DB/DC DATA DICTIONARY                   |            | 5740-XXF    |        | 805        | 603         | 84          | 134         |    | GH20-9104 | IMS/V5,DL/1,OS/V5    | 2 S K |
| DB/DC DATA DICTIONARY                   |            | 5746-XXC    |        | 366        | 274         | 66          | 105         |    | GH20-9193 | DOS/V5,DL/1,CICS/V5  | 2 S K |
| DBPROTOTYPE II                          |            | 5796-PJK    |        | 180        |             |             |             |    | G320-5754 | IMS/V5 VIR2          | 1 S E |
| DC ANALYZER                             |            | 5796-PCA    |        | 248        |             |             |             | 12 | G320-1532 | OS,OS/V5,IMS/V5      | 1 S H |

APPLICATION DEVELOPMENT GBOF-3395 DAPS 1405 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| DCF FOREGROUND: CMS TSO ATMS III          | SCRIPT/VS  | 5748-XX9/02 |        | 53         |             |             |             |    | GH20-9158       | 6043-4,6072-3,6076-7        | 1      | S      | L      |
| >DEBUGGING AID                            |            | 5796-NPP    | P      | 189        |             |             |             |    | GB30-1098       | SERIES/1                    | 0      | S      | H      |
| DEVELOPMENT MANAGEMENT SYSTEM / CICS      | DMS/CICS   | 5740-XC5/01 |        | 269        | 201         | 40          | 64          |    | GH20-2195       | CICS/VS/OS                  | 1      | S      | K      |
| DEVELOPMENT MANAGEMENT SYSTEM / CICS      | DMS/CICS   | 5746-XC4/01 |        | 139        | 104         | 40          | 64          |    | GH20-2195       | CICS/VS DOS                 | 1      | S      | K      |
| DEVELOPMENT MANAGEMENT SYSTEM / DPCX      | DMS/DPCX   | 5748-XC4    |        | 632        | 474         | 75          | 120         |    | GH20-2423       | TSD,CICS,CMS                | 1      | S      | K      |
| >DISK FILE PROGRAM GENERATOR - 10         |            | 5798-BBH    |        | 69         |             |             |             | 12 | GB21-1261       | SYSTEM/3                    | 1      | I      | H      |
| >DISK RPG II CROSS REF/DOCU AID           |            | 5798-AYL    |        | 161        |             |             |             | 01 | GB21-1107       | SYSTEM/3                    | 0      | I      | H      |
| DISPLAY EDITING SYSTEM FOR CMS - DES      | EDGAR      | 5796-PJP    |        | 60         |             |             |             |    | G320-5762       | VM/CMS                      | 1      | S      | E      |
| DISPLAY MANAGEMENT SYSTEM / CMS           | DMS/CMS    | 5748-XXB    |        | 30         | 22          | 7           | 1           |    | GC24-5197       | VM/BSE/SE/SP                | 1      | S      | K      |
| DISPLAY MANAGEMENT SYSTEM / 3770          | DMS/3770   | 5748-XC3    |        | 275        |             |             |             |    | GH20-2020       | DOS/VS,DS/VS,CMS            | 1      | S      | C      |
| DISPLAY MANAGEMENT SYSTEM / 3790          | DMS/3790   | 5748-XC2/01 |        | 363        |             |             |             |    | GH20-2002       | DOS/VS,OS/VS                | 1      | S      | C      |
| >DISTRIBUTION CONSTRUCTION INFORMATION    | DCIS ADS   | 5712-AAB    |        | 5000       |             |             |             | 12 | GE20-0613       | DOS/OS/IMS/CICS/VS          | 0      | S      |        |
| >DITTO FOR SYSTEM/3 DISK                  |            | 5798-NAJ    |        | 75         |             |             |             | 12 | GB30-0809       | SYSTEM/3                    | 1      | I      | H      |
| >DITTO FOR S3-8,10 W/DIR ATT 3741         |            | 5798-NCJ    |        | 81         |             |             |             | 12 | GB30-0809       | SYSTEM/3                    | 1      | I      | H      |
| DMS/CICS APPLICATION GENERATION FEATURE   |            | 5740-XC5/02 |        | 366        | 274         | 40          | 64          |    | GH20-2195       | 6127-6128                   | 1      | S      | K      |
| DMS/CICS APPLICATION GENERATION FEATURE   |            | 5746-XC4/02 |        | 208        | 156         | 40          | 64          |    | GH20-2195       | 6080-6086                   | 1      | S      | K      |
| >DMS/CICS EXTENDED ACCESS                 |            | 5798-DJH    |        | 650        |             |             |             | 01 | GB21-2944       | DMS/CICS/OS/DOS             | 1      | S      | H      |
| DMS/CICS/VS ONLINE DEBUGGING AID          |            | 5798-DEC    |        | 50         |             |             |             | 12 | GB21-2727       | OS/VS,DOS/VSE               | 1      | S      | H      |
| DMS/CICS/VS PROGRAMMING COURSE            | DMS1       | 5798-DAP    |        | 207        |             |             |             | 12 | GB21-2515       | IIS,IIPS                    | 1      | L      | H      |
| >DMS/DPPX MANAGEMENT AID                  |            | 5798-DPH    |        | 240        |             |             |             | 01 | GB21-2904       | DMS/DPPX                    | 0      | S      | H      |
| DMS/3790 INTERFACE MONITOR                | CIM        | 5748-XC2/02 |        | 242        |             |             |             |    | GH20-2002       | 6032-6034                   | 1      | S      | C      |
| >DOC AID FOR RPG II PROGS/PACKS           |            | 5798-BCW    |        | 58         |             |             |             | 06 | GB21-1312       | SYSTEM/3                    | 0      | I      | H      |
| DOCUMENT COMPOSITION FACILITY - DCF       | SCRIPT/VS  | 5748-XX9/01 |        | 281        |             |             |             |    | GH20-9158       | OS/DOS/VM                   | 1      | S      | L      |
| DOS FORTRAN IV LIBRARY OPTION 1           |            | 5746-LM3    |        | 38         | 28          | 5           | 8           |    | GC28-6882       | DOS                         | 1      | S      | K      |
| DOS PL/I OPTIMIZING COMPILER              |            | 5736-PL1    |        | 235        | 176         | 31          | 50          |    | GC33-0004       | DOS,DOS/VS/VSE,CMS          | 1      | S      | K      |
| DOS PL/I OPTIMIZING COMPILER & LIBRARY    |            | 5736-PL3    |        | 322        | 241         | 41          | 66          |    | GC33-0004       | DOS,DOS/VS/VSE,CMS          | 1      | S      | K      |
| DOS PL/I RESIDENT LIBRARY                 |            | 5736-LM4    |        | 55         | 41          | 5           | 8           |    | GC33-0004       | DOS,DOS/VS/VSE,CMS          | 1      | S      | K      |
| DOS PL/I TRANSIENT LIBRARY RELEASE 6      |            | 5736-LM5    |        | 32         | 24          | 5           | 8           |    | GC33-0004       | DOS,DOS/VS/VSE,CMS          | 1      | S      | K      |
| DOS RPG II                                |            | 5736-RG1/01 |        | 94         |             |             |             |    | GC21-5021       | DOS,DOS/VS                  | 1      | S      | C      |
| DOS RPG II AUTO REPORT FEATURE            |            | 5736-RG1/02 |        | 25         |             |             |             |    | GC21-5052       | 6017-6021,6035-6037         | 1      | S      | C      |
| DOS/VS INTERACTIVE DEBUG FACILITY         |            | 5798-CKF    |        | 90         |             |             |             | 12 | GB21-1897       | DOS/VS                      | 1      | S      | H      |
| >EDX BASIC SUPERV & EMULATOR-VER2         |            | 5798-NRR    | P      | 16         |             |             |             |    | GB30-1212       | SERIES/1                    | 1      | S      | H      |
| >EDX MATH & FUNCTIONAL SUBROUTINE LIBRARY |            | 5719-LM3    | R      | 10         |             |             |             |    | GC34-0137       | SERIES/1                    | 1      | S      | C      |
| >EDX PROGRAM PREP FACILITY                |            | 5798-NRP    | P      | 14         |             |             |             |    | GB30-1212       | SERIES/1                    | 1      | S      | H      |
| >EDX UTILITIES - VERSION 2                |            | 5798-NRQ    | P      | 12         |             |             |             |    | GB30-1212       | SERIES/1                    | 1      | S      | H      |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST  | ELIAS-I    | 5746-XXV    |        | 188        | 141         | 13          | 21          |    | GH19-6218       | DOS/VSE,CICS/VS,DL/I        | 1      | S      | K      |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST  | ELIAS-I/VM | 5748-XXK    |        | 289        | 216         | 25          | 40          |    | GH19-6157       | VM/CMS,CICS/VS,DL/I         | 1      | S      | K      |
| ETSS/II PROGRAMMING AID                   |            | 5798-CYV    |        | 65         |             |             |             | 12 | GB21-2408       | DOS/VS,DOS/VSE              | 1      | I      | H      |
| FORTRAN BDAM PERFORMANCE ENHANCEMENT      |            | 5798-DGA    |        | 50         |             |             |             | 12 | GB21-2853       | 5734-LC3 OS/VS              | 1      | S      | H      |
| FORTRAN H EXTENDED OPTIMIZATION ENHANCED  |            | 5796-PKR    |        | 128        |             |             |             |    | G320-6064       | OS/VS, VM/CMS               | 1      | S      | E      |

APPLICATION DEVELOPMENT GBOF-3395 DAPS 1405 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT                | T I S |
|---|------------|----------|---|------|------|------|------|-----------|----------------------------|-------|
|   |            |          | G | FEE  | FEE  | FEE  | MO   | INFO      | DR FEATURE #               | P L Y |
| FORTRAN INTERACTIVE DEBUG                 |            | 5734-F05 |   | 240  |      |      |      | GC26-3983 | 5734-F01/02/03             | 1 S B |
| FORTRAN UTILITIES FOR VM/CMS              |            | 5798-DFH |   | 200  |      |      | 12   | GB21-2796 | VM/CMS                     | 1 S H |
| HIPODRAW                                  |            | 5796-PFF |   | 200  |      |      | 24   | G320-5546 | DOS/V5,OS/V51              | 1 I H |
| >ICCF LIBRARY SCAN                        |            | 5796-POB |   | 50   |      |      | 12   | G320-6630 | DOS/V5E,ICCF               | 1 S H |
| IMS APPLICATION DEVELOPMENT FACILITY II   | ADF II     | 5796-PHX |   | 632  |      |      |      | G320-5744 | IMS/V5_V1R2                | 1 S E |
| >INTELLIGENT TERMINAL SUBSYSTEM           |            | 5798-NLG |   | 126  |      |      | 12   | GB30-1032 | SERIES/1                   | 1 S H |
| INTERACTIVE COMPUTING CONTROL FACILITY    | ICCF       | 5746-TS1 |   | 97   | 72   | 22   | 35   | GC33-6066 | DOS/V5E                    | 1 S K |
| INTERACTIVE INSTRUCTIONAL AUTHORIZING     | IIAS       | 5668-011 |   | 373  |      |      |      | GH20-2446 | OS/V5 DOS/V5E,VM/CMS 2 S B |       |
| INTERACTIVE INSTRUCTIONAL PRESENTATION    | IIPS       | 5668-012 |   | 218  |      |      |      | GH20-2446 | OS/V5 DOS/V5E,VM/CMS 2 S B |       |
| INTERACTIVE PRODUCTIVITY FACILITY         | IPF        | 5748-MS1 |   | 41   | 30   | 5    | 8    | GH20-2492 | DOS/V5E,VM/SP,SIPOZE       | 1 S K |
| INTERACTIVE QUERY & REPORT PROCESSOR      | IQRP       | 5796-PDG |   | 1360 |      |      | 24   | G320-1544 | OS/V5,VS2                  | 1 S H |
| JOB DOCUMENTATION AND OPERATIONS SETUP    |            | 5796-AYT |   | 80   |      |      | 12   | G320-6340 | DOS/V5E                    | 1 S H |
| >MANYFONT TEXT PROCESSING TYPE FACES      |            | 5796-PPE |   | 120  |      |      | 12   | G320-6634 | VM/CMS,DCF                 | 1 S H |
| >MATH & FUNCTIONAL SUBROUT LIBRARY (MFSL) | RPS        | 5719-LM1 | R | 9    |      |      |      | GC34-0138 | SERIES/1                   | 1 S C |
| MATH / BASIC                              |            | 5734-XM6 |   | 55   |      |      |      | GH20-1128 | CMS,V5PC                   | 1 S C |
| >MATHEMATICAL AND FUNCTIONAL SUBROUTINE   | RPS        | 5719-LM2 | R | 10   |      |      |      | GC34-0138 | SERIES/1                   | 1 S C |
| >MODEL 15D TERMINAL PRINTING SYS          |            | 5798-NTZ |   | 230  |      |      | 06   | GB30-1002 | SYSTEM/3                   | 1 S H |
| >MULT INDEX SUPPORT - DISK FILES          |            | 5798-NQL |   | 69   |      |      | 06   | GB30-1168 | SYSTEM/34                  | 1 S H |
| >MULTIPLE INDEX SUPPORT FOR DISK          |            | 5798-NKJ |   | 69   |      |      | 06   | GB30-0964 | SYSTEM/3                   | 1 S H |
| >NETWORK INTERFACE MODULE                 |            | 5798-DGT |   | 45   |      |      | 12   | GB21-2875 | DOS/V5_ACF/VTAM            | 1 S H |
| >NETWORK INTERFACE MODULE                 |            | 5798-DHR |   | 610  |      |      | 01   | GB21-2922 | DOS/V5E,ACF/VTAM           | 1 S H |
| >OCL DOCUMENTATION & MODIF AID            |            | 5798-NJP |   | 345  |      |      | 01   | GB30-0918 | SYSTEM/3                   | 0 S H |
| >ONLINE DATA FILE DISPLAY PROGRAM         |            | 5798-NRG |   | 287  |      |      | 01   | GB30-0701 | SYSTEM/3                   | 0 S H |
| >ONLINE FILE MAINT PROGRAM WRITER         |            | 5798-NND |   | 75   |      |      | 06   | GB30-1287 | SYSTEM/34                  | 1 S H |
| >ONLINE SCREEN DESIGN FACILITY            |            | 5798-NJK |   | 402  |      |      | 01   | GB30-0745 | SYSTEM/3                   | 0 S H |
| >OS/V5 RPG II COMPILER                    |            | 5740-RG1 | P | 180  | 135  | 10   | 16   | GC33-6120 | OS/V5                      | 1 S K |
| PASCAL/V5 COMPILER                        |            | 5796-PNQ |   | 188  |      |      |      | G320-6387 | VM/CMS OS/V5               | 1 S E |
| >PROCED DOCUMENT/MODIFICATION AID         |            | 5798-NQH |   | 575  |      |      | 01   | GB30-1163 | SYSTEM/32                  | 0 S H |
| >PROGRAM DOCUMENTATION AID                |            | 5796-NXP |   | 345  |      |      | 01   | GB30-1333 | 5120 SYSTEM                | 0 S H |
| PROGRAM FUNCTION KEY SIMULATOR SPF/CMS    |            | 5798-DBK |   | 90   |      |      | 12   | GB21-2556 | VM/CMS,5748XT3             | 1 S H |
| >PXS EXECUTION SUPPORT                    |            | 5796-NTQ | P | 52   |      |      | 12   | GB30-1255 | SERIES/1                   | 1 S H |
| >PXS PREPARATION SUPPORT                  |            | 5796-NTP | P | 52   |      |      | 12   | GB30-1255 | SERIES/1                   | 1 S H |
| QUERY BY EXAMPLE                          | QBE        | 5796-PKT |   | 373  |      |      |      | G320-6062 | VM/CMS                     | 1 S E |
| >RM BASIC                                 |            | 5796-BCX | P | 75   |      |      |      | G320-6658 | VM/CMS                     | 1 S E |
| RPG II ANALYSIS AND DOCUMENTATION AID     |            | 5798-CDL |   | 300  |      |      | 01   | GB21-1566 | DOS/V5                     | 0 I H |
| RPG II COMPILER                           |            | 5746-RG1 |   | 131  | 98   | 5    | 8    | GC33-6120 | DOS/V5                     | 1 I K |
| >RPS SCREEN FORMAT DESIGN AID UTILITY     |            | 5719-SF1 | R | 17   |      |      |      | GC34-0326 | SERIES/1                   | 1 S C |
| >RPS SCREEN FORMAT PRESENTATION SUPPORT   |            | 5719-SF2 | R | 25   |      |      |      | GC34-0326 | SERIES/1                   | 1 S C |
| >S/1 EDX FILE CREATION                    |            | 5798-RBL | P | 46   |      |      | 12   | GB30-1496 | SERIES/1                   | 1 S H |
| >S/1 GENL PURP AUTO EXEC (GPAX)           |            | 5798-RCZ | P | 250  |      |      | 24   | GB30-1565 | SERIES/1                   | 1 S H |

APPLICATION DEVELOPMENT GBOF-3395 DAPS 1405 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P   | I<br>L | S<br>V |   |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------|--------|--------|---|
| >S/1 NATIVE APPL LOAD FAC - VER 2        |            | 5798-RBR    |        | 172        |             |             |             | 12 | GB30-1071       | SERIES/1                    | 1        | S      | H      |   |
| >S/1 PXS VER 3 DEVELOP SUPP              |            | 5796-REE    |        | 85         |             |             |             | 12 | GB30-1600       | SERIES/1                    | 1        | S      | H      |   |
| >S/1 PXS VER 3 OPNS/APPL SUPP            |            | 5796-REF    |        | 85         |             |             |             | 12 | GB30-1600       | SERIES/1                    | 1        | S      | H      |   |
| >S/1 3101 FULL SCREEN CPS                |            | 5798-RFF    | P      | 282        |             |             |             | 01 | GB30-1639       | SERIES/1                    | 1        | S      | H      |   |
| >S/1 3101/3275 DISP MGR SUBSYS           |            | 5798-ZZD    |        | 5750       |             |             |             | 01 |                 | SERIES/1                    | 1        | S      | H      |   |
| >S/3 COBOL DATA BASE TECHNIQUES          |            | 5798-NXC    |        | 190        |             |             |             | 06 | GB30-1472       | SYSTEM/3                    | 1        | S      | H      |   |
| >S/3 DITTO FOR MODEL 15 MODEL D          |            | 5798-NKL    |        | 120        |             |             |             | 12 | GB30-0809       | SYSTEM/3                    | 1        | S      | H      |   |
| >S/34 CENTRAL SITE MAINTENANCE           |            | 5798-RBD    |        | 92         |             |             |             | 06 | GB30-1494       | SYSTEM/34                   | 1        | S      | H      |   |
| >S/34 ONLINE PRINTER SPEC AID            |            | 5798-RFA    |        | 50         |             |             |             | 06 | GB30-1619       | SYSTEM/34                   | 1        | S      | H      |   |
| >S/34 RPG II COMPIL & SPOOL FILE         |            | 5796-RFP    |        | 375        |             |             |             | 01 | GB30-1647       | SYSTEM/34                   | 1        | S      | H      |   |
| >S/370 PROGRAM PREP FOR SERIES/1         |            | 5798-NNQ    | P      | 598        |             |             |             | 12 | GB30-1071       | SERIES/1                    | 1        | S      | H      |   |
| >S/38 SOURCE ARCHIVE                     |            | 5798-RFD    |        | 60         |             |             |             | 06 | GB30-1630       | SYSTEM/38                   | 1        | S      | H      |   |
| SCREEN DEFINITION FACILITY / CICS        | SDF/CICS   | 5740-XYF    |        | 278        | 208         | 44          | 70          |    | GH19-6087       | OS/V5                       | 1        | S      | K      |   |
| SCREEN DEFINITION FACILITY / CICS        | SDF/CICS   | 5746-XXT    |        | 221        | 165         | 44          | 70          |    | GH19-6087       | DOS/VSE                     | 1        | S      | K      |   |
| >SCREEN DESIGN AID                       |            | 5798-NRH    |        | 258        |             |             |             | 01 | GB30-0699       | 5120 SYSTEM                 | 0        | S      | H      |   |
| SOURCE COMPARE AUDIT UTILITY             | SUPER-C    | 5796-PLZ    |        | 100        |             |             |             | 24 | G320-6163       | V51 VM/CMS MVS              | 1        | I      | H      |   |
| SOURCE PROGRAM MAINTENANCE ONLINE II SPM | SPMOL II   | 5798-CFT/01 |        | 172        |             |             |             |    | GB21-1696       | DOS/V5,OS/V5 CICS/V5        | 1        | S      | E      |   |
| SPM II FILE COMPRESSION REPORTING SYSTEM |            | 5796-AYG    |        | 65         |             |             |             | 12 | G320-6332       | DOS/VSE                     | 1        | S      | H      |   |
| SPM II WITH AUDITING AND ARCHIVING       | SPMOL II   | 5798-CFT/02 |        | 53         |             |             |             |    | GB21-1619       | 6005-6006                   | 1        | S      | E      |   |
| SQL / DATA SYSTEM - RELATIONAL STRUCTURE | SQL/DS     | 5748-XXJ    |        | 345        | 258         | 105         | 168         |    | GH24-5012       | DOS/VSE & VSE/VSAM          | 2        | S      | K      |   |
| >SSX/VSE PL/I OPTIMIZER & LIBRARY        |            | 5666-276    |        | 322        | 241         | 41          | 66          |    | GC33-6143       | SSX/VSE                     | 1        | S      | K      |   |
| >SSX/VSE PL/I TRANSIENT LIBRARY          |            | 5666-277    |        | 32         | 24          | 5           | 8           |    | GC33-6143       | SSX/VSE                     | 1        | S      | K      |   |
| >SSX/VSE RPG II COMPILER                 |            | 5666-274    |        | 131        | 98          | 5           | 8           |    | GC33-6143       | SSX/VSE                     | 1        | S      | K      |   |
| STAT / BASIC                             |            | 5734-XA3    |        | 55         |             |             |             |    | GH20-1027       | ITF (DOS/OS/TSO),V5         | 1        | S      | C      |   |
| >STRUCTURED PROGRAM FACILITY MVS/TCAM    |            | 5719-CR2    |        | 265        |             |             |             | 24 | GC34-1637       | SERIES/1                    | 1        | S      | C      |   |
| >STRUCTURED PROGRAM FACILITY MVS/VTAM    |            | 5719-CR1    |        | 265        |             |             |             | 24 | GC34-1636       | SERIES/1                    | 1        | S      | C      |   |
| STRUCTURED PROGRAMMING FACILITY / TSO    | SPF II TSO | 5740-XT8    |        | 589        |             |             |             |    | GH20-1974       | OS/V52, 3270 DISPLAY        | 1        | I      | B      |   |
| STRUCTURED PROGRAMMING MACROS            |            | 5798-CLF    |        | 55         |             |             |             | 12 | GB21-1957       | ASSEMBLERS                  | 1        | S      | H      |   |
| SUBSYSTEM SUPPORT SERVICES               | SSS        | 5747-CC6    |        |            |             |             |             |    | GC30-3022       | DOS/V5                      | 0        | S      | N      |   |
| SYSTEM PRODUCTIVITY FACILITY             | SPF        | 5668-009    |        | 226        | 169         | 36          | 58          |    | GC34-2039       | MVS/TSO,VM/SP               | 1        | S      | K      |   |
| >TELEPROCESSING NETWORK SIMULATOR        | TPNS       | 5662-262    |        | 1450       |             |             |             |    | GH20-2487       | OS/V5                       | 1        | I      | B      |   |
| TELEPROCESSING NETWORK SIMULATOR         | TPNS       | 5740-XT4    |        | 1430       |             |             |             |    | GH20-1907       | OS/V5                       | 1        | I      | B      |   |
| TSO ASSEMBLER PROMPTER                   |            | 5734-CP2    |        | 29         |             |             |             |    | GC33-4038       | TSO                         | 1        | S      | C      |   |
| TSO EXTENDED DISPLAY SESSION MANAGER     | EDS-SM     | 5740-XE2    |        | 278        |             |             |             |    | GC28-0911       | MVS/TSO                     | 1        | S      | B      |   |
| TSO FORTRAN PROMPTER                     |            | 5734-CP3    |        | 32         |             |             |             |    | GC28-6884       | 5734-FQ2                    | 1        | S      | C      |   |
| >VIRT MACH FACIL/370 FOR S/1             |            | 5798-RDR    |        | 720        |             |             |             | 12 | GB30-1590       | SERIES/1                    | 1        | S      | H      |   |
| VIRTUAL SPOOLED READER DISPLAY/CMS       |            | 5796-AYK    |        | 80         |             |             |             | 12 | G320-6338       | VM/CMS                      | 1        | S      | H      |   |
| >VISUAL AIDS PREPARATION SYSTEM          |            | 5798-DJZ    |        | 1300       |             |             |             | 01 | GB21-2968       | GDDM/PGF                    | 1        | S      | H      |   |
| VM/CMS LIBRARY & SPMOL-II SIMULATOR      |            | 5798-CVA    |        | 95         |             |             |             | 12 | GB21-2361       | VM/CMS                      | 1        | S      | H      |   |
| VS APL FOR TSO                           |            | 5796-ALB    |        | 103        |             |             |             | 24 | G320-5708       | OS/V52                      | SYS,OS/M | 1      | S      | H |

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APPLICATION DEVELOPMENT GBOF-3395 DAPS 1405 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT          | T  | I    | S  |
|---|------------|----------|---|------|------|------|------|-----------|----------------------|----|------|----|
|   |            |          | C | FEE  | FEE  | FEE  | FEE  |           |                      | MO | INFO | OR |
| VS FORTRAN COMPILER & LIBRARY             |            | 5748-F03 |   | 212  | 159  | 15   | 24   | GC26-3983 | OS/VS,DOS/VSE,VM/CMS | 1  | S    | K  |
| VS FORTRAN LIBRARY                        |            | 5748-LM3 |   | 63   | 47   | 5    | 8    | GC26-3983 | OS/VS,DOS/VSE,VM/CMS | 1  | S    | K  |
| VS/BASIC                                  | BASIC      | 5748-XX1 |   | 514  | 385  | 16   | 25   | GC28-8302 | TSO / CMS            | 1  | S    | K  |
| VSAM AND ACCESS METHOD SERVICES COURSE    | VSAM2      | 5798-DAN |   | 156  |      |      |      | GB21-2518 | IIS,IIPS             | 1  | L    | H  |
| VSPC FORTRAN                              |            | 5748-F02 |   | 507  | 380  | 38   | 61   | GH20-9061 | DOS/VS,OS/VS1,MVS    | 1  | S    | K  |
| 3270 FORMAT MACRO FOR OUTPUT DATA STREAM  |            | 5798-AKL |   | 27   |      |      |      | GB21-0620 | DOS/OS               | 1  | S    | H  |
| >3650 APPLICATION DEVELOPMENT DEBUG       |            | 5798-DGY |   | 70   |      |      |      | GB21-2883 | OS/VS,DOS/VSE        | 1  | S    | H  |
| >4700 FINANCE SYSTEM - COBOL              |            | 5668-987 |   | 450  | 337  | 69   | 110  | GL23-0078 | OS/VS                | 1  | S    | K  |
| >4700 FINANCE SYSTEM COBOL                |            | 5666-266 |   | 325  | 243  | 56   | 90   | GL23-0078 | DOS/VSE              | 1  | S    | K  |
| >5110/5120 BRADS II SCREEN DESIGN         |            | 5798-NZQ |   | 345  |      |      | 01   | GB30-1464 | 5120 SYSTEM          | 1  | S    | H  |
| >5280 FORMAT DESIGN AID                   |            | 5798-RCR |   | 600  |      |      | 01   | GB30-1548 | 5280 DATA SYSTEM     | 1  | S    | H  |
| >5280 PROGRAMMER'S PROD AID & T/E         |            | 5798-RHC |   | 550  |      |      | 01   | GB30-1702 | 5280 DATA SYSTEM     | 1  | S    | H  |
| >8100 COBOL APPLICATION INTEGRITY MONITOR |            | 5798-DGZ |   | 1000 |      |      | 01   | GB21-2885 | DPPX                 | 1  | S    | H  |



SYSTEMS AND INSTALLATION MANAGEMENT GBOF-3396 DAPS 1406

| PROGRAM INFORMATION                      | SHORT NAME  | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|-------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| ACCOUNT NETWORK MANAGEMENT PROGRAM       | ANMP        | 5798-DAQ    |        | 230        |             |             |             |    | GB21-2521       | CICS/OS/V5                  | 1      | I      | E      |
| ACCOUNT NETWORK MANAGEMENT PROGRAM       | ANMP        | 5798-DAT    |        | 189        |             |             |             |    | GB21-2521       | CICS/DOS/V5                 | 1      | I      | E      |
| ACCOUNT NETWORK MANAGEMENT PROGRAM       | ANMP        | 5798-DBP    |        | 379        |             |             |             |    | GB21-2568       | OS/V5 IMS/V5                | 1      | I      | E      |
| >ACF NETWORK GENERATION AID              |             | 5798-DFP    |        | 950        |             |             |             | 01 | GB21-2809       | OS/V5,DOS/V5E               | 1      | S      | H      |
| >ACF/VTAM BUFFER SELECTION AID           |             | 5798-DHE    |        | 675        |             |             |             | 01 | GB21-2900       |                             | 1      | S      | H      |
| >ATMS III INSTALLATION AID               |             | 5798-DGX    |        | 825        |             |             |             | 01 | GB21-2879       | DOS/V5E                     | 0      | S      | H      |
| AUTOMATED PROJECT PLANNING & EVALUATION  | APPLES      | 5796-AZR    |        | 80         |             |             |             | 12 | G320-6399       | MVS,DOS/V5,VM/CMS           | 1      | S      | H      |
| CAPACITY PLANNING EXTENDED               | CPX         | 5798-CYW    |        | 143        |             |             |             |    | GB21-2391       | OS/V5,5798-CPR              | 1      | I      | E      |
| >CCP SOURCE LIBRARY MAINT SYS            |             | 5798-NDR    |        | 98         |             |             |             | 06 | GB30-0715       | SYSTEM/3                    | 1      | S      | H      |
| CHANGE MANAGEMENT TRACKING               | CMT         | 5740-DC1    |        | 440        |             |             |             |    | GH19-6028       | OS/V5                       | 1      | S      | C      |
| CHANGE TRACKER                           | CT          | 5740-DC4    |        | 165        |             |             |             |    | GH19-6028       | OS/V5                       | 1      | S      | C      |
| CICS PERFORMANCE ANALYSIS REPORTING      | CICSPARS    | 5798-DAB    |        | 69         |             |             |             |    | GB21-2494       | OS/V5,DOS/V5E               | 1      | S      | E      |
| CICS/V5 OPERATIONS SUPPORT PACKAGE       |             | 5798-DBJ    |        | 40         |             |             |             | 12 | GB21-2554       | DOS/V5E,DOS,V5,OS/V5        | 1      | S      | H      |
| CROSS DOMAIN NETWORK DATA TRANSFER       |             | 5798-DAE    |        | 100        |             |             |             | 12 | GB21-2498       | DOS/V5E,DOS/V5,OS/V5        | 1      | S      | H      |
| >DATA ENTRY AND FILE MAINT MOD 8/10 DISK | DATA/3      | 5702-XX1    |        | 171        |             |             |             |    | SC21-5102       | SYSTEM/3                    | 1      | S      | C      |
| DATA PROCESSING ACCOUNTING FOR IMS/V5    | DPA         | 5740-DC2    |        | 385        |             |             |             |    | GH19-6028       | OS/V5                       | 1      | I      | C      |
| DISPLAY MONITOR FOR TPNS                 |             | 5796-AXN    |        | 110        |             |             |             | 12 | G320-6167       | OS/V5,5740-XT4              | 1      | I      | H      |
| >DMS/DPPX MANAGEMENT AID                 |             | 5798-DHH    |        | 240        |             |             |             | 01 | GB21-2904       | DMS/DPPX                    | 0      | S      | H      |
| DOS DATA BASE GUIDE & SPACE ESTIMATES    |             | 5798-DFJ    |        | 35         |             |             |             | 12 | GB21-2798       | DOS/V5,DOS/V5E              | 1      | S      | H      |
| DPPX PERFORMANCE TOOL MONITOR            | PT/DPPX     | 5760-XR5/01 |        | 48         |             |             |             |    | GH20-2155       | DPPX                        | 1      | S      | B      |
| DPPX PERFORMANCE TOOL REPORTER FEATURE   | PT/DPPX     | 5760-XR5/02 |        | 55         |             |             |             |    | GH20-2155       | 6002                        | 1      | S      | B      |
| >DPPX PROBLEM DETERMINATION AID          | PDA         | 5660-272    |        | 25         | 18          | 8           | 13          |    | GC27-0400       | DPPX+NPDA-V2                | 1      | S      | K      |
| >DPPX PROGRAMMED OPERATOR FACILITY       |             | 5660-273    |        | 580        | 435         | 5           | 8           | 01 |                 | DPPX/BASE                   | 1      | S      | K      |
| >EXTENDED TIMER SUPPORT                  |             | 5798-NER    |        | 46         |             |             |             | 06 | GB30-0787       | SYSTEM/3                    | 0      | S      | H      |
| GENERAL PERFORMANCE ANALYSIS REPORTING   | GPAR        | 5798-CPR    |        | 64         |             |             |             |    | GB21-2091       | OS/V5J1, MVS, SVS           | 1      | I      | E      |
| GENERALIZED PERFORMANCE ANALYSIS REPORT  | GPAR/DOS    | 5798-DAA    |        | 46         |             |             |             |    | GB21-2491       | DOS/V5E                     | 1      | S      | E      |
| GENERALIZED TRACE FACILITY ANALYSIS      | GTFPARS     | 5798-CQQ    |        | 72         |             |             |             |    | GB21-2142       | OS/V5, 5798-CPR             | 1      | I      | E      |
| >IBM 8100/DPPX FILE PRINT UTILITY        |             | 5798-DGG    |        | 25         |             |             |             | 12 | GB21-2840       | DPPX                        | 1      | S      | H      |
| IMS AVAILABILITY REPORTS                 |             | 5798-CNN    |        | 225        |             |             |             | 12 | GB21-2030       | OS/V5                       | 1      | I      | H      |
| IMS HISTORY REPORTING SYSTEM             |             | 5798-CLB    |        | 165        |             |             |             | 12 | GB21-1945       | OS/V5                       | 1      | I      | H      |
| IMS LOG TAPE MANAGEMENT SYSTEM           |             | 5796-AHT    |        | 200        |             |             |             | 12 | G320-8141       | OS/V52, IMS/V5IMS           | 1      | S      | H      |
| IMS MONITOR SUMMARY & SYSTEM ANALYSIS II | IMSASAP II  | 5798-CHJ    |        | 117        |             |             |             |    | GB21-1792       | IMS/V5 VIR2                 | 1      | I      | E      |
| IMS SPACE MANAGEMENT UTILITIES II        | SMU II      | 5796-PJJ    |        | 140        |             |             |             |    | G320-5753       | IMS/V5 VIR2                 | 1      | S      | E      |
| IMS TRANSACTION PROFILES PROGRAM         |             | 5796-PGG    |        | 250        |             |             |             | 12 | G320-5667       | IMS/360,IMS/V5              | 1      | I      | H      |
| IMS/V5 MASTER TERMINAL OPERATOR TRAINING |             | 5798-DEG    |        | 75         |             |             |             | 12 | GB21-2736       | IIS, IIPS                   | 1      | L      | H      |
| IMS/V5 VIRTUAL STORAGE ANALYSIS          | IMSVSAP     | 5798-CNC    |        | 60         |             |             |             | 12 | GB21-2002       | OS/V5                       | 1      | S      | H      |
| INCIDENT REPORTING AND TRACKING SYSTEM   |             | 5798-CNP    |        | 125        |             |             |             | 12 | GB21-2047       | DOS/V5                      | 1      | S      | H      |
| INFORMATION / ACCESS - OZS               | INFO/ACCESS | 5735-OZS/04 |        | 270        | 202         | 13          | 35          |    | GC34-2053       | 6051                        | 1      | S      | K      |
| >INFORMATION / LIBRARY                   |             | 5665-277    | P      | 156        | 117         | 12          | 19          |    | GH12-5136       | MVS,NCCF/TSD                | 1      | S      | K      |
| INFORMATION / MANAGEMENT - OZS           | INFO/MGMT   | 5735-OZS/03 |        | 76         | 57          | 5           | 8           |    | GC34-2053       | 6050                        | 1      | S      | K      |

## SYSTEMS AND INSTALLATION MANAGEMENT

GBOF-3396 DAPS 1406 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT          | T I S |
|---|------------|-------------|---|------|------|------|------|-----------|----------------------|-------|
|   |            |             | C | FEE  | FEE  | FEE  | FEE  | INFO      | OR FEATURE #         | P L V |
| INFORMATION / MVS - VSE - VM              | INFO/SYS   | 5735-OZS/02 |   | 221  |      |      |      | GC34-2053 | 6052                 | 1 S C |
| INFORMATION / SYSTEM - OZS                | INFO/SYS   | 5735-OZS/01 |   | 55   | 41   | 7    | 11   | GC34-2053 | MVS,VSE,VM           | 1 S K |
| >INFORMATION / VM - VSE                   | INFO/VMVSE | 5735-OZS/05 |   | 110  |      |      |      | GC34-2069 | 6053                 | 1 S C |
| INSTALLATION MANAGEMENT DOCUMENTATION     |            | 5798-CZM    |   | 90   |      |      |      | GB21-2481 | OS/VS                | 1 I H |
| >JOB ACCOUNTING FOR MODEL 15              |            | 5798-NJQ    |   | 69   |      |      |      | GB30-0920 | SYSTEM/3             | 1 S H |
| >LIBRARY / MVS                            | LIBRARY/MV | 5665-294    | P | 100  | 75   |      |      | GH12-5136 | MVS,NCCF/TSO         | 1 S   |
| MVS HIERARCHICAL STORAGE MANAGER          | HSM        | 5740-XRB    |   | 420  | 315  | 94   | 150  | GH35-0007 | MVS                  | 1 S K |
| MVS SECONDARY OPERATOR FACILITY           |            | 5798-CRE    |   | 80   |      |      |      | GB21-2179 | OS/VS2-MVS           | 1 S H |
| MVS VIRTUAL STORAGE MONITOR               |            | 5798-DEL    |   | 60   |      |      |      | GB21-2721 | MVS,5740-XY4         | 1 S H |
| MVS/SMF PROBLEM PROGRAM ACTIVITY REPORT   |            | 5798-CPP    |   | 80   |      |      |      | GB21-2089 | MVS                  | 1 I H |
| >NCCF TERMINAL ACCESS FACILITY FEATURE    |            | 5735-XX6/02 |   | 68   | 51   | 14   | 22   | GC27-0429 |                      | 2 S K |
| NETWORK COMMUNICATIONS CONTROL FACILITY   | NCCF       | 5735-XX6/01 |   | 111  | 83   | 38   | 61   | GC27-0429 | ACF/VTAM/VTAME/TCAM  | 2 S K |
| NETWORK ERROR MANAGEMENT FACILITY         | NEMF       | 5798-DAW    |   | 112  |      |      |      | GB21-2527 | CICS/VS              | 1 S E |
| NETWORK ERROR MANAGEMENT FACILITY - IMS   | NEMF       | 5798-DBN    |   | 185  |      |      |      | GB21-2566 | OS/VS                | 1 S E |
| NETWORK PERFORMANCE ANALYSIS & REPORTS    | NETPARS    | 5798-CZK    |   | 63   |      |      |      | GB21-2487 | OS/VS,5798CPR        | 1 S E |
| NETWORK PERFORMANCE ANALYZER CONTROLLER   | NPA        | 5798-CZT    |   | 35   |      |      |      | GB21-2478 | 5798-CZR OS/VS       | 1 S E |
| NETWORK PERFORMANCE ANALYZER HOST         | NPA        | 5798-CZR    |   | 126  |      |      |      | GB21-2478 | 5798-CZT OS/VS       | 1 S E |
| >NETWORK PROBLEM DETERMINATION APPLICATON | NPDA-V2    | 5668-983/01 |   | 80   | 60   | 21   | 34   | GC34-2061 | VSE,OS/VS,VM,NCCF    | 1 S K |
| NETWORK PROBLEM DETERMINATION APPLICATON  | NPDA       | 5735-XX8/01 |   | 59   | 44   | 19   | 31   | GC34-2010 | DOS/VSE,OS/VS,NCCF   | 2 S K |
| >O/L SOURCE LIBRARY MAINT SYSTEM          |            | 5798-NKY    |   | 143  |      |      |      | GB30-0979 | SYSTEM/3             | 1 S H |
| >ONLINE JOBS: INITIATION/REVIEW           |            | 5798-NRX    |   | 86   |      |      |      | GB30-1219 | SYSTEM/3             | 1 S H |
| OPERATIONS PLANNING & CONTROL             | OPC        | 5740-XT9    |   | 1390 | 1040 |      |      | GH19-6120 | OS/VS                | 2 I B |
| OPERATOR COMMUNICATIONS CONTROL FACILITY  | OPCF       | 5746-XC5    |   | 116  | 87   | 10   | 16   | GC33-6113 | DOS/VSE              | 1 S K |
| OPERATOR TRAINING FOR 3033 AP / MP        |            | 5798-DFA    |   | 105  |      |      |      | GB21-2769 | IIS,IIPS             | 1 L H |
| OS/VS ONLINE PROBLEM TRACKING             |            | 5798-CNJ    |   | 127  |      |      |      | GB21-2019 | OS/VS                | 1 S H |
| OS/VS1 PERFORMANCE TOOL                   | VS1PT      | 5796-PGL    |   | 345  |      |      |      | G320-5680 | OS/VS1               | 1 S E |
| PERFORMANCE ANALYSIS & REPORTING SYSTEM   | IMSPARS    | 5798-CQP    |   | 143  |      |      |      | GB21-2139 | IMS/VS V1R2,5798-CPR | 1 I E |
| POWER/VS CHARGE-BACK SYSTEM               |            | 5796-AQJ    |   | 100  |      |      |      | G320-5809 | DOS/VS               | 1 S H |
| POWER/VS COST & PERFORMANCE ANALYZER      |            | 5798-CDG    |   | 140  |      |      |      | GB21-1513 | DOS/VS               | 1 S H |
| >PRINT SPOOLING SYSTEM FOR CICS           |            | 5785-DCM    |   | 255  |      |      |      | GB21-2970 | VSE,OS/VS,CICS/VS    | 1 S H |
| >PROGRAM & PANEL DATA SET UTILITY         |            | 5798-DHX    |   | 335  |      |      |      | GB21-2928 | DPCX                 | 0 S H |
| RACF CODES UPDATE SYSTEM                  |            | 5796-PLK    |   | 90   |      |      |      | G320-6093 | MVS ANJ RACF         | 1 S H |
| RACF PRODUCTIVITY AID                     |            | 5798-CYF    |   | 208  |      |      |      | GB21-2370 | MVS RA2F             | 1 S H |
| RESOURCE ACCESS CONTROL FACILITY          | RACF       | 5740-XXH    |   | 728  | 546  | 32   | 51   | GC28-0722 | MVS                  | 2 S K |
| RESOURCE MEASUREMENT FACILITY VERSION 2   | RMF        | 5740-XY4    |   | 380  | 285  | 13   | 21   | GC28-0921 | MVS                  | 1 S K |
| >RESOURCE MEASUREMENT FACILITY VERSION 3  | RMF        | 5665-274    | P | 700  | 525  | 50   | 80   | GC28-1115 | MVS/XXA              | 2 S K |
| ROUTING TABLE GENERATOR FOR ACF NETWORKS  |            | 5798-DFL    |   | 65   |      |      |      | GB21-2805 | OS/VS                | 1 S E |
| >S/34 WORK STATION UTILIZ ANALY           |            | 5796-RDN    |   | 270  |      |      |      | GB30-1598 | SYSTEM/34            | 1 S H |
| SERVICE LEVEL REPORTER                    | SLR        | 5740-DC3    |   | 507  | 380  | 43   | 68   | GH19-6169 | OS/VS                | 1 I K |
| SMF GRAPHICAL ANALYSIS PROGRAM            |            | 5796-AFP    |   | 200  |      |      |      | G320-8127 | VS1,VS2,MFT,MVT      | 1 I H |

SYSTEMS AND INSTALLATION MANAGEMENT GBOF-3396 DAPS 1406 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MLP<br>MO | GENERAL   | ENVIRONMENT       | T I S |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|-----------|-----------|-------------------|-------|
|   |            |             |        |            |             |             |             |           | INFO      | OR FEATURE #      | P L Y |
| SMF JOB DATA COMPRESSION AID              | JDCA       | 5796-PHN    |        | 132        |             |             |             |           | G320-5714 | OS, OS/VS         | 1 I E |
| >SPOOL DISPLAY AND SEARCH FACILITY        | SDSF       | 5798-DGN    | P      | 100        |             |             |             | 12        | GB21-2865 | MVS/JES2          | 1 S H |
| SVS/MVS SYSTEM & JOB IMPACT ANALYSIS      |            | 5796-AJF    |        | 200        |             |             |             | 12        | G320-8149 | OS/VS2            | 0 S H |
| >SYSTEM ERROR MANAGEMENT FACILITY         |            | 5798-DGD    |        | 55         |             |             |             |           | GB21-2834 | DOS/VSE,CICS/VS   | 1 S E |
| >SYSTEM ERROR MANAGEMENT FACILITY         |            | 5798-DGE    |        | 65         |             |             |             |           | GB21-2836 | OS/VS,CICS/VS     | 1 S E |
| >SYSTEM ERROR MANAGEMENT FACILITY         |            | 5798-DGF    | P      | 140        |             |             |             |           | GB21-2838 | IMS/VS            | 1 S E |
| SYSTEM LOG DISPLAY AND SEARCH FACILITY    |            | 5798-DAL    |        | 116        |             |             |             | 12        | GB21-2511 | MVS               | 1 S H |
| SYSTEMS LIBRARY SUBSCRIPTION SVC CONTROL  | SLSS       | 5798-CTE    |        | 68         |             |             |             | 12        | GB21-2222 | OS/VS             | 1 I H |
| TAPE AUTOMATION - PRODUCTION ENVIRONMENT  |            | 5798-DGB    |        | 200        |             |             |             | 12        | GB21-2828 | DOS/VSE           | 1 S H |
| >TAPE LIBRARY CONTROL SYSTEM              |            | 5785-EAW    |        | 650        |             |             |             | 12        | G320-6652 | MVS               | 1 S H |
| >TELEPROCESSING NETWORK SIMULATOR         | TPNS       | 5662-262    |        | 1450       |             |             |             |           | GH20-2487 | OS/VS             | 1 I B |
| TELEPROCESSING NETWORK SIMULATOR          | TPNS       | 5740-XT4    |        | 1430       |             |             |             |           | GH20-1907 | OS/VS             | 1 I B |
| >VIRTUAL COBOL SUBSYSTEM RTM              |            | 5798-NTF    |        | 46         |             |             |             | 12        | GB30-1100 | SERIES/1          | 1 S H |
| VM VIRTUAL TAPE LIBRARIAN                 | VLIB       | 5796-PNZ    |        | 46         |             |             |             | 24        | G320-6421 | VM/CMS PL/I       | 1 S H |
| VM/CMS PERFORMANCE MONITOR ANALYSIS       | VMAP       | 5798-CPX    |        | 184        |             |             |             |           | GB21-2100 | VM/CMS            | 1 S E |
| VM/INTERACTIVE PROBLEM CONTROL SYSTEM     | IPCS       | 5748-SA1    |        | 41         | 30          | 5           | 8           |           | GC34-2019 | VM/CMS            | 1 S K |
| VSE ACCESS CONTROL LOGGING                |            | 5746-XE7    |        | 48         | 36          | 17          | 28          |           | GH12-5130 | DOS/VSE           | 1 S K |
| VSE INTERACTIVE PROBLEM CONTROL           | IPCS       | 5746-SA1    |        | 31         | 23          | 5           | 8           |           | GC34-2017 | DOS/VSE           | 1 S K |
| VSE PERFORMANCE TOOL                      | VSE/PT     | 5796-PLQ    |        | 201        |             |             |             |           | G320-6155 | DOS/VS,DOS/VSE    | 1 S E |
| VSE SYSTEM IPO/E CICS INSTALLATION AID    |            | 5798-DFB    |        | 615        |             |             |             | 01        | GB21-2778 | DOS/VSE CICS ICCF | 0 S H |
| >VTAM PERFORMANCE & ANALYSIS REPORTING II | VTAMPARS   | 5798-DFE    | P      | 140        |             |             |             |           | GB21-2786 | OS/VS,ACF/VTAM    | 1 S E |
| VTAM PERFORMANCE ANALYSIS & REPORTING     | VTAMPARS   | 5798-CTW    |        | 63         |             |             |             |           | GB21-2246 | OS/VS, 5798-CPR   | 1 I E |
| >3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 6008       | 5668-983/02 |        | 138        | 103         | 15          | 24          |           | GC34-2061 |                   | 2 S K |
| 3600 THRESHOLD ANALYSIS / REMOTE ACCESS   | NPDA       | 5735-XX8/02 |        | 138        | 103         | 15          | 24          |           | GC34-2055 | 6030-6031         | 2 S K |
| >8100 DPPX SPOOL OUTPUT TRANSCRIPTION     |            | 5798-DHW    |        | 600        |             |             |             | 01        | GB21-2926 | DPPX              | 1 S H |

AUDITOR AND SECURITY SUPPORT AIDS GBOF-3398 DAPS 1407

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| ALPHA SEARCH INQUIRY - IMS INTERFACE      | ASIS       | 5798-AWB    |        | 670        |             |             |             | 12 | GB21-0987       | OS                          | 1 I H          |
| ALPHA SEARCH INQUIRY SYSTEM               | ASIS       | 5736-N14    |        | 231        |             |             |             |    | GH20-1188       | CICS/OS/DOS/V5,CMS          | 1 S C          |
| AMS CRYPTOGRAPHIC OPTION                  |            | 5740-AMB    |        | 72         | 54          | 5           | 8           |    | GC28-1015       | OS/V51,MVS                  | 1 S K          |
| APL DATA INTERFACE - VERSION II           | APL/DI II  | 5796-PNG    |        | 264        |             |             |             |    | G320-6348       | VM/CMS WITH VSAPL           | 1 S E          |
| >APL DATA INTERFACE II FOR TSO            | APL/DI II  | 5796-PNJ    |        | 250        |             |             |             |    | G320-6415       | TSO                         | 1 S E          |
| APL DATA INTERFACE UNDER VSPC             | APL/DI     | 5796-PKB    |        | 240        |             |             |             | 24 | G320-5758       | VSPC WITH VSAPL             | 1 S H          |
| APL DECISION TABLE PROCESSOR & CODE GEN.  |            | 5796-PJB    |        | 500        |             |             |             | 12 | G320-5738       | APLSV,VSAPL                 | 1 S H          |
| APL STATISTICAL LIBRARY                   |            | 5796-PHW    |        | 240        |             |             |             | 12 | G320-5688       | VSAPL                       | 1 I H          |
| AUDIT FILE COMPARE PROGRAM                |            | 5796-PNF    |        | 100        |             |             |             | 12 | G320-6339       | OS/V5                       | 1 S H          |
| AUDIT SOURCE CODE COMPARE                 |            | 5796-PDF    |        | 90         |             |             |             | 12 | G320-5532       | DOS/V5                      | 1 I H          |
| AUTOMATIC PASSWORD GENERATION FOR TSO     |            | 5796-PFR    |        | 80         |             |             |             | 12 | G320-5653       | OS/V52 (TSO)                | 1 S H          |
| BURROUGHS 2500 TO ANS COBOL CONVERSION    |            | 5798-APH    |        | 2215       |             |             |             | 01 | GB21-0836       | DOS/OS                      | 0 I H          |
| CHANGE MANAGEMENT TRACKING                | CMT        | 5740-DC1    |        | 440        |             |             |             |    | GH19-6028       | OS/V5                       | 1 S C          |
| >CICS/V5 ONLINE DATASET RECOVERY FACILITY |            | 5798-DHL    |        | 670        |             |             |             | 01 | GB21-2911       | CICS/DOS NON-DL/I           | 1 S H          |
| CICS/V5 ONLINE TEST DEBUG II              | OLTD II    | 5796-AHJ    |        | 86         |             |             |             |    | G320-5710       | DOS/V5,OS/V5                | 1 S E          |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF    |            | 5798-CXW    |        | 110        |             |             |             | 12 | GB21-2344       | OS/V5,COBOL, SORT           | 1 I H          |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF    |            | 5798-CYG    |        | 110        |             |             |             | 12 | GB21-2344       | DOS/V5,COBOL, SORT          | 1 I H          |
| >CONTROLLED ACCESS SYSTEM - 1             |            | 5798-NQJ    | P      | 166        |             |             |             | 12 | GB30-1175       | SERIES/1                    | 1 S H          |
| CRYPTOGRAPHIC UNIT SUPPORT                |            | 5740-XY6    |        | 311        | 233         | 25          | 40          |    | GC28-1015       | OS/V5                       | 1 S K          |
| DATA BASE DUMP FOR DL/I                   |            | 5796-AJE    |        | 400        |             |             |             | 01 | G320-8156       | DOS/V5,DL/I                 | 1 S H          |
| DATA BASE EXTRACTING AND RESTRUCTURING    | EXPRESS    | 5796-PLH    |        | 462        |             |             |             |    | G320-6160       | IMS/V5 PL/I                 | 1 S E          |
| DATA BASE STRUCTURE MAPPING / VS          | IMSMAP/V5  | 5796-PCY    |        | 288        |             |             |             | 01 | G320-1538       | OS/V51/V52,IMS/V5           | 0 S H          |
| >DATA DICTIONARY UTILITIES                |            | 5798-DHQ    |        | 650        |             |             |             | 01 | GB21-2920       | DOS/V5E,DL/I                | 1 S H          |
| DATA RETRIEVAL MANIPULATION UTILITY       |            | 5798-DBC    |        | 48         |             |             |             | 12 | GB21-2535       | DOS/V5E,DOS/V5              | 1 I H          |
| DATA-SET MIGRATION AND PLANNING AID       |            | 5798-DCK    |        | 145        |             |             |             | 12 | GB21-2614       | OS/V5                       | 1 S H          |
| DB/DC DATA DICTIONARY                     |            | 5740-XXF    |        | 805        | 603         | 84          | 134         |    | GH20-9104       | IMS/V5,DL/I,OS/V5           | 2 S K          |
| DB/DC DATA DICTIONARY                     |            | 5746-XXC    |        | 366        | 274         | 66          | 105         |    | GH20-9193       | DOS/V5,DL/I,CICS/V5         | 2 S K          |
| DBPROTOTYPE II                            |            | 5796-PJK    |        | 180        |             |             |             |    | G320-5754       | IMS/V5 V1R2                 | 1 S E          |
| DC ANALYZER                               |            | 5796-PCA    |        | 248        |             |             |             | 12 | G320-1532       | OS,OS/V5,IMS/V5             | 1 S H          |
| DEVELOPMENT MANAGEMENT SYSTEM / CICS      | DMS/CICS   | 5740-XC5/01 |        | 269        | 201         | 40          | 64          |    | GH20-2195       | CICS/V5/OS                  | 1 S K          |
| DEVELOPMENT MANAGEMENT SYSTEM / CICS      | DMS/CICS   | 5746-XC4/01 |        | 139        | 104         | 40          | 64          |    | GH20-2195       | CICS/V5 D05                 | 1 S K          |
| DISPLAY MANAGEMENT SYSTEM / CMS           | DMS/CMS    | 5748-XXB    |        | 30         | 22          | 7           | 1           |    | GC24-5197       | VM/BSE/SE/SP                | 1 S K          |
| DISPLAY MANAGEMENT SYSTEM / 3770          | DMS/3770   | 5748-XC3    |        | 275        |             |             |             |    | GH20-2020       | DOS/V5,OS/V5,CMS            | 1 S C          |
| DISPLAY MONITOR FOR TPNS                  |            | 5796-AXN    |        | 110        |             |             |             | 12 | G320-6167       | OS/V5,5740-XT4              | 1 I H          |
| DMS/CICS APPLICATION GENERATION FEATURE   |            | 5740-XC5/02 |        | 366        | 274         | 40          | 64          |    | GH20-2195       | 6127-6128                   | 1 S K          |
| DMS/CICS APPLICATION GENERATION FEATURE   |            | 5746-XC4/02 |        | 208        | 156         | 40          | 64          |    | GH20-2195       | 6080-6086                   | 1 S K          |
| >DMS/CICS EXTENDED ACCESS                 |            | 5798-DJH    |        | 650        |             |             |             | 01 | GB21-2944       | DMS/CICS/OS/DOS             | 1 S H          |
| DOS MAP DL/I                              |            | 5796-PCW    |        | 70         |             |             |             | 12 | G320-8159       | DL/I DOS/V5                 | 0 S H          |
| DPPX COBOL APPLICATION CROSS REFERENCE    |            | 5798-DDJ    |        | 20         |             |             |             | 12 | GB21-2672       | DPPX                        | 1 S H          |
| DPPX DATA CAPTURE AND MANAGEMENT SYSTEM   | DCMS       | 5760-XR6    |        | 95         | 71          | 23          | 37          |    | GH20-2421       | DPPX                        | 1 S K          |

AUDITOR AND SECURITY SUPPORT AIDS GBOF-3398 DAPS 1407 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L Y |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| DPPX DEVELOPMENT MANAGEMENT SYSTEM        | DMS/DPPX   | 5760-XC2    |        | 117        | 87          | 50          | 80          |    | GH20-2154       | DPPX                        | 1 S K          |
| FILE CABINET OPTION                       | FCO        | 5798-CPV/01 |        | 600        |             |             |             | 24 | GB21-2103       | OS/V52, JES2, TCAM          | 1 S H          |
| FILE CABINET OPTION / VTAM                | FCO/VTAM   | 5798-DCG    |        | 637        |             |             |             | 24 | GB21-2604       | MVS JES2, JES3              | 1 S H          |
| FILE CABINET OPTION WIDE SCREEN FEATURE   | FCO        | 5798-CPY/02 |        | 250        |             |             |             | 24 | GB21-2103       | 6013-6014                   | 1 S H          |
| FINANCIAL MANAGEMENT SYSTEM               |            | 5785-NAC    |        | 1750       |             |             |             |    | GB21-2679       | OS/V5, IMS/V5               | 2 S E          |
| GENERAL PURPOSE TAPE AND DISK SCANS       |            | 5796-AGY    |        | 300        |             |             |             | 01 | G320-8166       | DOS/V5                      | 1 S H          |
| IBM 3741 REPORT GENERATOR                 |            | 5796-ARC    |        | 100        |             |             |             | 12 | G320-5823       |                             | 1 S H          |
| > IBM 8100/DPPX FILE PRINT UTILITY        |            | 5798-DGG    |        | 25         |             |             |             | 12 | GB21-2840       | DPPX                        | 1 S H          |
| IMS APPLICATION DEVELOPMENT FACILITY II   | ADF II     | 5796-PHX    |        | 632        |             |             |             |    | G320-5744       | IMS/V5 VIR2                 | 1 S E          |
| IMS MAP                                   | IMSMAP     | 5796-PBC    |        | 363        |             |             |             | 01 | G320-1523       | OS/V5 IMS/V5                | 0 S H          |
| IMS TRANSACTION PROFILES PROGRAM          |            | 5796-PGG    |        | 250        |             |             |             | 12 | G320-5667       | IMS/360, IMS/V5             | 1 I H          |
| IMS 3270 LOCAL COPY FOR ONLINE PRINTING   |            | 5796-AHL    |        | 190        |             |             |             | 12 | G320-8150       | IMS/360, IMS/V5             | 1 S H          |
| IMS/V5 DATA BASE RECOVERY CONTROL FEAT.   |            | 5740-XX2/06 |        | 331        | 248         | 29          | 46          |    | GH35-0010       | 6093-6094                   | 1 S K          |
| IMS/V5 DATA BASE SURVEYOR UTILITY FEAT.   |            | 5740-XX2/05 |        | 97         | 72          | 11          | 18          |    | GH20-9049       | 6098-6099                   | 0 S K          |
| IMS/V5 EMERGENCY LOG TERMINATOR           | ELT        | 5796-ATN    |        | 75         |             |             |             |    | G320-6070       | IMS/V5 VIR2                 | 1 I E          |
| IMS/V5 MESSAGE REQUEUER                   | MQR        | 5796-ATP    |        | 109        |             |             |             |    | G320-6071       | IMS/V5 VIR2                 | 1 I E          |
| IMS/V5 ONLINE DATA MANAGEMENT UTILITY     |            | 5796-AQZ    |        | 170        |             |             |             | 12 | G320-5820       | OS/V5                       | 1 S H          |
| IMS/V5 USER SECURITY                      |            | 5798-CTZ    |        | 150        |             |             |             | 12 | GB21-2252       | OS/V51/SVS, VSAM            | 1 S H          |
| INTERACTIVE QUERY & REPORT PROCESSOR      | IQRP       | 5796-PDG    |        | 1360       |             |             |             | 24 | G320-1544       | OS/V51, VS2                 | 1 S H          |
| JES2 INFORMATION RETRIEVAL SYSTEM - CMS   |            | 5796-AYD    |        | 300        |             |             |             | 12 | G320-6334       | VM/CMS                      | 1 S H          |
| JOB DOCUMENTATION AND OPERATIONS SETUP    |            | 5796-AYT    |        | 80         |             |             |             | 12 | G320-6340       | DOS/VSE                     | 1 S H          |
| MASS STORAGE TABLE MAINTENANCE PROGRAM    | MSSTMP     | 5796-PHY    |        | 197        |             |             |             |    | G320-5742       | V51, VS2                    | 1 I E          |
| NCR CENTURY TO ANS COBOL CONVERSION AID   |            | 5798-APG    |        | 2105       |             |             |             | 01 | GB21-0839       | DOS/OS                      | 0 I H          |
| > ONLINE SECURITY FACILITY                |            | 5798-NJG    |        | 115        |             |             |             | 12 | GB30-0900       | SYSTEM/3                    | 1 S H          |
| PROGRAMMED CRYPTOGRAPHIC FACILITY         |            | 5740-XY5    |        | 347        | 260         | 25          | 40          |    | GC28-0942       | MVS                         | 1 S K          |
| RACF CODES UPDATE SYSTEM                  |            | 5796-PLK    |        | 90         |             |             |             | 12 | G320-6093       | MVS AND RACF                | 1 S H          |
| RACF PRODUCTIVITY AID                     |            | 5798-CYF    |        | 208        |             |             |             | 12 | GB21-2370       | MVS RACF                    | 1 S H          |
| RESOURCE ACCESS CONTROL FACILITY          | RACF       | 5740-XXH    |        | 728        | 546         | 32          | 51          |    | GC28-0722       | MVS                         | 2 S K          |
| RESOURCE MEASUREMENT FACILITY VERSION 2   | RMF        | 5740-XY4    |        | 380        | 285         | 13          | 21          |    | GC28-0921       | MVS                         | 1 S K          |
| > RESOURCE MEASUREMENT FACILITY VERSION 3 | RMF        | 5665-274    | P      | 700        | 525         | 50          | 80          |    | GC28-1115       | MVS/XA                      | 2 S K          |
| S/3 RPG II CONVERSION PREPROCESSOR        |            | 5735-CV1    |        | 660        |             |             |             | 01 | GH20-4532       | S/3, DOS/V5                 | 0 I C          |
| SCREEN DEFINITION FACILITY / CICS         | SDF/CICS   | 5740-XYF    |        | 278        | 208         | 44          | 70          |    | GH19-6087       | OS/V5                       | 1 S K          |
| SCREEN DEFINITION FACILITY / CICS         | SDF/CICS   | 5746-XXT    |        | 221        | 165         | 44          | 70          |    | GH19-6087       | DOS/VSE                     | 1 S K          |
| SOURCE COMPARE AUDIT UTILITY              | SUPER-C    | 5796-PLZ    |        | 100        |             |             |             | 24 | G320-6163       | V51 VM/CMS MVS              | 1 I H          |
| SPM II WITH AUDITING AND ARCHIVING        | SPMOL II   | 5798-CFT/02 |        | 53         |             |             |             |    | GB21-1619       | 6005-6006                   | 1 S E          |
| SYSTEM LOG DISPLAY AND SEARCH FACILITY    |            | 5798-DAL    |        | 116        |             |             |             | 12 | GB21-2511       | MVS                         | 1 S H          |
| > SYSTEM/38 LOG RECOVERY                  | RPQ-P84042 | 5799-BEP    |        | 58         |             |             |             |    | GC21-7913       | SYSTEM/38                   | 1 S D          |
| TEST IMS UTILITIES                        |            | 5796-PBE    |        | 151        |             |             |             | 12 | G320-1523       | OS/IMS                      | 1 S H          |
| TEST IMS/V5 UTILITIES                     |            | 5796-PDA    |        | 100        |             |             |             | 12 | G320-1540       | OS/V51/VS2, IMS/V5          | 1 S H          |
| TREND ANALYSIS                            |            | 5740-F12    |        | 838        |             |             |             |    | GH20-1861       | IMS/V5, OS/V5               | 1 S B          |

AUDITOR AND SECURITY SUPPORT AIDS GBOF-3398 DAPS 1407 (CONT.)

| <u>PROGRAM INFORMATION</u>                     | <u>SHORT NAME</u> | <u>ORDER #</u>  | <u>T</u><br><u>C</u> | <u>LIC</u>  | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u><br><u>INFO</u> | <u>ENVIRONMENT</u><br><u>OR FEATURE #</u> | <u>T I S</u><br><u>P L V</u> |              |
|--|-------------------|-----------------|----------------------|-------------|-------------|-------------|-------------|-------------------------------|---|------------------------------|--------------|
| TSO / IQRP INTERFACE                           |                   | 5796-PHZ        |                      | 300         |             |             |             | 24 G320-5719                  | OS/V52,TSO                                | 1 S H                        |              |
| TSO PROGRAMMING CONTROL FACILITY II            | PCF II            | 5798-CLW        |                      | 40          |             |             |             | GB21-1987                     | MVS                                       | 1 S E                        |              |
| VIRTUAL MACHINE DIRECTORY MAINTENANCE          | DIRMAINT          | 5748-XE4        |                      | 98          | 73          | 23          | 37          | GC20-1836                     | VM/SP/CMS                                 | 1 S K                        |              |
| VIRTUAL MACHINE INTERACTIVE FILE SHARING       | IFS               | 5748-XXC        |                      | 40          | 30          | 12          | 1           | GC24-5195                     | VM/CMS                                    | 1 S K                        |              |
| <u>VIRTUAL MACHINE SYSTEM EXTENSIONS VM/SE</u> | <u>SEPP</u>       | <u>5748-XE1</u> |                      | <u>1345</u> | <u>1005</u> | <u>148</u>  | <u>237</u>  |                               | <u>GC20-1827</u>                          | <u>VM/CMS</u>                | <u>2 S K</u> |
| VIRTUAL STORAGE PERSONAL COMPUTING             | VSPC              | 5740-XR6        |                      | 1265        | 948         | 220         | 352         | GH20-9070                     | MVS                                       | 1 S K                        |              |
| VM BASIC SYSTEM EXTENSIONS VM/BSE              | BSEPP             | 5748-XX8        |                      | 136         | 102         | 33          | 52          | GC20-1828                     | VM  | 2 S K                        |              |
| VM SYSTEM PRODUCT - SP & XEDIT                 | VM/SP             | 5664-167        |                      | 330         | 247         | 50          | 80          | GC20-1838                     | VM/CMS REL 6                              | 2 S K                        |              |
| VSAM CATALOG LIST OS                           |                   | 5796-ALR        |                      | 70          |             |             |             | 12 G320-5716                  | OS/V51,SV5,MVS                            | 1 I H                        |              |
| <u>VSAPL ADVANCED STATISTICS LIBRARY</u>       | <u>STATLIB2</u>   | <u>5796-PJT</u> |                      | <u>212</u>  |             |             |             | <u>12 G320-5811</u>           | <u>VSAPL</u>                              | <u>1 I H</u>                 |              |
| VSE ACCESS CONTROL LOGGING                     |                   | 5746-XE7        |                      | 48          | 36          | 17          | 28          | GH12-5130                     | DOS/VSE                                   | 1 S K                        |              |
| >VSE/ICCF AUTOMATED LIBRARY MANAGER            |                   | 5798-DJR        |                      | 330         |             |             |             | 01 GB21-2956                  | DOS/VSE ICCF                              | 1 S H                        |              |
| >8100 COBOL APPLICATION INTEGRITY MONITOR      |                   | 5798-DGZ        |                      | 1000        |             |             |             | 01 GB21-2885                  | DPX                                       | 1 S H                        |              |

TEXT AND OFFICE SYSTEMS APPLICATIONS G30F-3316 DAPS 1408

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >ADMIN PROCESSING PROGRAM VERSION 2       |            | 5611-SS2    |        | 339        |             |             |             |    | GC23-0728       | 5520 ADMIN. SYSTEM          | 1      | S      | A      |
| >ADMINISTRAT PROCESSING PROG LIC M/R CODE |            | 5611-SS1    |        | 389        |             |             |             |    | GC23-0734       | 5520 ADMIN. SYSTEM          | 1      | S      | A      |
| >ADMINISTRATIVE CONTROL SYSTEM            |            | 5798-NMT    |        | 287        |             |             |             | 12 | GB30-1318       | SYSTEM/34                   | 1      | S      | H      |
| ADVANCED TEXT MANAGEMENT SYSTEM III       | ATMS III   | 5740-XYL/01 |        | 778        |             |             |             |    | GH20-2404       | OS/V5                       | 2      | S      | B      |
| ADVANCED TEXT MANAGEMENT SYSTEM III       | ATMS III   | 5746-XXU/01 |        | 417        |             |             |             |    | GH20-2404       | DOS/V5                      | 2      | S      | B      |
| >ASYNCHRONOUS COMMUNICATION               |            | 5608-SR1    | Q      | 120        |             |             |             |    | G544-0851       | DISPLAYWRITER               | Y      | S      | E      |
| ATMS ARCHIVE TAPE CONTENT LISTER          |            | 5796-AZQ    |        | 85         |             |             |             | 12 | G320-6389       | OS/V5                       | 1      | S      | H      |
| ATMS BATCH BACKUP                         |            | 5798-CJY    |        | 250        |             |             |             | 12 | GB21-1880       | OS/V51,OS/V52               | 1      | S      | H      |
| ATMS II MULTIPLE FONTS FOR THE 3800       |            | 5798-CRH    |        | 175        |             |             |             | 12 | GB21-2184       | OS/V5 CICS/V5               | 1      | S      | H      |
| ATMS III FORMATTER                        |            | 5740-XYL/02 |        | 402        |             |             |             |    | GH20-2404       | 5122-5123                   | 2      | S      | B      |
| ATMS III FORMATTER                        |            | 5746-XXU/02 |        | 402        |             |             |             |    | GH20-2404       | 5040-5041                   | 2      | S      | B      |
| >ATMS III INSTALLATION AID                |            | 5798-DGX    |        | 825        |             |             |             | 01 | GB21-2879       | DOS/VSE                     | 0      | S      | H      |
| >BASIC TEXT EDITOR                        |            | 5798-NPT    |        | 58         |             |             |             | 12 | GB30-1153       | 5120 SYSTEM                 | 1      | S      | H      |
| >BINARY SYNCHRONOUS COMMUNICATION         |            | 5608-SR2    | Q      | 120        |             |             |             |    | G544-0851       | DISPLAYWRITER               | Y      | S      | E      |
| >DATAMASTER WORD AND TEXT PROCESSING      | WP         | 5715-WP1    |        | 500        |             |             |             | 01 | GC34-0417       | SYS/23 DATAMASTER           | 1      | I      | E      |
| DCF FOREGROUND: CMS TSO ATMS III          | SCRIPT/V5  | 5748-XX9/02 |        | 53         |             |             |             |    | GH20-9158       | 6043-4,6072-3,6076-7        | 1      | S      | L      |
| DIRECT DOCUMENT VIEWING FACILITY          | DISOSS     | 5740-XYK/02 |        | 35         |             |             |             |    | GH12-5124       | 6119-6121                   | 2      | S      | B      |
| DIRECT DOCUMENT VIEWING FACILITY          | DISOSS     | 5740-XY9/02 |        | 278        |             |             |             |    | GH12-5124       | 6107-6108                   | 2      | S      | B      |
| DISTRIBUTED DATA TRANSFER - CONTROLLER    |            | 5798-DCF    |        | 20         |             |             |             | 12 | GB21-2594       | DPCX, 3790, 5798-DCA        | 1      | S      | H      |
| DISTRIBUTED DATA TRANSFER - HOST          |            | 5798-DCA    |        | 100        |             |             |             | 12 | GB21-2594       | OS/V5, DOS, 5798-DCF        | 1      | S      | H      |
| DISTRIBUTED OFFICE SUPPORT - REMOTE       | DISOSS     | 5740-XYK/01 |        | 103        |             |             |             |    | GH12-5124       | 3730, 8100/DOSF             | 2      | S      | B      |
| DISTRIBUTED OFFICE SUPPORT / 370 REL 1    | DISOSS/VSE | 5666-264    |        | 906        | 679         | 160         | 256         |    | GH12-5137       | DOS/VSE                     | 2      | S      | K      |
| DISTRIBUTED OFFICE SUPPORT / 370 VER 2    | DISOSS/370 | 5668-982    |        | 975        | 731         | 185         | 296         |    | GH12-5139       | OS/V5                       | 2      | S      | K      |
| DISTRIBUTED OFFICE SUPPORT / 8100 / DOSF  | DISOSS     | 5661-172    |        | 164        | 123         | 32          | 51          |    | GH12-5139       | DPCX AND DOSF               | 2      | S      | K      |
| DISTRIBUTED OFFICE SUPPORT FACILITY       | DOSF       | 5761-XR1    |        | 570        | 427         | 84          | 134         |    | GC27-0546       | DPCX                        | 1      | S      | K      |
| DISTRIBUTED OFFICE SYSTEM - HOST          | DISOSS     | 5740-XY9/01 |        | 1145       |             |             |             |    | GH12-5124       | OS/V5                       | 2      | S      | B      |
| DOCUMENT COMPOSITION FACILITY - DCF       | SCRIPT/V5  | 5748-XX9/01 |        | 281        |             |             |             |    | GH20-9158       | OS/DOS/V5M                  | 1      | S      | L      |
| DOCUMENT COMPOSITION FACILITY FOR 6670    | DCF/6670   | 5798-DBR    |        | 56         |             |             |             | 12 | GB21-2563       | V5/CHS MVS                  | 1      | S      | H      |
| DOCUMENT COMPOSITION TRAINING             | DCF        | 5796-PNE    |        | 100        |             |             |             | 12 | G320-6331       | IIS, IIPS                   | 1      | L      | H      |
| DOCUMENT INTERCHANGE - DISTRIBUTED        | DIF        | 5668-004    |        | 40         |             |             |             |    | GC27-0546       | DOSF/8100, 3730             | 1      | S      | B      |
| DOCUMENT INTERCHANGE FACILITY - CENTRAL   | DIF        | 5668-003    |        | 373        |             |             |             |    | GH20-2440       | OS/V5, DOS/VSE, DLF         | 1      | S      | B      |
| DOCUMENT LIBRARY FACILITY                 | DLF        | 5748-XXE    |        | 121        |             |             |             |    | GH20-9163       | DOS/V5, OS/V51, MVS         | 1      | S      | L      |
| >FILE CONVERSION FOR WORD PROCESSORS      |            | 5798-DFY    |        | 835        |             |             |             | 01 | GB21-2821       | OS/V5, DOS/VSE              | 0      | S      | H      |
| >HOST DOCUMENT VIEW FACILITY              |            | 5796-BCL    | P      | 180        |             |             |             | 24 | G320-6660       | MVS, DISOSS, IMS, CICS      | 1      | S      | H      |
| HOST PRINT FACILITY                       | DISOSS     | 5740-XY9/04 |        | 139        |             |             |             |    | GH12-5124       | 6113-6114                   | 2      | S      | B      |
| INTEGRATED PROCESSING OF DATA AND TEXT    | IPDT       | 5785-DCT    |        | 750        |             |             |             | 24 | GB21-2755       | OS/V5, IMS, DCF, DLF        | 1      | S      | H      |
| >INTEGRATED PROCESSING OF DATA AND TEXT   | IPDT       | 5785-DCX    |        | 370        |             |             |             |    | GB21-2946       | CICS/OS/V5                  | 1      | S      | H      |
| >INTEGRATED PROCESSING OF DATA AND TEXT   |            | 5785-DDD    |        | 260        |             |             |             |    | GB21-2946       | CICS/DOS/V5                 | 1      | S      | H      |
| >INTERACTIVE DISPLAY TEXT FACILITY        | IDTF       | 5668-956    |        | 80         | 60          |             |             |    | GC33-0137       | DOSF, DPCX                  | 1      | S      | E      |
| >LANGUAGEPACK                             |            | 5608-SR4    | Q      | 180        |             |             |             |    | G544-0851       | DISPLAYWRITER               | Y      | S      | E      |

TEXT AND OFFICE SYSTEMS APPLICATIONS

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(CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT        | T I S        |
|---|------------|-------------|---|------|------|------|------|-----------|--------------------|--------------|
|   |            |             | C | FEE  | FEE  | FEE  | MO   |           | INFO               | DR FEATURE # |
| >LANGUAGEPACK 2                           |            | 5608-SR7    | Q | 240  |      |      |      | G544-0851 | DISPLAYWRITER      | Y S E        |
| >LETTER WRITER APPLICATION                |            | 5725-XX2    |   | 43   |      |      |      | GH30-0309 | SYSTEM/32          | 1 S C        |
| >MAGNETIC CARD CONVERSION                 |            | 5608-SR3    | Q | 180  |      |      |      | G544-0851 | DISPLAYWRITER      | Y S E        |
| >MANYFONT TEXT PROCESSING TYPE FACES      |            | 5796-PPE    |   | 120  |      |      | 12   | G320-6634 | VM/CMS,DCF         | 1 S H        |
| >ONLINE ADMINISTRATIVE CONTROL            |            | 5796-NJJ    |   | 258  |      |      | 12   | GB30-0914 | SYSTEM/3           | 1 S H        |
| PROFESSIONAL OFFICE SYSTEM - PROFS        | RPQ-P09033 | 5799-BEX    |   | 402  |      |      |      | GH24-2493 | VM/CMS             | 1 S E        |
| QUERY SYSTEM TEXT ENHANCEMENT FEATURE     |            | 5798-CZE/02 |   | 40   |      |      | 12   | GB21-2431 | 6015               | 1 S H        |
| >REPORTPACK                               |            | 5608-SR5    | Q | 180  |      |      |      | G544-0851 | DISPLAYWRITER      | Y S E        |
| >S/1 TEXT ENTRY & EDIT FACILITY           |            | 5798-RAR    | P | 276  |      |      | 12   | GB30-1470 | SERIES/1           | 1 S H        |
| >S/1 TEXT ROUTING SYSTEM                  |            | 5798-NZG    |   | 373  |      |      | 24   | GB30-1435 | SERIES/1           | 1 S H        |
| >S/23 COMPUTERIZED FILLING SYSTEM         |            | 5798-RHD    |   | 1440 |      |      | 01   | GB30-1695 | SVS/23 DATAMASTER  | 1 I H        |
| >S/34 CALENDAR MANAGEMENT SYSTEM          |            | 5798-NZB    |   | 316  |      |      | 12   | GB30-1401 | SYSTEM/34          | 1 S H        |
| >S/34 REMOTE DOC DISTRIB W/ 5520          |            | 5798-RHK    |   | 250  |      |      | 06   | GB30-1721 | SYSTEM/34          | 1 S H        |
| >SERIES/1 LETTER WRITER-V1 RPS            | RPQ-P82630 | 5799-TEH    | R | 80   |      |      | 12   | GH30-0711 | SERIES/1           | 1 S E        |
| >SERIES/1 LETTER WRITER-V2 RPS            | RPQ-P82667 | 5799-TEY    | R | 100  |      |      | 12   |           | SERIES/1           | 1 S E        |
| STAIRS INPUT FORMATTER                    | DISOSS     | 5740-XY9/03 |   | 208  |      |      |      | GH12-5124 | 6109-6110          | 2 S B        |
| STAIRS TO ATMS TRANSFER EXTENDED          |            | 5798-DEE    |   | 105  |      |      | 12   | GB21-2731 | CICS/OS-DOS/V5     | 1 S H        |
| STAIRS/V5 MULTIPLE INVERTED KEYS          |            | 5785-DCE    |   | 500  |      |      | 12   | GB21-2657 | OS/V5              | 1 S H        |
| STAIRS/V5 THESAURUS GENERATOR - TLS       | RPQ-P71045 | 5799-AQL    |   | 175  |      |      |      | GH20-1908 | OS/V51,OS/V52      | 1 S C        |
| STAIRS/V5 THESAURUS RETRIEVAL - TLS       | RPQ-P71044 | 5799-AQK    |   | 417  |      |      |      | GH20-1908 | V51,V52,STAIRS/V5  | 1 S B        |
| STAIRS/V5 TRAINING COURSE                 |            | 5796-PLF    |   | 250  |      |      | 12   | G320-6078 | IIS,IJPS           | 1 L H        |
| STORAGE & INFORMATION RETRIEVAL SYSTEM    | STAIRS/V5  | 5740-XR1    |   | 1020 |      |      |      | GH12-5114 | OS/V51,OS/V52      | 2 S B        |
| STORAGE & INFORMATION RETRIEVAL SYSTEM    | STAIRS/V5  | 5746-XR4    |   | 834  |      |      |      | GH20-1832 | CICS/DOS/V5        | 2 S B        |
| STORAGE & INFORMATION RETRIEVAL SYSTEM    | STAIRS/CMS | 5785-CAH    |   | 250  |      |      |      | GB21-2767 | VM/CMS             | 1 S E        |
| >TEXT EDITOR                              | RPQ-P84046 | 5799-BFP    |   | 1150 |      |      | 01   | GH30-0245 | SYSTEM/34          | 1 S E        |
| >TEXT MANAGEMENT                          | RPQ-P84087 | 5799-BF2    |   | 50   |      |      |      | GC21-7925 | SYSTEM/38          | 1 S A        |
| >TEXTPACK 1                               |            | 5608-TR1    | Q | 180  |      |      |      | G544-0851 | DISPLAYWRITER      | Y S E        |
| >TEXTPACK 2                               |            | 5608-TR2    | Q | 192  |      |      |      | G544-0851 | DISPLAYWRITER      | Y S E        |
| >TEXTPACK 3                               |            | 5608-TR3    | Q | 300  |      |      |      | G544-0851 | DISPLAYWRITER      | Y S E        |
| >TEXTPACK 4                               |            | 5608-TR3    | Q | 336  |      |      |      | G544-0851 | DISPLAYWRITER      | Y S E        |
| VM SYSTEM PRODUCT - SP & XEDIT            | VM/SP      | 5664-167    |   | 330  | 247  | 50   | 80   | GC20-1838 | VM/CMS REL 6       | 2 S K        |
| >WORD PROCESSOR/32                        | WP/32      | 5725-XX1    |   | 274  |      |      |      | GH30-0103 | SYSTEM/32          | 1 S A        |
| >3270 COMPATIBILITY                       |            | 5608-SR6    | Q | 300  |      |      |      | G544-0851 | DISPLAYWRITER      | Y S E        |
| 3730 DISTRIBUTED OFFICE SUPPORT FOR 6670  |            | 5798-DCH    |   | 125  |      |      | 12   | GB21-2651 | CICS/OS/V5         | 1 S H        |
| 3790 BASIC KEY TO DISK SYS                |            | 5796-AWF    |   | 45   |      |      | 24   | G320-6090 | DOS/V51, OS/V51    | 1 S H        |
| >5110/5120 ADMIN CONTROL SYSTEM           |            | 5798-NYF    |   | 115  |      |      | 12   | GB30-1376 | 5120 SYSTEM        | 1 S H        |
| >8100 AUTOMATED ADMINISTRATION ACTIVITIES |            | 5798-DHB    |   | 940  |      |      | 01   | GB21-2889 | DPCX               | 1 S H        |
| >8100 FORM LETTER GENERATION SYSTEM       |            | 5798-DHY    |   | 1120 |      |      | 01   | GB21-2931 | DPCX               | 1 S H        |
| 8100/DPCX 3790 DISTRIBUTED ENTRY QUERY    |            | 5798-CZE/01 |   | 190  |      |      | 12   | GB21-2431 | DOS/V5E OS/V5 DOSF | 1 S H        |



GRAPHICS APPLICATIONS GBOF-3399 DAPS 1409

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| ACCOUNTING INFORMATION MODULE             | CADAM (R)  | 5796-ATH    | R      | 59         | 33          |             |             |    | G320-6063       | OS/V5,VM/CMS                | 1      | S      | E      |
| APT INTERFACE MODULE                      | CADAM (R)  | 5796-ATE    | R      | 402        | 230         |             |             |    | G320-6063       | OS/V5,VM/CMS                | 1      | S      | E      |
| >BASIC GRAPHIC SUPPORT SYSTEM             | BGSS       | 5785-DCK    |        | 310        |             |             |             | 12 | G320-6659       | VM,VSAPL                    | 1      | S      | H      |
| >BASIC INTERACTIVE GRAPHIC APPL MONITOR   |            | 5785-DCJ    |        | 485        |             |             |             | 12 | G320-6659       | BGSS 5785-DCK               | 1      | S      | H      |
| >BRADS II GRAPH GENERATOR                 | BRADSGRAPH | 5721-DC8    |        | 632        |             |             |             | 01 | GH30-2521       | 5120 SYSTEM                 | 1      | S      | C      |
| BUSINESS GRAPHING ON THE IBM 3800         |            | 5798-CRB    |        | 191        |             |             |             | 12 | GB21-2167       | OS/V5                       | 1      | S      | H      |
| CAD-ONLY INTERACTIVE MODULE               | CADAM (R)  | 5796-ATA    | R      | 1310       | 747         |             |             |    | G320-6063       | OS/V5,VM/CMS                | 1      | S      | E      |
| CAD/CAM INTERACTIVE MODULE                | CADAM (R)  | 5796-ATB    | R      | 1510       | 862         |             |             |    | G320-6063       | OS/V5,VM/CMS                | 1      | S      | E      |
| >CADAM (R) INSTALLATION PRODUCTIVITY AID  |            | 5798-DEX    |        | 1150       |             |             |             | 01 | GB21-2753       | OS/V5,VM/CMS                | 1      | S      | H      |
| >COMPUTER AIDED ENGINEERING DESIGN SYSTEM | CAEDS (R)  | 5796-BBZ    | T      | 865        |             |             |             |    | G320-6439       | MVS/TSD,VM/CMS              | 1      | S      | E      |
| DATA MANAGEMENT MODULE                    | CADAM (R)  | 5796-ATC    | R      | 584        | 333         |             |             |    | G320-6063       | OS/V5,VM/CMS                | 1      | S      | E      |
| >DIGITAL INTERACTIVE GRAPHICS / MAPPING   |            | 5668-959    |        | 600        |             |             |             |    | GH20-5508       | 5799-AYB                    | 1      | S      | B      |
| >FINITE ELEMENT ANALYSIS                  | CAEDS (R)  | 5796-AZB    | T      | 1810       |             |             |             |    | G320-6439       | MVS/TSD,VM/CMS              | 1      | S      | E      |
| >FRAME ANALYSIS                           | CAEDS (R)  | 5796-AZA    | T      | 950        |             |             |             |    | G320-6439       | MVS/TSD,VM/CMS              | 1      | S      | E      |
| GEOMETRY INTERFACE MODULE                 | CADAM (R)  | 5796-ATJ    | R      | 342        | 195         |             |             |    | G320-6063       | OS/V5,VM/CMS                | 1      | S      | E      |
| GRAPHIC DATA DISPLAY MANAGER              | GDDM       | 5748-XXH/01 |        | 105        | 78          | 30          | 48          |    | GC33-0100       | TSD VM CICS IMS VSPC        | 1      | S      | K      |
| GRAPHIC ONLINE DIAGRAM DISPLAY            | GOLD       | 5798-CWX    |        | 900        |             |             |             | 24 | G320-6059       | MVS/TSD VM/CMS              | 1      | S      | H      |
| GRAPHIC TRAINING AID                      |            | 5796-AYJ    |        | 650        |             |             |             | 12 | G320-6336       | VS1                         | 1      | S      | H      |
| >GRAPHICS ACCESS METHOD / SYSTEM PRODUCT  | GAM/SP     | 5668-978    |        | 400        | 300         |             |             |    | GC33-0125       | VM/SP FOR 3250/2250         | 1      | S      | L      |
| >GRAPHPAK FULL SCREEN INTERFACE           |            | 5796-PPH    |        | 65         |             |             |             | 12 | G320-6642       | OS/V5,VM,VSAPL              | 1      | S      | H      |
| GRAPHS AND HISTOGRAMS IN APL              |            | 5798-AGL    |        | 83         |             |             |             | 12 | GB21-0414       | APLSV,APL/CMS               | 1      | I      | H      |
| HARDCOPY MODULE                           | CADAM (R)  | 5796-ATD    | R      | 493        | 281         |             |             |    | G320-6063       | OS/V5,VM/CMS                | 1      | S      | E      |
| INTERACTIVE CIRCUIT DESIGN                |            | 5796-PLR    |        | 862        |             |             |             | 24 | G320-6164       | VSAPL, APLSV                | 1      | S      | H      |
| INTERACTIVE GEO-FACILITIES GRAPHICS IGGS  | RPQ-P09016 | 5799-AYB    |        | 702        |             |             |             | 24 | GH20-2152       | TSD,VM & 5799-AXX           | 2      | S      | E      |
| >KINEMATICS                               | CATJA (R)  | 5796-PQL    |        | 420        | 300         |             |             |    | G320-6650       | OS/V5                       | 1      | S      | E      |
| NUMERICAL GEOMETRY SYSTEM APT-AC BRIDGE   |            | 5785-EAN    |        | 300        |             |             |             | 24 | GB21-2608       | 5785-EAH                    | 1      | S      | H      |
| NUMERICAL GEOMETRY SYSTEM - ADVANCED      |            | 5785-EAJ    |        | 1200       |             |             |             | 24 | GB21-2608       | 5785-EAH                    | 1      | S      | H      |
| NUMERICAL GEOMETRY SYSTEM - BASIC         |            | 5785-EAH    |        | 1400       |             |             |             | 24 | GB21-2608       | MVS                         | 1      | S      | H      |
| PANEL 2 LINE ART PROGRAM                  |            | 5796-PPA    |        | 86         |             |             |             | 24 | G320-6420       | VM/370,OS/V5                | 1      | S      | H      |
| >POLYHEDRAL SOLID GEOMETRY                | CATJA (R)  | 5796-PQJ    |        | 420        | 300         |             |             |    | G320-6650       | OS/V5                       | 1      | S      | E      |
| PRESENTATION GRAPHICS FEATURE             | GDDM/PGF   | 5748-XXH/02 |        | 126        | 94          | 30          | 48          |    | GC33-0100       | 5202-5209                   | 1      | S      | K      |
| >S/34 GRAPHING SYSTEM                     |            | 5798-NWQ    |        | 69         |             |             |             | 06 | GB30-1315       | SYSTEM/34                   | 1      | S      | H      |
| SOFTCOPY - A CADAM (R) DRAWING VIEWER     |            | 5796-PNP    |        | 293        |             |             |             |    | G320-6388       | MVS-TSD,VM/CMS,3277G        | 1      | S      | E      |
| STATISTICAL DATA MODULE                   | CADAM (R)  | 5796-ATG    | R      | 32         | 18          |             |             |    | G320-6063       | OS/V5,VM/CMS                | 1      | S      | E      |
| >SURFACE AND NC                           | CATJA (R)  | 5796-PQH    |        | 840        | 500         |             |             |    | G320-6650       | OS/V5                       | 1      | S      | E      |
| TELECOMMUNICATIONS MODULE                 | CADAM (R)  | 5796-ATF    | R      | 351        | 201         |             |             |    | G320-6063       | OS/V5                       | 1      | S      | E      |
| >THREE DIMENSIONAL PRESENTATION GRAPHICS  |            | 5798-DGP    |        | 145        |             |             |             | 12 | GB21-2867       | VM/CMS,MVS,GDDM             | 1      | S      | H      |
| TREND ANALYSIS                            |            | 5740-F12    |        | 838        |             |             |             |    | GH20-1861       | IMS/V5,OS/V5                | 1      | S      | B      |
| TREND ANALYSIS - GRAPHICS & DATA BASE     |            | 5740-XYT    |        | 431        |             |             |             |    | GH20-2445       | CICS/OS/V5,3279             | 2      | S      | B      |
| >VISUAL AIDS PREPARATION SYSTEM           |            | 5798-DJZ    |        | 1300       |             |             |             | 01 | GB21-2968       | GDDM/PGF                    | 1      | S      | H      |

GRAPHICS APPLICATIONS    GBOF-3399 DAPS 1409    (CONT.)

| <u>PROGRAM INFORMATION</u>                  | <u>SHORT NAME</u> | <u>ORDER #</u>  | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u>   | <u>ENVIRONMENT</u>        | <u>T I S</u> |
|---|-------------------|-----------------|----------|------------|-------------|-------------|-------------|------------------|---------------------------|--------------|
|   |                   |                 | <u>C</u> | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  | <u>INFO</u>      | <u>OR FEATURE #</u>       | <u>P L V</u> |
| >VM/SP GRAPHIC SUBROUTINE PACKAGE           |                   | 5796-PPR        |          | 80         |             |             |             | 24 G320-6657     | VM/SP                     | 1 S H        |
| >WIRE FRAME GEOMETRY                        | CATIA (R)         | 5796-PQG        |          | 1420       | 1000        |             |             | G320-6650        | OS/VS                     | 1 S E        |
| 3D MESH GEOMETRY MODULE                     | CADAM (R)         | 5796-AWR        | R        | 428        | 244         |             |             | G320-6063        | OS/VS,VM/CMS              | 0 S H        |
| 3D SURFACE GEOMETRY MODULE                  | CADAM (R)         | 5796-AWT        | R        | 201        | 115         |             |             | G320-6063        | OS/VS,VM/CMS              | 0 S H        |
| <u>3277 APL GRAPHICS ATTACHMENT SUPPORT</u> | <u>RPQ-P09014</u> | <u>5799-AXW</u> |          | <u>84</u>  |             |             |             | <u>GH20-2146</u> | <u>VSAPL:CMS,TSO,VSPC</u> | <u>1 S E</u> |
| 3277 GRAPHICS ATTACHMENT PLOTTER TABLET     |                   | 5798-DCE        |          | 47         |             |             | 12          | GB21-2598        | TSO,VM &5799-AXX/-W       | 1 S H        |
| 3277 GRAPHICS ATTACHMENT STORAGE TUBE       |                   | 5798-DAG        |          | 51         |             |             | 12          | GB21-2503        | MVS/TSO VM/CMS            | 1 S H        |
| 3277 GRAPHICS ATTACHMENT SUPPORT            | RPQ-P09013        | 5799-AXX        |          | 84         |             |             |             | GH20-2147        | VM/CMS,MVS/TSO            | 1 S E        |
| 3279 EXECUTIVE PRESENTATION SYSTEM          |                   | 5798-DEB        |          | 345        |             |             | 12          | GB21-2725        | VM,TSO + GDDM             | 1 S H        |
| >5224/5225 ADV PRINTER FUNCTION             | RPQ-P84045        | 5799-BFN        |          | 525        |             |             | 01          | GC21-7922        | SYSTEM/34                 | 1 S E        |

DL/I AND AIDS GBOF-3321 DAPS 1421

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| CHAINED FILE DL/I BRIDGE                 |            | 5748-XX3 |        | 437        |             |             |             |    | GH12-5116       | DOS/VS,OS/VS                | 1 S B          |
| CICS/VS ISAM - DL/I BRIDGE               |            | 5798-DBH |        | 160        |             |             |             | 12 | GB21-2549       | DOS/VSE,OS/VS,DOS/VS        | 1 S H          |
| DATA BASE DESIGN AID VERSION 2           | DBDA       | 5746-XXQ |        | 302        |             |             |             |    | GH20-1626       | DOS/VS                      | 1 I C          |
| DATA BASE DUMP FOR DL/I                  |            | 5796-AJE |        | 400        |             |             |             | 01 | G320-8156       | DOS/VS DL/I                 | 1 S H          |
| >DATA DICTIONARY LANGUAGE PREPROCESSOR   |            | 5798-DHG |        | 735        |             |             |             | 01 | GB21-2902       | DOS/VSE,DL/I                | 1 S H          |
| >DATA DICTIONARY UTILITIES               |            | 5798-DHQ |        | 650        |             |             |             | 01 | GB21-2920       | DOS/VSE,DL/I                | 1 S H          |
| DATA LANGUAGE / I                        | DL/I       | 5746-XX1 |        | 372        | 279         | 110         | 176         |    | GH20-1246       | DOS/VSE                     | 2 S K          |
| DATA LANGUAGE / I ENTRY                  | DL/I ENTRY | 5746-XX7 |        | 372        | 279         | 22          | 35          |    | GH12-5115       | DOS/VS                      | 2 S K          |
| DB/DC DATA DICTIONARY                    |            | 5740-XXF |        | 805        | 603         | 84          | 134         |    | GH20-9104       | IMS/VS DL/I OS/VS           | 2 S K          |
| DB/DC DATA DICTIONARY                    |            | 5746-XXC |        | 366        | 274         | 66          | 105         |    | GH20-9193       | DOS/VS,DL/I,CICS/VS         | 2 S K          |
| DL/I - CICS/VS TEST PROG. STATE INDUST.  |            | 5796-ARN |        | 85         |             |             |             | 12 | G320-6053       | DOS/VS                      | 1 S H          |
| DL/I BASIC PROGRAMMING COURSE            | DLI.BP     | 5798-CBA |        | 160        |             |             |             | 12 | GB21-1416       | IIS,IIPS                    | 1 L H          |
| DL/I FAST SCAN UTILITY FOR DOS/VS        |            | 5798-CVJ |        | 195        |             |             |             | 12 | GB21-2380       | DOS/VS DL/I                 | 1 I H          |
| DL/I SPACE MANAGEMENT UTILITIES          | SMU        | 5796-PKF |        | 79         |             |             |             |    | G320-6072       | DOS/VS DL/I                 | 1 S E          |
| DOS DATA BASE GUIDE & SPACE ESTIMATES    |            | 5798-DFJ |        | 35         |             |             |             | 12 | GB21-2798       | DOS/VS,DOS/VSE              | 1 S H          |
| DOS MAP DL/I                             |            | 5796-PCW |        | 70         |             |             |             | 12 | G320-8159       | DL/I DOS/VS                 | 0 S H          |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST | ELIAS-I    | 5746-XXV |        | 188        | 141         | 13          | 21          |    | GH19-6218       | DOS/VSE,CICS/VS,DL/I        | 1 S K          |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST | ELIAS-I/VM | 5748-XXX |        | 289        | 216         | 25          | 40          |    | GH19-6157       | VM/CMS,CICS/VS,DL/I         | 1 S K          |
| GENERALIZED INFORMATION SYSTEM - GIS     | RPQ-8T0139 | 5799-ALX |        | 589        |             |             |             |    | GH19-0082       | DOS/VS,DL/I                 | 1 S B          |
| ISAM - DL/I BRIDGE                       |            | 5798-CYT |        | 165        |             |             |             | 12 | GB21-2396       | DOS/VS,DL/I                 | 1 S H          |
| >SSX/VSE DL/I                            |            | 5666-275 |        | 372        | 279         | 110         | 176         |    | GC33-6143       | SSX/VSE                     | 2 S K          |

IMS DATA BASE AND AIDS GBOF-3322 DAPS 1422

| PROGRAM INFORMATION                     | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>Y |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| APPLICATION DEVELOPMENT FACILITY COURSE | ADF        | 5798-DDW    |        | 125        |             |             |             | 12 | GB21-2712       | IIS, IIPS                   | 1      | L      | H      |
| BATCH TERMINAL - TP NETWORK SIMULATOR   | BTS TPNS   | 5798-CXJ    |        | 110        |             |             |             | 12 | GB21-2328       | TPNS BTS IMS/V5             | 1      | I      | H      |
| BATCH TERMINAL SIMULATOR II             | BTS II     | 5796-PGT    |        | 230        |             |             |             |    | G320-5684       | IMS/V5 VIR2                 | 1      | S      | E      |
| CHAINED FILE DL/I BRIDGE                |            | 5748-XX3    |        | 437        |             |             |             |    | GH12-5116       | DOS/V5, OS/V5               | 1      | S      | B      |
| CIC5/V5 ISAM - DL/I BRIDGE              |            | 5798-DBH    |        | 160        |             |             |             | 12 | GB21-2549       | DOS/V5E, OS/V5, DOS/V5      | 1      | S      | H      |
| DATA BASE DESIGN AID VERSION 2          | DBDA       | 5740-XY8    |        | 392        |             |             |             |    | GH20-1626       | OS/V5                       | 1      | I      | C      |
| DATA BASE EXTRACTING AND RESTRUCTURING  | EXPRESS    | 5796-PLH    |        | 462        |             |             |             |    | G320-6160       | IMS/V5 PL/I                 | 1      | S      | E      |
| DATA DICTIONARY LANGUAGE PREPROCESSOR   |            | 5798-DEQ    |        | 55         |             |             |             | 12 | GB21-2758       | OS/V5, COBOL, PL/I, ASM     | 1      | S      | H      |
| DATA DICTIONARY UTILITIES               |            | 5798-DER    |        | 60         |             |             |             | 12 | GB21-2746       | OS/V5                       | 1      | S      | H      |
| DR/DC DATA DICTIONARY                   |            | 5740-XXF    |        | 805        | 603         | 84          | 134         |    | GH20-9104       | IMS/V5 DL/I OS/V5           | 2      | S      | K      |
| DBPROTOTYPE II                          |            | 5796-PJK    |        | 180        |             |             |             |    | G320-5754       | IMS/V5 VIR2                 | 1      | S      | E      |
| >FAST SCAN UTILITY II                   |            | 5798-DFN    |        | 920        |             |             |             | 01 | GB21-2908       | OS/V5, IMS/V5               | 0      | S      | H      |
| GENERALIZED INFORMATION SYSTEM - VS     | GIS/V5     | 5740-XX7/01 |        | 1165       | 873         | 73          | 117         |    | GH20-9035       | OS/V5                       | 2      | S      | K      |
| GIS/V5 ADVANCED QUERY FEATURE           |            | 5740-XX7/02 |        | 363        | 272         | 23          | 37          |    | GH20-9035       | 6012-6014                   | 2      | S      | K      |
| GIS/V5 MODIFY FEATURE                   |            | 5740-XX7/04 |        | 181        | 135         | 11          | 18          |    | GH20-9035       | 6018-6020                   | 2      | S      | K      |
| GIS/V5 UPDATE & CREATE FEATURE          |            | 5740-XX7/03 |        | 767        | 575         | 47          | 75          |    | GH20-9035       | 6015-6017                   | 2      | S      | K      |
| HDAM RANDOMIZER GENERATOR EXTENSIONS    |            | 5798-CXN    |        | 95         |             |             |             | 12 | GB21-2347       | 5798-CQG OS/V5              | 1      | I      | H      |
| HDAM SEQUENTIAL RANDOM GENERATOR        |            | 5798-CQG    |        | 176        |             |             |             | 12 | GB21-2126       | OS/V52                      | 0      | I      | H      |
| IMS APL DATA LINK FOR TSO               |            | 5796-PKW    |        | 442        |             |             |             |    | G320-6065       | TSO WITH VSAPL              | 1      | S      | E      |
| IMS APL DATA LINK FOR VM/CMS            |            | 5796-PLE    |        | 442        |             |             |             |    | G320-6098       | VM/CMS WITH VSAPL           | 1      | S      | E      |
| IMS APPLICATION DEVELOPMENT FACILITY II | ADF II     | 5796-PHX    |        | 632        |             |             |             |    | G320-5744       | IMS/V5 VIR2                 | 1      | S      | E      |
| IMS FAST REORGANIZATION RELOAD          |            | 5798-CXT    |        | 252        |             |             |             | 12 | GB21-2341       | OS/V5                       | 1      | I      | H      |
| IMS MAP                                 | IMSMAP     | 5796-PBC    |        | 363        |             |             |             | 01 | G320-1523       | OS/V5 IMS/V5                | 0      | S      | H      |
| IMS SPACE MANAGEMENT UTILITIES II       | SMU II     | 5796-PJJ    |        | 140        |             |             |             |    | G320-5753       | IMS/V5 VIR2                 | 1      | S      | E      |
| IMS/V5 DATA BASE RECOVERY CONTROL FEAT. |            | 5740-XX2/06 |        | 331        | 248         | 29          | 46          |    | GH35-0010       | 6093-6094                   | 1      | S      | K      |
| IMS/V5 DATA BASE SURVEYOR UTILITY FEAT. |            | 5740-XX2/05 |        | 97         | 72          | 11          | 18          |    | GH20-9069       | 6098-6099                   | 0      | S      | K      |
| IMS/V5 DATA COMPRESSION FACILITY        |            | 5798-DCJ    |        | 85         |             |             |             | 12 | GB21-2612       | OS/V5                       | 1      | S      | H      |
| IMS/V5 EMERGENCY LOG TERMINATOR         | ELT        | 5796-ATN    |        | 75         |             |             |             |    | G320-6070       | IMS/V5 VIR2                 | 1      | I      | E      |
| IMS/V5 HDAM RANDOMIZING ALGORITHM       |            | 5796-AJL    |        | 945        |             |             |             | 01 | G320-8157       | OS/V5, IMS/V5, IMS/360      | 1      | S      | H      |
| INFORMATION MANAGEMENT SYSTEM           | IMS/V5/DB  | 5740-XX2/01 |        | 1310       | 982         | 140         | 224         |    | GH20-1260       | OS/V5                       | 2      | S      | K      |
| INFORMATION MANAGEMENT SYSTEM VERS 2    | IMS/360    | 5734-XX6/01 |        | 646        |             |             |             |    | GH20-0765       | OS/MFT/MVT/VS1/VS2          | 2      | S      | C      |
| INTEGRATED PROCESSING OF DATA AND TEXT  | IPDT       | 5785-DCT    |        | 750        |             |             |             | 24 | GB21-2755       | OS/V5, IMS, DCF, DLF        | 1      | S      | H      |
| ISAM - IMS/DB BRIDGE                    |            | 5798-DBG    |        | 150        |             |             |             | 12 | GB21-2547       | OS/V5                       | 1      | S      | H      |
| TEST IMS UTILITIES                      |            | 5796-PBE    |        | 151        |             |             |             | 12 | G320-1523       | OS/IMS                      | 1      | S      | H      |
| TEST IMS/V5 UTILITIES                   |            | 5796-PDA    |        | 100        |             |             |             | 12 | G320-1540       | OS/VS1/VS2, IMS/V5          | 1      | S      | H      |
| VSPC APL DL/I INTERFACE                 |            | 5785-FAL    |        | 340        |             |             |             | 12 | GB21-2776       | VSAPL WITH VSPC             | 1      | S      | H      |

CICS AND AIDS GBOF-3323 DAPS 1423

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L Y |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| ACCOUNT NETWORK MANAGEMENT PROGRAM        | ANMP       | 5798-DAQ    |        | 230        |             |             |             |    | GB21-2521       | CICS/OS/V5                  | 1 I E          |
| ACCOUNT NETWORK MANAGEMENT PROGRAM        | ANMP       | 5798-DAT    |        | 189        |             |             |             |    | GB21-2521       | CICS/DOS/V5                 | 1 I E          |
| CICS PERFORMANCE ANALYSIS REPORTING       | CICSPARS   | 5798-DAB    |        | 69         |             |             |             |    | GB21-2494       | OS/V5,DOS/V5E               | 1 S E          |
| CICS PERFORMANCE ANALYZER II              | PA II      | 5798-CFP    |        | 68         |             |             |             |    | GB21-1862       | DOS/V5.OS/V5                | 1 S E          |
| CICS 3270 SIMULATOR                       |            | 5798-AXC    |        | 65         |             |             |             | 12 | GB21-1035       | CICS/OS/DOS/V5              | 1 S H          |
| CICS/DOS/V5 FASTER LANGUAGE FACILITY      |            | 5746-XX3/02 |        | 113        |             |             |             |    | GH20-1502       | 6019-6024                   | 2 S C          |
| CICS/OS/V5 FASTER LANGUAGE FACILITY FEAT  |            | 5740-XX1/02 |        | 113        |             |             |             |    | GH20-1502       | 6021-6023                   | 0 S C          |
| CICS/V5 AUTOMATED EVENT CONTROL           |            | 5798-DBQ    |        | 55         |             |             |             | 12 | GB21-2561       | CICS/V5                     | 1 S H          |
| >CICS/V5 COMMAND LEVEL PROGRAMMING COURSE |            | 5798-DCX    |        | 1290       |             |             |             | 01 | GB21-2628       | IIS,IIPS                    | 1 L H          |
| CICS/V5 DATA-SET RECOVERY FACILITY        |            | 5798-CJF    |        | 56         |             |             |             | 12 | GB21-1837       | OS/V5,DOS/V5                | 1 S H          |
| CICS/V5 DUMP READING PROGRAM              |            | 5798-CJX    |        | 100        |             |             |             | 12 | GB21-1874       | OS/V5                       | 1 S H          |
| CICS/V5 FORMATTED TRANSACTION DUMP ONLINE |            | 5798-CQY    |        | 180        |             |             |             | 12 | GB21-2156       | V51,DOS/V5,CICS/V5          | 1 S H          |
| >CICS/V5 ONLINE DATASET RECOVERY FACILITY |            | 5798-DHL    |        | 670        |             |             |             | 01 | GB21-2911       | CICS/DOS NON-DL/I           | 1 S H          |
| CICS/V5 ONLINE PROMPTING FACILITY         |            | 5796-AWQ    |        | 170        |             |             |             | 12 | G320-6158       | CICS/V5                     | 1 S H          |
| CICS/V5 ONLINE TEST DEBUG II              | OLTD II    | 5796-AHJ    |        | 86         |             |             |             |    | G320-5710       | DOS/V5.OS/V5                | 1 S E          |
| CICS/V5 OPERATIONS SUPPORT PACKAGE        |            | 5798-DBJ    |        | 40         |             |             |             | 12 | GB21-2554       | DOS/V5E,DOS,V5,OS/V5        | 1 S H          |
| COMMUNICATION ORIENTED MESSAGE SYSTEM     | CORMES     | 5668-007    |        | 417        |             |             |             |    | GH12-5127       | OS/V5 CICS DL/I             | 1 S E          |
| COMMUNICATION ORIENTED MESSAGE SYSTEM     | CORMES     | 5746-XXM    |        | 417        |             |             |             |    | GH12-5127       | DOS/V5                      | 2 S B          |
| CPU CONSOLE AS CICS MASTER TERMINAL       |            | 5798-ANK    |        | 60         |             |             |             | 12 | GB21-0800       | OS/DOS CICS                 | 1 S H          |
| CUSTOMER INFORMATION CONTROL SYSTEM       | CICS       | 5734-XXZ    |        | 823        |             |             |             |    | GH20-1028       | DOS                         | 2 S C          |
| CUSTOMER INFORMATION CONTROL SYSTEM       | CICS ENTRY | 5736-XX6    |        | 235        |             |             |             |    | GH20-1028       | DOS                         | 2 S C          |
| CUSTOMER INFORMATION CONTROL SYSTEM       | CICS STAND | 5736-XX7    |        | 588        |             |             |             |    | GH20-1028       | DOS                         | 2 S C          |
| CUSTOMER INFORMATION CONTROL SYSTEM       | CICS/V5    | 5740-XX1    |        | 1425       | 1065        | 116         | 186         |    | GC33-0066       | OS/V5                       | 2 S K          |
| CUSTOMER INFORMATION CONTROL SYSTEM       | CICS/V5    | 5746-XX3/01 |        | 450        | 337         | 116         | 186         |    | GC33-0066       | DOS/V5E                     | 2 S K          |
| DEVELOPMENT MANAGEMENT SYSTEM / CICS      | DMS/CICS   | 5740-XC5/01 |        | 269        | 201         | 40          | 64          |    | GH20-2195       | CICS/V5/OS                  | 1 S K          |
| DEVELOPMENT MANAGEMENT SYSTEM / CICS      | DMS/CICS   | 5746-XC4/01 |        | 139        | 104         | 40          | 64          |    | GH20-2195       | CICS/V5 DOS                 | 1 S K          |
| DL/I - CICS/V5 TEST PROG. STATE INDUST.   |            | 5796-ARN    |        | 85         |             |             |             | 12 | G320-6053       | DOS/V5                      | 1 S H          |
| DMS/CICS APPLICATION GENERATION FEATURE   |            | 5740-XC5/02 |        | 366        | 274         | 40          | 64          |    | GH20-2195       | 6127-6128                   | 1 S K          |
| DMS/CICS APPLICATION GENERATION FEATURE   |            | 5746-XC4/02 |        | 208        | 156         | 40          | 64          |    | GH20-2195       | 6080-6086                   | 1 S K          |
| >DMS/CICS EXTENDED ACCESS                 |            | 5798-DJH    |        | 650        |             |             |             | 01 | GB21-2944       | DMS/CICS/OS/DOS             | 1 S H          |
| DMS/CICS/V5 ONLINE DEBUGGING AID          |            | 5798-DEC    |        | 50         |             |             |             | 12 | GB21-2727       | DOS/V5,DOS/V5E              | 1 S H          |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST  | ELIAS-I    | 5746-XXV    |        | 188        | 141         | 13          | 21          |    | GH19-6218       | OS/V5E,CICS/V5,DL/I         | 1 S K          |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST  | ELIAS-I/VM | 5748-XXX    |        | 289        | 216         | 25          | 40          |    | GH19-6157       | VM/CMS,CICS/V5,DL/I         | 1 S K          |
| GRAPHICAL DISPLAYS - CICS/V5              |            | 5798-CPJ    |        | 115        |             |             |             | 12 | GB21-2076       | DOS/V5 OS/V5                | 1 S H          |
| >INTEGRATED PROCESSING OF DATA AND TEXT   | IPDT       | 5785-DCX    |        | 370        |             |             |             |    | GB21-2944       | CICS/OS/V5                  | 1 S H          |
| >INTEGRATED PROCESSING OF DATA AND TEXT   |            | 5785-DDD    |        | 260        |             |             |             |    | GB21-2944       | CICS/DOS/V5                 | 1 S H          |
| NETWORK ERROR MANAGEMENT FACILITY         | NEMF       | 5798-DAW    |        | 112        |             |             |             |    | GB21-2527       | CICS/V5                     | 1 S E          |
| ONLINE PANELS ENTRY LIBRARY SYSTEM        |            | 5798-CET    |        | 150        |             |             |             | 12 | GB21-1641       | CICS CICS/V5 MTCS           | 1 I H          |
| >PRINT SPOOLING SYSTEM FOR CICS           |            | 5785-DCW    |        | 255        |             |             |             | 12 | GB21-2970       | V5E,OS/V5,CICS/V5           | 1 S H          |
| SCREEN DEFINITION FACILITY / CICS         | SDF/CICS   | 5740-XYF    |        | 278        | 208         | 44          | 70          |    | GH19-6087       | OS/V5                       | 1 S K          |

CICS AND AIDS GBOF-3323 DAPS 1423 (CONT.)

| <u>PROGRAM INFORMATION</u>               | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u><br><u>C</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u><br><u>INFO</u> | <u>ENVIRONMENT</u><br><u>OR FEATURE #</u> | <u>T I S</u><br><u>P L V</u> |
|--|-------------------|----------------|----------------------|------------|-------------|-------------|-------------|-------------------------------|---|------------------------------|
| SCREEN DEFINITION FACILITY / CICS        | SDF/CICS          | 5746-XXT       |                      | 221        | 165         | 44          | 70          | GH19-6087                     | DOS/VSE                                   | 1 S K                        |
| SOURCE PROGRAM MAINTENANCE ONLINE II SPM | SPMOL II          | 5798-CFT/01    |                      | 172        |             |             |             | GB21-1696                     | DOS/V5,OS/V5 CICS/V5                      | 1 S E                        |
| SPM II FILE COMPRESSION REPORTING SYSTEM |                   | 5796-AYG       |                      | 65         |             |             |             | G320-6332                     | DOS/VSE                                   | 1 S H                        |
| SPM II WITH AUDITING AND ARCHIVING       | SPMOL II          | 5798-CFT/02    |                      | 53         |             |             |             | GB21-1619                     | 6005-6006                                 | 1 S E                        |
| >SYSTEM ERROR MANAGEMENT FACILITY        |                   | 5798-DGD       |                      | 55         |             |             |             | GB21-2834                     | DOS/VSE,CICS/V5                           | 1 S E                        |
| >SYSTEM ERROR MANAGEMENT FACILITY        |                   | 5798-DGE       |                      | 65         |             |             |             | GB21-2836                     | OS/V5,CICS/V5                             | 1 S E                        |
| VSE 3270 BISYNC PASS THROUGH             |                   | 5746-AM5       |                      | 159        |             |             |             | GH20-2403                     | DOS/VSE CICS/V5                           | 1 S B                        |
| 2260 2741 COMPATIBILITY USING VTAM/TCAM  |                   | 5796-ATW       |                      | 275        |             |             |             | G320-6079                     | OS/V51, OS/V52                            | 1 S H                        |
| 3270 SCREEN FORMAT UTILITY               |                   | 5798-CBH       |                      | 70         |             |             |             | G320-6079                     | OS/V51, OS/V52                            | 1 S H                        |
| >3640 CICS/V5 EXTENSIONS - 4331 LOOPS    | RPQ-P90000        | 5799-BEH       |                      | 61         | 45          | 6           | 10          | GB21-1441                     | MTCS,CICS,CICS/V5                         | 1 I H                        |
|  |                   |                |                      |            |             |             |             |                               | DOS/VSE,OS/V51                            | 1 S K                        |

IMS DATA COMMUNICATION AND AIDS GBOF-3324 DAPS 1424

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MLPS<br>MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T | I | S |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|------------|-----------------|-----------------------------|---|---|---|
|  |            |             |        |            |             |             |             |            |                 |                             | P | L | V |
| ACCOUNT NETWORK MANAGEMENT PROGRAM       | ANMP       | 5798-DBP    |        | 379        |             |             |             |            | GB21-2568       | OS/V5 IMS/V5                | 1 | I | E |
| APPLICATION DEVELOPMENT FACILITY COURSE  | ADF        | 5798-DDW    |        | 125        |             |             |             | 12         | GB21-2712       | IIS,IIPS                    | 1 | L | H |
| AUTOMATED OPERATOR FACILITY              | ADF        | 5740-XYD    |        | 639        |             |             |             |            | GH20-2022       | IMS/V5 VIR2                 | 1 | S | B |
| BATCH TERMINAL - TP NETWORK SIMULATOR    | BTS TPNS   | 5798-CXJ    |        | 110        |             |             |             | 12         | GB21-2328       | TPNS BTS IMS/V5             | 1 | I | H |
| BATCH TERMINAL SIMULATOR II              | BTS II     | 5796-PGT    |        | 230        |             |             |             |            | G320-5686       | IMS/V5 VIR2                 | 1 | S | E |
| DATA COMMUNICATION FEATURE               | IMS/360    | 5734-XX6/02 |        | 700        |             |             |             |            | GH20-0765       | 6022-6024                   | 2 | S | C |
| DATA PROCESSING ACCOUNTING FOR IMS/V5    | DPA        | 5740-DC2    |        | 385        |             |             |             |            | GH19-6028       | OS/V5                       | 1 | I | C |
| DC ANALYZER                              |            | 5796-PCA    |        | 248        |             |             |             | 12         | G320-1532       | OS,OS/V5,IMS/V5             | 1 | S | H |
| IMS AVAILABILITY REPORTS                 |            | 5798-CNN    |        | 225        |             |             |             | 12         | GB21-2030       | OS/V5                       | 1 | I | H |
| IMS DC PROGRAMMING COURSE                | IMS.DC     | 5798-CGX    |        | 136        |             |             |             | 12         | GB21-1763       | IIS,IIPS                    | 1 | L | H |
| IMS HISTORY REPORTING SYSTEM             |            | 5798-CLB    |        | 165        |             |             |             | 12         | GB21-1945       | OS/V5                       | 1 | I | H |
| IMS LOG TAPE MANAGEMENT SYSTEM           |            | 5796-AHT    |        | 200        |             |             |             | 12         | G320-8141       | OS/V52, IMS/V5SIMS          | 1 | S | H |
| IMS MASTER TERMINAL OPERATOR ASSIST      |            | 5798-CLK    |        | 40         |             |             |             | 12         | GB21-1969       | OS/V5                       | 1 | S | H |
| IMS MONITOR SUMMARY & SYSTEM ANALYSIS II | IMSASAP II | 5798-CHJ    |        | 117        |             |             |             |            | GB21-1792       | IMS/V5 VIR2                 | 1 | I | E |
| IMS TRANSACTION PROFILES PROGRAM         |            | 5796-PGG    |        | 250        |             |             |             | 12         | G320-5667       | IMS/360,IMS/V5              | 1 | L | H |
| IMS 3270 LOCAL COPY FOR ONLINE PRINTING  |            | 5796-AHL    |        | 190        |             |             |             | 12         | G320-8150       | IMS/360,IMS/V5              | 1 | S | H |
| IMS/V5 DATA BASE RECOVERY CONTROL FEAT.  |            | 5740-XX2/06 |        | 331        | 248         | 29          | 46          |            | GH35-0010       | 6093-6094                   | 1 | S | K |
| IMS/V5 DATA COMMUNICATIONS FEATURE       | IMS/V5/DC  | 5740-XX2/02 |        | 1630       | 1220        | 140         | 224         |            | GH20-1260       | 6151-6152                   | 0 | S | K |
| IMS/V5 FAST-PATH FEATURE                 |            | 5740-XX2/04 |        | 1750       | 1310        | 165         | 264         |            | GH20-9069       | 6179-6180                   | 2 | S | K |
| IMS/V5 MASTER TERMINAL OPERATOR TRAINING |            | 5798-DEG    |        | 75         |             |             |             | 12         | GB21-2736       | IIS,IIPS                    | 1 | L | H |
| IMS/V5 MESSAGE FORMAT SERVICES TRAINING  |            | 5798-CKY    |        | 242        |             |             |             | 12         | GB21-1933       | IIS,IIPS                    | 1 | L | H |
| IMS/V5 MESSAGE REQUEUER                  | MQR        | 5796-ATP    |        | 109        |             |             |             |            | G320-6071       | IMS/V5 VIR2                 | 1 | I | E |
| IMS/V5 MULTIPLE SYSTEMS COUPLING FEATURE | MSC        | 5740-XX2/03 |        | 1330       | 997         | 41          | 66          |            | GH20-1260       | 6157-6158                   | 1 | S | K |
| IMS/V5 ONLINE DATA MANAGEMENT UTILITY    |            | 5796-AQZ    |        | 170        |             |             |             | 12         | G320-5820       | OS/V5                       | 1 | S | H |
| IMS/V5 RESPONSE TIME MONITOR             |            | 5796-ARB    |        | 70         |             |             |             | 12         | G320-5822       | OS/V5                       | 1 | S | H |
| IMS/V5 TIME INITIATED INPUT FACILITY     | TIIF       | 5798-CWF    |        | 95         |             |             |             |            | GB21-2255       | IMS/V5 VIR2                 | 1 | S | E |
| IMS/V5 USER SECURITY                     |            | 5798-CTZ    |        | 150        |             |             |             | 12         | GB21-2252       | OS/V51/SV5, VSAM            | 1 | S | H |
| IMS/V5 VIRTUAL STORAGE ANALYSIS          | IMSVSAP    | 5798-CNC    |        | 60         |             |             |             | 12         | GB21-2002       | OS/V5                       | 1 | S | H |
| IQF INTERACTIVE QUERY FACILITY FEATURE   | IMS/360    | 5734-XX6/03 |        | 352        |             |             |             |            | GH20-1074       | 6068-6070                   | 2 | S | C |
| NETWORK ERROR MANAGEMENT FACILITY - IMS  | NEMF       | 5798-DBN    |        | 185        |             |             |             |            | GB21-2566       | OS/V5                       | 1 | S | E |
| PERFORMANCE ANALYSIS & REPORTING SYSTEM  | IMSPARS    | 5798-CQP    |        | 143        |             |             |             |            | GB21-2139       | IMS/V5 VIR2,5798-CPR        | 1 | I | E |
| >SYSTEM ERROR MANAGEMENT FACILITY        |            | 5798-DGF    | P      | 140        |             |             |             |            | GB21-2838       | IMS/V5                      | 1 | S | E |
| 3270 SCREEN IMAGE PREPROCESSOR           |            | 5796-AFC    |        | 123        |             |             |             | 12         | G320-8099       | OS, OS/V5                   | 1 | S | H |

INTERACTIVE AND PERSONAL COMPUTING GBOF-3330 DAPS 1430

| <u>PROGRAM INFORMATION</u>                          | <u>SHORT NAME</u> | <u>ORDER #</u>     | <u>T</u> | <u>LIC</u>  | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u>      | <u>ENVIRONMENT</u>     | <u>T I S</u> |
|---|-------------------|--------------------|----------|-------------|-------------|-------------|-------------|---------------------|------------------------|--------------|
|   |                   |                    | <u>C</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  | <u>INFO</u>         | <u>OR FEATURE #</u>    | <u>P L V</u> |
| APPLICANT TRACKING SYSTEM                           |                   | 5796-PLT           |          | 1100        |             |             |             | 12 G320-6333        | VM/CMS                 | 1 S H        |
| BUSINESS ANALYSIS / BASIC                           |                   | 5734-XMB           |          | 60          |             |             |             | GH20-1175           | VSPC,CMS               | 1 S C        |
| >BUSINESS ANALYSIS/BASIC MOD 6                      |                   | 5703-XM3           |          | 70          |             |             |             | GH20-1175           | SYSTEM/3               | 1 S C        |
| CALL/OS TO VSPC TRANSITION PROGRAM                  |                   | 5798-CQR           |          | 8300        |             |             |             | 01 GB21-2151        | OS/V5                  | 0 I H        |
| <u>GOVERNMENT REPORTING &amp; BENEFITS TRACKING</u> | <u>INTERPERS</u>  | <u>5746-AM1/02</u> |          | <u>208</u>  |             |             |             | <u>GH20-2151</u>    | <u>6080-6081</u>       | <u>2 S B</u> |
| GOVERNMENT REPORTING / TRACKING FEATURE             | INTERPERS         | 5740-AM4/02        |          | 278         |             |             |             | GH20-2151           | 6125-6126              | 2 S B        |
| INTERACTIVE COMPUTING CONTROL FACILITY              | ICCF              | 5746-TS1           |          | 97          | 72          | 22          | 35          | GC33-6066           | DOS/VSE                | 1 S K        |
| INTERACTIVE INSTRUCTIONAL AUTHORIZING               | IIAS              | 5668-011           |          | 373         |             |             |             | GH20-2446           | OS/V5,DOS/VSE,VM/CMS   | 2 S B        |
| INTERACTIVE INSTRUCTIONAL PRESENTATION              | IIPS              | 5668-012           |          | 218         |             |             |             | GH20-2446           | OS/V5,DOS/VSE,VM/CMS   | 2 S B        |
| <u>INTERACTIVE INSTRUCTIONAL SYSTEM</u>             | <u>IIS</u>        | <u>5748-XX6/01</u> |          | <u>544</u>  |             |             |             | <u>GH20-1895</u>    | <u>DOS/V5,OS/V5,VM</u> | <u>2 S B</u> |
| INTERACTIVE PERSONNEL SYSTEM                        | INTERPERS         | 5740-AM4/01        |          | 1525        |             |             |             | GH20-2151           | IMS/V5,CICS/OS/V5      | 2 S B        |
| INTERACTIVE PERSONNEL SYSTEM                        | INTERPERS         | 5746-AM1/01        |          | 1110        |             |             |             | GH20-2151           | CICS/DOS/V5            | 2 S B        |
| MATH / BASIC  |                   | 5734-XM8           |          | 55          |             |             |             | GH20-1128           | CMS,VSPC               | 1 S C        |
| MCGILL U SYSTEM - INTERACTIVE COMPUTING             | MUSIC V           | 5796-PQA           |          | 545         |             |             |             | G320-6629           | VM/CMS                 | 1 S E        |
| <u>PLANNING CONTROL &amp; DECISION EVALUATION</u>   | <u>PLANCODE/I</u> | <u>5740-XX8</u>    |          | <u>764</u>  |             |             |             | <u>GH19-1103</u>    | <u>CICS/IMS VM TSO</u> | <u>2 S B</u> |
| PLANNING CONTROL & DECISION EVALUATION              | PLANCODE/I        | 5746-XX9           |          | 764         |             |             |             | GH19-1103           | CICS/DOS/V5            | 2 S B        |
| PROGRAMMING IN VS BASIC                             | BASICP            | 5798-DBX           |          | 285         |             |             |             | 12 GB21-2574        | IIS,IIPS               | 1 L H        |
| STAT / BASIC  |                   | 5734-XA3           |          | 55          |             |             |             | GH20-1027           | ITF(DOS/OS/TSO),VS     | 1 S C        |
| TSS ENHANCED SUPPORT II                             | RPQ-P09017        | 5799-AYX           |          | 3750        |             |             |             |                     | TSS/370,5799-AXA       | 1 S E        |
| <u>TSS ENHANCEMENTS</u>                             | <u>RPQ-P09010</u> | <u>5799-AXA</u>    |          | <u>5250</u> |             |             |             |                     | <u>TSS/370</u>         | <u>1 S E</u> |
| >TSS/370 ENHANCED SUPPORT III                       | RPQ-P09034        | 5799-BGA           |          | 9000        |             |             |             |                     | TSS/370                | 1 S E        |
| VIRTUAL STORAGE PERSONAL COMPUTING                  | VSPC              | 5740-XR6           |          | 1265        | 948         | 220         | 352         | GH20-9070           | MVS                    | 1 S K        |
| VIRTUAL STORAGE PERSONAL COMPUTING - V2             | VSPC              | 5665-283           |          | 1635        | 1225        | 160         | 256         | GH20-9192           | MVS                    | 1 S K        |
| VS/BASIC  | BASIC             | 5748-XX1           |          | 514         | 385         | 16          | 25          | GC28-8302           | TSO / CMS              | 1 S K        |
| <u>VSPC APL DI/I INTERFACE</u>                      |                   | <u>5785-FAL</u>    |          | <u>340</u>  |             |             |             | <u>12 GB21-2776</u> | <u>VSAPL WITH VSPC</u> | <u>1 S H</u> |
| VSPC CUSTOMIZED FOREGROUND FACILITY                 |                   | 5798-DEF           |          | 110         |             |             |             | 12 GB21-2733        | OS/V5                  | 1 S H        |
| VSPC FULL SCREEN EDITOR                             |                   | 5798-CTG           |          | 240         |             |             |             | 12 GB21-2227        | DOS/V5,OS/V5,VS APL    | 1 S H        |
| VSPC LIBRARY PRINT PROGRAM                          |                   | 5785-EAA           |          | 250         |             |             |             | 01 G320-5816        | MVS, VSPC              | 1 S H        |



TIME SHARING OPTION (TSO) GBOF-3331 DAPS 1431

| PROGRAM INFORMATION                       | SHORT NAME       | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>Y |
|---|------------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| AUTOMATIC PASSWORD GENERATION FOR TSO     |                  | 5796-PFR    |        | 80         |             |             |             |    | 12              | G320-5653                   |        |        | 1 S H  |
| >COBOL INTERACTIVE DEBUG TRAINING II      |                  | 5798-DFZ    |        | 995        |             |             |             |    | 01              | GB21-2825                   |        |        | 1 L H  |
| DCF FOREGROUND: CMS TSO ATMS III          |                  | 5748-XX9/02 |        | 53         |             |             |             |    |                 | GH20-9158                   |        |        | 1 S L  |
| FINANCIAL PLANNING SYSTEM - TSO           | SCRIPT-VS<br>FPS | 5798-CXP    |        | 352        |             |             |             |    | 12              | GB21-2335                   |        |        | 1 S H  |
| IMS APL DATA LINK FOR TSO                 |                  | 5796-PKM    |        | 442        |             |             |             |    |                 | G320-6065                   |        |        | 1 S E  |
| INTRODUCTION TO TSO                       | TSO1             | 5798-CKT    |        | 256        |             |             |             |    | 12              | GB21-1924                   |        |        | 1 L H  |
| LIST PROCESSOR 370                        | LISP/370         | 5796-PKL    |        | 1500       |             |             |             |    | 24              | G320-6061                   |        |        | 1 S H  |
| MVS PAGING SYSTEM - EXTENDED SWAP         |                  | 5796-PNW    |        | 145        |             |             |             |    | 12              | G320-6403                   |        |        | 1 S H  |
| PROGRAM FUNCTION KEY SIMULATOR FOR SPF-2  |                  | 5798-CTF    |        | 77         |             |             |             |    | 12              | GB21-2225                   |        |        | 1 S H  |
| STRUCTURED PROGRAMMING FACILITY / TSO     | SPF II TSO       | 5740-XT8    |        | 589        |             |             |             |    |                 | GH20-1974                   |        |        | 1 I B  |
| SYSTEM LOG DISPLAY AND SEARCH FACILITY    |                  | 5798-DAL    |        | 116        |             |             |             |    | 12              | GB21-2511                   |        |        | 1 S H  |
| SYSTEM PRODUCTIVITY FACILITY              | SPF              | 5668-009    |        | 226        | 169         | 36          | 58          |    |                 | GC34-2039                   |        |        | 1 S K  |
| TSO / JES2 BATCH DISPLAY FACILITY         |                  | 5798-CYE    |        | 60         |             |             |             |    | 12              | GB21-2373                   |        |        | 1 S H  |
| TSO ASSEMBLER PROMPTER                    |                  | 5734-CP2    |        | 29         |             |             |             |    |                 | GC33-4038                   |        |        | 1 S C  |
| TSO COBOL PROMPTER                        |                  | 5734-CP1    |        | 38         | 28          | 5           | 8           |    |                 | GC28-6454                   |        |        | 1 S K  |
| TSO COMMAND PACKAGE                       |                  | 5740-XT6    |        | 129        | 96          | 7           | 11          |    |                 | GC28-0746                   |        |        | 1 S K  |
| TSO COMMAND PROCESSOR                     |                  | 5798-AYF    |        | 90         |             |             |             |    | 12              | GB21-1122                   |        |        | 1 I H  |
| TSO DATA UTILITIES                        |                  | 5734-UT1    |        | 144        |             |             |             |    |                 | GH20-9057                   |        |        | 1 S C  |
| TSO DATA-SET PRINT                        |                  | 5798-CPF/01 |        | 200        |             |             |             |    | 24              | GB21-2069                   |        |        | 1 S H  |
| TSO DATA-SET PRINT - VTAM EXTENSIONS      |                  | 5798-CPF/02 |        | 76         |             |             |             |    | 12              | GB21-2069                   |        |        | 1 S H  |
| TSO EXTENDED DISPLAY SESSION MANAGER      | EDS-SM           | 5740-XE2    |        | 278        |             |             |             |    |                 | GC28-0911                   |        |        | 1 S B  |
| >TSO EXTENSIONS FOR MVS                   | TSO/E            | 5665-285    | P      | 425        | 326         | 65          | 104         |    |                 | GC28-1061                   |        |        | 2 S K  |
| >TSO EXTENSIONS FOR MVS/XA                | TSO/E            | 5665-293    | P      | 520        | 390         | 80          | 128         |    |                 | GC28-1061                   |        |        | 2 S K  |
| TSO FORTRAN PROMPTER                      |                  | 5734-CP3    |        | 32         |             |             |             |    |                 | GC28-6884                   |        |        | 1 S C  |
| TSO HOST DEVELOPMENT, TESTING 8100 COBOL  |                  | 5785-DCF    |        | 4000       |             |             |             |    | 01              | GB21-2570                   |        |        | 1 S H  |
| TSO PROGRAM DEVELOPMENT                   |                  | 5796-AGH    |        | 205        |             |             |             |    | 24              | G320-8114                   |        |        | 1 S H  |
| TSO PROGRAMMING CONTROL FACILITY II       | PCF II           | 5798-CLW    |        | 40         |             |             |             |    |                 | GB21-1987                   |        |        | 1 S E  |
| TSO V52 PROGRAMMING CONTROL FACILITY      |                  | 5798-BBJ    |        | 160        |             |             |             |    | 12              | GB21-1273                   |        |        | 1 S H  |
| TSO 3270 DISPLAY COPY SUPPORT             |                  | 5798-CHL    |        | 245        |             |             |             |    | 12              | GB21-1795                   |        |        | 1 S H  |
| >USING TSO EFFECTIVELY II                 |                  | 5798-DFX    |        | 995        |             |             |             |    | 01              | GB21-2818                   |        |        | 1 L H  |
| >VIRTUAL SYSTEM TIME SHARED I/O FOR VSAPL | VSTSI0           | 5798-DEN    | P      | 210        |             |             |             |    | 12              | GB21-2741                   |        |        | 1 S H  |
| VS APL FOR TSO                            |                  | 5796-ALB    |        | 103        |             |             |             |    | 24              | G320-5708                   |        |        | 1 S H  |
| 3270 FULL SCREEN TSO COBOL SUPPORT        |                  | 5796-ATK    |        | 130        |             |             |             |    | 12              | G320-6067                   |        |        | 1 S H  |

APL SUPPORT AND APPLICATIONS GBOF-3315 DAPS 1432

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| A DEPARTMENTAL REPORTING SYSTEM II       | ADRS-II    | 5796-PLN/01 |        | 152        |             |             |             |    | G320-6097       | VSAPL                       | 1      | I      | E      |
| A PROGRAMMING LANGUAGE - APL             | VSAPL      | 5748-APL    |        | 305        | 228         | 33          | 52          |    | GH20-9064       | CICS,VSPC,CMS,TSO           | 1      | S      | K      |
| >ADRS II BUSINESS GRAPHICS FEATURE       | 6029,6030  | 5796-PLN/03 |        | 85         |             |             |             |    | G320-6668       | VSAPL                       | 1      | I      | E      |
| APL CONTINUOUS SYSTEM MODELING           | CSMP       | 5785-KAE    |        | 95         |             |             |             | 24 | G320-6081       | VSAPL                       | 1      | S      | H      |
| APL COORDINATE GEOMETRY SYSTEM           |            | 5798-AGF    |        | 176        |             |             |             | 12 | GB21-0399       | APLSV,APL/CMS               | 1      | I      | H      |
| APL DATA INTERFACE - VERSION II          | APL/DI II  | 5796-PNG    |        | 264        |             |             |             |    | G320-6348       | VM/CMS WITH VSAPL           | 1      | S      | E      |
| >APL DATA INTERFACE II FOR TSO           | APL/DI II  | 5796-PNJ    |        | 250        |             |             |             |    | G320-6415       | TSO                         | 1      | S      | E      |
| APL DATA INTERFACE UNDER VSPC            | APL/DI     | 5796-PKB    |        | 240        |             |             |             | 24 | G320-5758       | VSPC WITH VSAPL             | 1      | S      | H      |
| APL DATA LANGUAGE                        |            | 5798-CHR    |        | 450        |             |             |             | 12 | GB21-1804       | OS/VS1-2,VM/CMS             | 1      | S      | H      |
| APL DECISION TABLE PROCESSOR & CODE GEN. |            | 5796-PJB    |        | 500        |             |             |             | 12 | G320-5738       | APLSV,VSAPL                 | 1      | S      | H      |
| APL ECONOMETRIC PLANNING LANGUAGE        | EPLAN      | 5796-PDW    |        | 224        |             |             |             | 12 | G320-5535       | APLSV                       | 1      | I      | H      |
| >APL FILE MANAGEMENT                     |            | 5798-DJK    |        | 1105       |             |             |             | 01 | GB21-2951       | VM/CMS                      | 1      | S      | H      |
| APL FORECASTING & TIME SERIES ANALYSIS   |            | 5796-PFX    |        | 382        |             |             |             | 12 | G320-5664       | APLSV,APL/CMS,VSAPL         | 1      | I      | H      |
| APL FUNCTION EDITOR FOR VS APL           |            | 5796-PGY    |        | 98         |             |             |             | 12 | G320-5689       | VSAPL                       | 1      | S      | H      |
| APL HANDBOOK OF TECHNIQUES WORKSPACE     |            | 5796-PLP    |        | 175        |             |             |             | 01 | G320-6153       | VS APL(5748AP1)             | 0      | L      | H      |
| APL INTERACTIVE TRAINING COURSE          |            | 5796-PJW    |        | 40         |             |             |             | 24 | G320-5812       | 5748-AP1                    | 1      | S      | H      |
| APL MULTIVARIATE TIME SERIES ANALYSIS    |            | 5796-PLX    |        | 400        |             |             |             | 12 | G320-6169       | VSAPL                       | 1      | I      | H      |
| >APL PERFORMANCE ANALYSIS TOOLS          |            | 5796-PPJ    |        | 90         |             |             |             | 12 | G320-6643       | TSO,CMS,VSPC,CICS           | 1      | S      | H      |
| APL STATISTICAL LIBRARY                  |            | 5796-PHW    |        | 240        |             |             |             | 12 | G320-5688       | VSAPL                       | 1      | I      | H      |
| APL SYSTEM EXTENSIONS                    |            | 5796-AZT    |        | 240        |             |             |             | 12 | G320-6394       | VM/CMS WITH VSAPL           | 1      | S      | H      |
| APL WORKSPACE STRUCTURE ANALYZER         |            | 5796-PNB    |        | 170        |             |             |             | 12 | G320-6170       | VSAPL                       | 1      | S      | H      |
| APL/DI FILE CREATE USING PL/I            |            | 5796-PKP    |        | 85         |             |             |             | 12 | G320-6066       | 5796-PJZ,-PKA,-PKB          | 1      | S      | H      |
| >BASIC GRAPHIC SUPPORT SYSTEM            | BGSS       | 5785-DCK    |        | 310        |             |             |             | 12 | G320-6659       | VM,VSAPL                    | 1      | S      | H      |
| >BASIC INTERACTIVE GRAPHIC APPL MONITOR  |            | 5785-DCJ    |        | 485        |             |             |             | 12 | G320-6659       | BGSS 5785-DCK               | 1      | S      | H      |
| EXTENDED EDITOR AND FULL SCREEN MANAGER  |            | 5796-PLY    |        | 68         |             |             |             |    | G320-6168       | VSAPL WITH VM, TSO          | 1      | S      | E      |
| FINANCIAL PLANNING SYSTEM - APL/CMS      | FPS        | 5798-CFX    |        | 395        |             |             |             | 12 | GB21-1705       | VM/CMS WITH APL/CMS         | 1      | I      | H      |
| FINANCIAL PLANNING SYSTEM - APLSV        | FPS        | 5798-BDE    |        | 345        |             |             |             | 12 | GB21-1339       | APLSV,APL/CMS               | 1      | I      | H      |
| FINANCIAL PLANNING SYSTEM - CICS / VSPC  | FPS        | 5798-DBA    |        | 300        |             |             |             | 12 | GB21-2538       | VSAPL W/ CICS,VSPC          | 1      | S      | H      |
| FINANCIAL PLANNING SYSTEM - TSO          | FPS        | 5798-CXP    |        | 352        |             |             |             | 12 | GB21-2335       | TSO WITH VSAPL              | 1      | S      | H      |
| FINANCIAL PLANNING SYSTEM II - VM/CMS    | FPS II     | 5798-DCN    |        | 200        |             |             |             |    | GB21-2622       | VM/CMS WITH VSAPL           | 1      | S      | E      |
| GENERAL CROSS ASSEMBLER GENERATOR        |            | 5796-PKD    |        | 550        |             |             |             | 12 | G320-5824       | APLSV, VSAPL                | 1      | S      | H      |
| GENERAL PURPOSE SIMULATION SYSTEM VSAPL  | GPSS-APL   | 5796-PJG    |        | 90         |             |             |             | 24 | G320-5745       | 5748-AP1                    | 1      | I      | H      |
| >GRAPHPAK FULL SCREEN INTERFACE          |            | 5796-PPH    |        | 65         |             |             |             | 12 | G320-6642       | OS/VS,VM,VSAPL              | 1      | S      | H      |
| GRAPHS AND HISTOGRAMS IN APL             |            | 5798-AGL    |        | 83         |             |             |             | 12 | GB21-0414       | APLSV,APL/CMS               | 1      | I      | H      |
| IMS APL DATA LINK FOR TSO                |            | 5796-PKW    |        | 442        |             |             |             |    | G320-6065       | TSO WITH VSAPL              | 1      | S      | E      |
| IMS APL DATA LINK FOR VM/CMS             |            | 5796-PLE    |        | 442        |             |             |             |    | G320-6098       | VM/CMS WITH VSAPL           | 1      | S      | E      |
| IMS APL DATA LINK FOR VSPC               |            | 5796-PLA    |        | 356        |             |             |             |    | G320-6054       | VSPC WITH VSAPL             | 1      | S      | E      |
| INTER-REGION ACCESS METHOD               |            | 5796-AYH    |        | 300        |             |             |             | 12 | G320-6335       | MVS WITH VSAPL              | 1      | S      | H      |
| INTERACTIVE CIRCUIT DESIGN               |            | 5796-PLR    |        | 862        |             |             |             | 24 | G320-6164       | VSAPL, APLSV                | 1      | S      | H      |
| >INTERFACING APL BASED PRODUCTS COURSE   |            | 5798-DHN    |        | 1190       |             |             |             | 01 | GB21-2914       | IIS, IIPS                   | 1      | L      | H      |

APL SUPPORT AND APPLICATIONS GBOF-3315 DAPS 1432 (CONT.)

| <u>PROGRAM INFORMATION</u>                  | <u>SHORT NAME</u> | <u>ORDER #</u>  | <u>T</u><br><u>C</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u><br><u>INFO</u> | <u>ENVIRONMENT</u><br><u>OR FEATURE #</u> | <u>T I S</u><br><u>P L Y</u> |
|---|-------------------|-----------------|----------------------|------------|-------------|-------------|-------------|-------------------------------|---|------------------------------|
| MINIPERT                                    |                   | 5734-XP3        |                      | 165        |             |             |             | GH20-4432                     | APLSV,APL/CMS                             | 1 I C                        |
| QBE TO ADRS II BRIDGE FEATURE               | 6027,6028         | 5796-PLN/02     |                      | 52         |             |             |             | G320-6097                     | 6027-6028                                 | 1 I E                        |
| >VIRTUAL SYSTEM TIME SHARED I/O FOR VSAPL   | VSTSIO            | 5798-DEN        | P                    | 210        |             |             | 12          | GB21-2741                     | TSO,VSAPL                                 | 1 S H                        |
| VS APL FOR TSO                              |                   | 5796-ALB        |                      | 103        |             |             | 24          | G320-5708                     | OS/VS2 SVS,OS/M                           | 1 S H                        |
| <u>VS APL VARIABLE CONVERSION PROCESSOR</u> |                   | <u>5798-DEH</u> |                      | <u>140</u> |             |             | <u>12</u>   | <u>GB21-2739</u>              | <u>VSAPL</u>                              | <u>1 S H</u>                 |
| VS TSIO FOR VSPC                            |                   | 5740-XR9        |                      | 319        |             |             |             | GH20-9064                     | VSAPL WITH VSPC                           | 1 S B                        |
| VSAPL ADVANCED STATISTICS LIBRARY           | STATLIB2          | 5796-PJT        |                      | 212        |             |             | 12          | G320-5811                     | VSAPL                                     | 1 I H                        |
| VSPC APL DL/I INTERFACE                     |                   | 5785-FAL        |                      | 340        |             |             | 12          | GB21-2776                     | VSAPL WITH VSPC                           | 1 S H                        |
| ZEROS AND INTEGRALS IN APL                  |                   | 5798-AGJ        |                      | 60         |             |             | 12          | GB21-0408                     | APLSV,APL/CMS                             | 1 I H                        |
| <u>3277 APL GRAPHICS ATTACHMENT SUPPORT</u> | <u>RPQ-P09014</u> | <u>5799-AXW</u> |                      | <u>84</u>  |             |             |             | <u>GH20-2146</u>              | <u>VSAPL:CMS,TSO,VSPC</u>                 | <u>1 S E</u>                 |
| 3277 GRAPHICS ATTACHMENT PLOTTER TABLET     |                   | 5798-DCE        |                      | 47         |             |             | 12          | GB21-2598                     | TSO,VM &5799-AXX/-W                       | 1 S H                        |

QUERY PROGRAMS AND SUPPORT GBOF-3333 DAPS 1433

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLD<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| A DEPARTMENTAL REPORTING SYSTEM II       | ADRS-II    | 5796-PLN/01 |        | 152        |             |             |             |    | G320-6097       | VSAPL                       | 1 I E          |
| >ADRS II BUSINESS GRAPHICS FEATURE       | 6029,6030  | 5796-PLN/03 |        | 85         |             |             |             |    | G320-6668       | VSAPL                       | 1 I E          |
| APL DATA INTERFACE - VERSION II          | APL/DI II  | 5796-PNG    |        | 264        |             |             |             |    | G320-6348       | VM/CMS WITH VSAPL           | 1 S E          |
| >APL DATA INTERFACE II FOR TSO           | APL/DI II  | 5796-PNJ    |        | 250        |             |             |             |    | G320-6415       | TSO                         | 1 S E          |
| APL DATA INTERFACE UNDER VSPC            | APL/DI     | 5796-PKB    |        | 240        |             |             |             | 24 | G320-5758       | VSPC WITH VSAPL             | 1 S H          |
| BATCH QUERY FACILITY                     |            | 5798-CBY    |        | 85         |             |             |             | 12 | GB21-1495       | DOS/VS                      | 0 I H          |
| >EVENT DRIVEN EXECUTIVE QUERY            | EDX QUERY  | 5719-XR1    | R      | 22         |             |             |             |    | GC34-0457       | SERIES/1                    | 1 S E          |
| >EXTENDED QUERY UTILITY - EQU5/32        |            | 5798-NKW    |        | 86         |             |             |             | 12 | GB30-0983       | SYSTEM/32                   | 1 S H          |
| >EXTENDED QUERY UTILITY-EQU5/3           |            | 5798-NKX    |        | 86         |             |             |             | 12 | GB30-0981       | SYSTEM/3                    | 1 S H          |
| GENERALIZED INFORMATION SYSTEM - GIS     | RPQ-8T0139 | 5799-ALX    |        | 589        |             |             |             |    | GH19-0082       | DOS/VS,DL/I                 | 1 S B          |
| GENERALIZED INFORMATION SYSTEM - VS      | GIS/VS     | 5740-XX7/01 |        | 1165       | 873         | 73          | 117         |    | GH20-9035       | OS/VS                       | 2 S K          |
| GIS/VS ADVANCED QUERY FEATURE            |            | 5740-XX7/02 |        | 363        | 272         | 23          | 37          |    | GH20-9035       | 6012-6014                   | 2 S K          |
| GIS/VS MODIFY FEATURE                    |            | 5740-XX7/04 |        | 181        | 135         | 11          | 18          |    | GH20-9035       | 6018-6020                   | 2 S K          |
| GIS/VS UPDATE & CREATE FEATURE           |            | 5740-XX7/03 |        | 767        | 575         | 47          | 75          |    | GH20-9035       | 6015-6017                   | 2 S K          |
| GIS/VS 3270 FORMATTING AID               |            | 5798-CQN    |        | 110        |             |             |             | 12 | GB21-2137       | GIS/VS WITH AQF             | 1 S H          |
| INTERACTIVE QUERY & REPORT PROCESSOR     | IQRP       | 5796-PDG    |        | 1360       |             |             |             | 24 | G320-1544       | OS/VSI,VS2                  | 1 S H          |
| IQF INTERACTIVE QUERY FACILITY FEATURE   | IMS/360    | 5734-XX6/03 |        | 352        |             |             |             |    | GH20-1074       | 6068-6070                   | 2 S C          |
| QBE TO ADRS II BRIDGE FEATURE            | 6027,6028  | 5796-PLN/02 |        | 52         |             |             |             |    | G320-6097       | 6027-6028                   | 1 I E          |
| QUERY BY EXAMPLE                         | QBE        | 5796-PKT    |        | 373        |             |             |             |    | G320-6062       | VM/CMS                      | 1 S E          |
| >QUERY FACILITY                          |            | 5798-ANB    |        | 55         |             |             |             | 12 | GB21-0770       | SYSTEM/3                    | 1 I H          |
| >QUERY FOR DIRECTLY ATTACH 3741          |            | 5798-NDJ    |        | 58         |             |             |             | 12 | GB21-0770       | SYSTEM/3                    | 1 I H          |
| >REALTIME PROGRAMMING SYSTEM QUERY       | RPS QUERY  | 5719-XR2    | R      | 22         |             |             |             |    | GC34-0457       | SERIES/1                    | 1 S E          |
| SQL / DATA SYSTEM - RELATIONAL STRUCTURE | SQL/DS     | 5748-XXJ    |        | 345        | 258         | 105         | 168         |    | GH24-5012       | DOS/VSE & VSE/VSAM          | 2 S K          |
| >TERMINAL SEARCH FACILITY                |            | 5798-NFD    |        | 81         |             |             |             | 06 | GB30-0797       | SYSTEM/3                    | 1 S H          |
| TSO / IQRP INTERFACE                     |            | 5796-PHZ    |        | 300        |             |             |             | 24 | G320-5719       | OS/VS2,TSO                  | 1 S H          |
| 3790 QUERY PROGRAM                       |            | 5798-CNR    |        | 80         |             |             |             | 12 | GB21-2035       |                             | 1 S H          |

| DOS/VS, DOS/VSE SCP, COMPILERS, UTILITIES, & AIDS |  |  |            |             |        |            |             |             |             | GBOF-3341 DAPS 1441 |                 |                             |        |        |        |  |  |  |  |
|---|--|--|------------|-------------|--------|------------|-------------|-------------|-------------|---------------------|-----------------|-----------------------------|--------|--------|--------|--|--|--|--|
| PROGRAM INFORMATION                               |  |  | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO                  | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |  |  |  |  |
| ACF / NETWORK CONTROL PROGRAM / VS                |  |  | ACF/NCP/VS | 5735-XX1    |        | 155        | 116         | 24          | 38          |                     | GC30-9533       | DOS/VS,DOS/VSE,OS/VS        | 2      | S      | K      |  |  |  |  |
| ACF VTAM ENTRY                                    |  |  | ACF/VTAME  | 5746-RC7    |        | 131        | 98          | 61          | 98          |                     | GC27-0438       | DOS/VSE,4331                | 2      | S      | K      |  |  |  |  |
| ACF/VTAM - DOS/VSE                                |  |  | VTAM       | 5746-RC3/01 |        | 134        | 100         | 42          | 67          |                     | GC27-0462       | DOS/VSE/AF                  | 2      | S      | K      |  |  |  |  |
| ACF/VTAM MULTISYSTEM NETWORKING FEATURE           |  |  | MSNF/VTAM  | 5746-RC3/02 |        | 254        | 190         | 127         | 203         |                     | GC27-0462       | 6059                        | 2      | S      | K      |  |  |  |  |
| BTAM SCP FOR BTAM-ES                              |  |  |            | 5747-C61    |        |            |             |             |             |                     |                 | DOS/VSE                     | 0      | S      | N      |  |  |  |  |
| BTAM-ES FOR DOS/VSE                               |  |  |            | 5746-RC5    |        | 32         | 24          | 5           | 8           |                     | GC38-0292       | DOS/VSE , BTAM-ES           | 1      | S      | K      |  |  |  |  |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF            |  |  |            | 5798-CVG    |        | 110        |             |             | 12          |                     | GB21-2344       | DOS/VSE,COBOL,SORT          | 1      | I      | H      |  |  |  |  |
| COBOL COMPILER & LIBRARY                          |  |  |            | 5746-CB1    |        | 157        | 117         | 12          | 19          |                     | GC28-6473       | DOS/VS                      | 1      | S      | K      |  |  |  |  |
| COBOL LIBRARY ONLY                                |  |  |            | 5746-LM4    |        | 29         | 21          | 5           | 8           |                     | GC28-6473       | DOS/VS                      | 1      | S      | K      |  |  |  |  |
| COBOL MAINTENANCE AID DOS                         |  |  |            | 5796-AHY    |        | 500        |             |             | 01          |                     | G320-8146       | DOS/VS                      | 1      | I      | H      |  |  |  |  |
| CONSOLE SPOOLING UNDER POWER/VS                   |  |  |            | 5798-CPQ    |        | 80         |             |             | 12          |                     | GB21-2084       | DOS/VS                      | 1      | S      | H      |  |  |  |  |
| DASD DEVICE INDEPENDENCE ROUTINES                 |  |  |            | 5798-ALK    |        | 55         |             |             | 24          |                     | GB21-0686       | DOS                         | 0      | I      | H      |  |  |  |  |
| DATA COMPRESSION / EXPANSION                      |  |  |            | 5798-ATB    |        | 97         |             |             | 01          |                     | GB21-0938       | DOS/OS                      | 0      | S      | H      |  |  |  |  |
| DATA INTERFILE TRANSFER, TESTING, OPERNS          |  |  | DITTO      | 5746-UT3    |        | 36         | 27          | 5           | 8           |                     | GH19-6072       | DOS/VSE                     | 1      | S      | K      |  |  |  |  |
| DATA RETRIEVAL MANIPULATION UTILITY               |  |  |            | 5798-DBC    |        | 48         |             |             | 12          |                     | GB21-2535       | DOS/VSE,DOS/VS              | 1      | I      | H      |  |  |  |  |
| DATA-SET CONVERSION AID DOS 3330 3340             |  |  |            | 5798-AMN    |        | 275        |             |             | 01          |                     | GB21-0740       | DOS                         | 0      | I      | H      |  |  |  |  |
| DISK WORK FILE MANAGER FOR DOS/VS                 |  |  |            | 5796-ANK    |        | 100        |             |             | 12          |                     | G320-5741       | DOS/VS                      | 1      | S      | H      |  |  |  |  |
| DITTO ENHANCEMENTS FOR DOS/VS REL 34              |  |  |            | 5798-CAF/02 |        | 150        |             |             | 01          |                     | GB21-2190       | 9027,9029                   | 1      | I      | H      |  |  |  |  |
| DOS / VIRTUAL STORAGE EXTENDED                    |  |  | DOS/VSE    | 5745-030    |        |            |             |             |             |                     | GC33-6108       |                             | 0      | S      | J      |  |  |  |  |
| DOS DITTO   |  |  |            | 5798-ARN/01 |        | 66         |             |             | 12          |                     | GB21-2190       | DOS                         | 1      | I      | H      |  |  |  |  |
| DOS DITTO ENHANCEMENTS                            |  |  |            | 5798-ARN/02 |        | 150        |             |             | 01          |                     | GB21-2190       | 9027,9029,9500-9501         | 1      | I      | H      |  |  |  |  |
| DOS DITTO EXTENSIONS FOR S/370                    |  |  |            | 5798-CAF/01 |        | 50         |             |             | 12          |                     | GB21-2190       | DOS/VS                      | 1      | I      | H      |  |  |  |  |
| DOS FORTRAN IV LIBRARY OPTION 1                   |  |  |            | 5746-LM3    |        | 38         | 28          | 5           | 8           |                     | GC28-6882       | DOS                         | 1      | S      | K      |  |  |  |  |
| DOS PL/I OPTIMIZING COMPILER                      |  |  |            | 5736-PL1    |        | 235        | 176         | 31          | 50          |                     | GC33-0004       | DOS,DOS/VS/VSE,CMS          | 1      | S      | K      |  |  |  |  |
| DOS PL/I OPTIMIZING COMPILER & LIBRARY            |  |  |            | 5736-PL3    |        | 322        | 241         | 41          | 66          |                     | GC33-0004       | DOS,DOS/VS/VSE,CMS          | 1      | S      | K      |  |  |  |  |
| DOS PL/I RESIDENT LIBRARY                         |  |  |            | 5736-LM4    |        | 55         | 41          | 5           | 8           |                     | GC33-0004       | DOS,DOS/VS/VSE,CMS          | 1      | S      | K      |  |  |  |  |
| DOS PL/I TRANSIENT LIBRARY RELEASE 6              |  |  |            | 5736-LM5    |        | 32         | 24          | 5           | 8           |                     | GC33-0004       | DOS,DOS/VS/VSE,CMS          | 1      | S      | K      |  |  |  |  |
| DOS RPG II  |  |  |            | 5736-RG1/01 |        | 94         |             |             |             |                     | GC21-5021       | DOS,DOS/VS                  | 1      | S      | C      |  |  |  |  |
| DOS RPG II AUTO REPORT FEATURE                    |  |  |            | 5736-RG1/02 |        | 25         |             |             |             |                     | GC21-5052       | 6017-6021,6035-6037         | 1      | S      | C      |  |  |  |  |
| DOS SORT MERGE                                    |  |  |            | 5743-SM1    |        | 43         |             |             |             |                     | GC33-4020       | DOS                         | 1      | S      | C      |  |  |  |  |
| DOS SOURCE STATEMENT LIBRARY MAINTENANCE          |  |  |            | 5798-AWD    |        | 70         |             |             | 06          |                     | GB21-0999       | DOS COBOL                   | 1      | I      | H      |  |  |  |  |
| DOS TYPE-I PROGRAMS RUNNING WITH DOS/VS           |  |  |            | 5731-AA1    |        |            |             |             |             |                     |                 |                             | 0      | S      | S      |  |  |  |  |
| DOS VIDEO/370 REVERSE EXTRACT II                  |  |  |            | 5798-DHD    | P      | 75         |             |             | 12          |                     | GB21-2893       | DOS/VSE                     | 1      | S      | H      |  |  |  |  |
| DOS/VS ADVANCED FUNCTIONS                         |  |  |            | 5746-XE2    |        | 189        | 141         | 55          | 88          |                     | GC33-6106       | DOS/VS                      | 1      | S      | K      |  |  |  |  |
| DOS/VS ASSEMBLER LABEL TRACE FACILITY             |  |  |            | 5798-AWJ    |        | 54         |             |             | 06          |                     | GB21-1008       | DOS/VS                      | 1      | S      | H      |  |  |  |  |
| DOS/VS CHAINED CCW PRINT SUBROUTINE               |  |  |            | 5796-ARH    |        | 350        |             |             | 01          |                     | G320-5828       | DOS/VS                      | 1      | S      | H      |  |  |  |  |
| DOS/VS DASD DEVICE INDEPENDENCE OPEN              |  |  | DI-OPEN    | 5798-AWH/01 |        | 43         |             |             | 24          |                     | GB21-1002       | DOS/VS                      | 0      | I      | H      |  |  |  |  |
| DOS/VS DASD DI-OPEN ENHANCEMENT                   |  |  |            | 5798-AWH/02 |        | 150        |             |             | 01          |                     | GB21-1002       | 9015                        | 0      | I      | H      |  |  |  |  |
| DOS/VS DASD SPACE UTILIZATION ANALYSIS            |  |  |            | 5798-CHW    |        | 64         |             |             | 12          |                     | GB21-1810       | DOS/VS                      | 1      | S      | H      |  |  |  |  |
| DOS/VS INTERACTIVE DEBUG FACILITY                 |  |  |            | 5798-CKF    |        | 90         |             |             | 12          |                     | GB21-1897       | DOS/VS                      | 1      | S      | H      |  |  |  |  |

DOS/V5, DOS/VSE SCP, COMPILERS, UTILITIES, & AIDS GBOF-3341 DAPS 1441 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| DOS/V5 LOADER                            |            | 5798-CKG    |        | 99         |             |             |             |    | GB21-1900       | DOS/V5                      | 1      | S      | E      |
| DOS/V5 SORT MERGE                        |            | 5746-SM1    |        | 68         |             |             |             |    | GC33-4030       | DOS/V5                      | 1      | S      | C      |
| DOS/V5 SORT MERGE VERSION 2              |            | 5746-SM2    |        | 101        | 76          | 11          | 18          |    | GC33-4043       | DOS/V5;VM/SP/CMS            | 1      | S      | K      |
| DOS/V5 SUPPORT FOR 3330 - 3333-11        | RPQ-EF4346 | 5799-HHZ    |        |            |             |             |             |    | GH20-4376       |                             | 0      | S      | C      |
| DOS/V5 SYSTEM PROGRAMMING AID            |            | 5796-ALX    |        | 195        |             |             |             | 12 | G320-5718       | DOS/V5,CICS/V5              | 1      | S      | H      |
| DOS/VSE DEVICE SUPPORT FACILITIES        | DSF        | 5747-DS2    |        |            |             |             |             |    | GC26-3946       | DIRECT ACCESS DEVICE        | 0      | S      | S      |
| DOS/VSE REMOTE JOB ENTRY WORKSTATION     | RJE        | 5746-RC9    |        | 103        |             |             |             |    | GH20-2199       | VSE 10 VM/CMS,OS/V5         | 1      | S      | B      |
| DOS/VSE SYSTEM IPO/E - BATCH INTERACTIVE | SIPO/E     | 5750-AAC    |        | *          | *           | *           | *           |    | GC20-1935       | DOS/VSE                     | *      | *      | *      |
| DOS/VSE SYSTEM IPO/E - DB/DC             | SIPO/E     | 5750-AAA    |        | *          | *           | *           | *           |    | GC20-1935       | DOS/VSE                     | *      | *      | *      |
| DOS/VSE SYSTEM IPO/E - DC                | SIPO/E     | 5750-AAB    |        | *          | *           | *           | *           |    | GC20-1935       | DOS/VSE                     | *      | *      | *      |
| DOWNSTREAM LOAD UTILITY                  | DSLU       | 5668-006    |        | 93         | 69          | 5           | 8           |    | GC33-6125       | DOS/VSE,OS/V51              | 1      | S      | K      |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST | ELIAS-I    | 5746-XXV    |        | 188        | 141         | 13          | 21          |    | GH19-6218       | DOS/VSE,CICS/V5,DL/I        | 1      | S      | K      |
| EP/V5 - 3704 / 3705 EMULATOR SUPPORT     |            | 5747-AG1    |        |            |             |             |             |    | GC30-3008       | DOS/V5,DOS/VSE              | 0      | S      | J      |
| ETSS/II LIBRARY INTERFACE TO POWER/V5    |            | 5798-CYZ    |        | 75         |             |             |             | 12 | GB21-2411       | DOS/V5                      | 1      | S      | H      |
| ETSS/II PROGRAMMING AID                  |            | 5798-CYV    |        | 65         |             |             |             | 12 | GB21-2408       | DOS/V5,DOS/VSE              | 1      | I      | H      |
| EXTENDING SEQUENTIAL DISK FILES          |            | 5798-CBN    |        | 64         |             |             |             | 12 | GB21-1456       | DOS/V5                      | 1      | I      | H      |
| FILE TRANSFER PROGRAM                    | FTP        | 5748-XE6    |        | 42         | 31          | 5           | 8           |    | GH12-5129       | DOS/VSE OS/V5               | 1      | S      | K      |
| GENERAL PURPOSE TAPE AND DISK SCANS      |            | 5796-AGY    |        | 300        |             |             |             | 01 | G320-8166       | DOS/V5                      | 1      | S      | H      |
| GENERAL PURPOSE UTILITIES                |            | 5796-AGE    |        | 440        |             |             |             | 01 | G320-8111       | DOS/V5                      | 1      | I      | H      |
| GENERALIZED PERFORMANCE ANALYSIS REPORT  | GPAP/DOS   | 5798-DAA    |        | 46         |             |             |             |    | GB21-2491       | DOS/VSE                     | 1      | S      | E      |
| >HONEYWELL COBOL TO IBM COBOL CONVERSION |            | 5785-JAA    |        | 3000       |             |             |             | 01 | GB21-2858       | OS/V5,DOS/VSE,VM/370        | 0      | S      | H      |
| >ICCF LIBRARY SCAN                       |            | 5796-PQB    |        | 50         |             |             |             | 12 | G320-6630       | DOS/VSE,ICCF                | 1      | S      | H      |
| INCIDENT REPORTING AND TRACKING SYSTEM   |            | 5798-CNP    |        | 125        |             |             |             | 12 | GB21-2047       | DOS/V5                      | 1      | S      | H      |
| INFORMATION / MVS - VSE - VM             | INFO/SYS   | 5735-OZS/02 |        | 221        |             |             |             |    | GC34-2053       | 6052                        | 1      | S      | C      |
| INFORMATION / SYSTEM - OZS               | INFO/SYS   | 5735-OZS/01 |        | 55         | 41          | 7           | 11          |    | GC34-2053       | MVS,VSE,VM                  | 1      | S      | K      |
| >INFORMATION / VM - VSE                  | INFO/VMVSE | 5735-OZS/05 |        | 110        |             |             |             |    | GC34-2069       | 6053                        | 1      | S      | C      |
| INTERACTIVE COMPUTING CONTROL FACILITY   | ICCF       | 5746-TS1    |        | 97         | 72          | 22          | 35          |    | GC33-6066       | DOS/VSE                     | 1      | S      | K      |
| INTERACTIVE PRODUCTIVITY FACILITY        | IPF        | 5748-MS1    |        | 41         | 30          | 5           | 8           |    | GH20-2492       | DOS/VSE,VM/SP,SIPO/E        | 1      | S      | K      |
| >INTRODUCTION TO VSE/ICCF                |            | 5798-DDX    |        | 55         |             |             |             | 12 | GB21-2709       | 11S,11PS                    | 1      | L      | H      |
| JOB DOCUMENTATION AND OPERATIONS SETUP   |            | 5796-AYT    |        | 80         |             |             |             | 12 | G320-6340       | DOS/VSE                     | 1      | S      | H      |
| JOB ENTRY PROGRAM                        | JEP        | 5746-XE6    |        | 194        | 145         | 28          | 45          |    | GH12-5129       | DOS/VSE                     | 1      | S      | K      |
| NCR NEAT/3 TO COBOL CONVERSION AID       |            | 5798-CZC    |        | 995        |             |             |             | 01 | GB21-2420       | DOS/V5                      | 0      | I      | H      |
| NETWORK CONTROL PROGRAM - SCP            | NCP/SSP    | 5747-CH1/01 |        |            |             |             |             |    | GC30-9531       | 3704.3705                   | 0      | S      | J      |
| NETWORK CONTROL PROGRAM EP/V5 FEATURE    | NCP/SSP    | 5747-CH1/02 |        |            |             |             |             |    | GC30-9531       | 6004                        | 0      | S      | J      |
| OPERATOR COMMUNICATIONS CONTROL FACILITY | OCCF       | 5746-XC5    |        | 116        | 87          | 10          | 16          |    | GC33-6113       | DOS/VSE                     | 1      | S      | K      |
| POWER/V5 CHARGE-BACK SYSTEM              |            | 5796-AQJ    |        | 100        |             |             |             | 12 | G320-5809       | DOS/V5                      | 1      | S      | H      |
| RPG II ANALYSIS AND DOCUMENTATION AID    |            | 5798-CDL    |        | 300        |             |             |             | 01 | GB21-1566       | DOS/V5                      | 0      | I      | H      |
| RPG II COMPILER                          |            | 5746-RG1    |        | 131        | 98          | 5           | 8           |    | GC33-6120       | DOS/V5                      | 1      | I      | K      |
| S/3 RPG II CONVERSION PREPROCESSOR       |            | 5735-CV1    |        | 660        |             |             |             | 01 | GH20-4532       | S/3,DOS/V5                  | 0      | I      | C      |
| S/3 TO DOS RPG II CONVERSION AID         |            | 5798-CAA    |        | 400        |             |             |             | 01 | GB21-1389       | DOS/V5                      | 0      | I      | H      |

| DOS/V5, DOS/V5E SCP, COMPILERS, UTILITIES, & AIDS |  |            |               |   |      |      |      |      |         |           | GBOF-3341 DAPS 1441 (CONT.) |           |   |   |   |  |  |  |  |  |  |
|---|--|------------|---------------|---|------|------|------|------|---------|-----------|-----------------------------|-----------|---|---|---|--|--|--|--|--|--|
| PROGRAM INFORMATION                               |  | SHORT NAME | ORDER #       | T | LIC  | DSLO | LLPS | MLPS | GENERAL |           | ENVIRONMENT                 |           | T | I | S |  |  |  |  |  |  |
|   |  |            |               | C | FEE  | FEE  | FEE  | FEE  | MO      | INFO      | DR                          | FEATURE # | P | L | V |  |  |  |  |  |  |
| S/3 TO S/370 NUMERIC FIELD EDIT                   |  |            | 5798-CZD      |   | 650  |      |      |      | 01      | GB21-2423 | DOS/V5                      |           | 0 | I | H |  |  |  |  |  |  |
| >SMALL SYSTEM EXECUTIVE/V5E                       |  | SSX/V5E    | 5666-265      | R | 1000 | 750  | 90   | 144  |         | GC33-6143 |                             |           | 2 | S | K |  |  |  |  |  |  |
| SQL / DATA SYSTEM - RELATIONAL STRUCTURE          |  | SQL/DS     | 5748-XXJ      |   | 345  | 258  | 105  | 168  |         | GH24-5012 | DOS/V5E & V5E/VSAM          |           | 2 | S | K |  |  |  |  |  |  |
| >SSX/V5E DL/I                                     |  |            | 5666-275      |   | 372  | 279  | 110  | 176  |         | GC33-6143 | SSX/V5E                     |           | 2 | S | K |  |  |  |  |  |  |
| >SSX/V5E PL/I OPTIMIZER & LIBRARY                 |  |            | 5666-276      |   | 322  | 241  | 41   | 66   |         | GC33-6143 | SSX/V5E                     |           | 1 | S | K |  |  |  |  |  |  |
| >SSX/V5E PL/I TRANSIENT LIBRARY                   |  |            | 5666-277      |   | 32   | 24   | 5    | 8    |         | GC33-6143 | SSX/V5E                     |           | 1 | S | K |  |  |  |  |  |  |
| >SSX/V5E RPG II COMPILER                          |  |            | 5666-274      |   | 131  | 98   | 5    | 8    |         | GC33-6143 | SSX/V5E                     |           | 1 | S | K |  |  |  |  |  |  |
| SUBSYSTEM SUPPORT SERVICES                        |  | SSS        | 5747-CC6      |   | 57   |      |      |      |         | GC30-3022 | DOS/V5                      |           | 0 | S | N |  |  |  |  |  |  |
| >SYSTEM ERROR MANAGEMENT FACILITY                 |  |            | 5798-DGD      |   | 55   |      |      |      |         | GB21-2834 | DOS/V5E, CICS/V5            |           | 1 | S | E |  |  |  |  |  |  |
| TAPE AUTOMATION - PRODUCTION ENVIRONMENT          |  |            | 5798-DGB      |   | 200  |      |      |      | 12      | GB21-2828 | DOS/V5E                     |           | 1 | S | H |  |  |  |  |  |  |
| TERMINAL CONTROL FOR ETSS                         |  |            | 5798-C6C      |   | 85   |      |      |      | 12      | GB21-1683 | DOS/V5                      |           | 1 | S | H |  |  |  |  |  |  |
| TERMINAL CONTROL PROGRAM FOR ETSS/II              |  |            | 5798-CRX      |   | 85   |      |      |      |         | GB21-2211 | DOS/V5, 5798-CLR            |           | 1 | S | E |  |  |  |  |  |  |
| VIDEO/370 V5E/VSAM SUPPORT                        |  |            | 5798-DFK      |   | 85   |      |      |      | 12      | GB21-2800 | 5736-RC3/02 DOS/V5E         |           | 1 | S | H |  |  |  |  |  |  |
| V5 FORTRAN COMPILER & LIBRARY                     |  |            | 5748-F03      |   | 212  | 159  | 15   | 24   |         | GC26-3983 | OS/V5, DOS/V5E, VM/CMS      |           | 1 | S | K |  |  |  |  |  |  |
| V5 FORTRAN LIBRARY                                |  |            | 5748-LM3      |   | 63   | 47   | 5    | 8    |         | GC26-3983 | OS/V5, DOS/V5E, VM/CMS      |           | 1 | S | K |  |  |  |  |  |  |
| VSAM ACCESS SUBROUTINES                           |  |            | 5796-AJX      |   | 607  |      |      |      | 01      | G320-8161 | DOS/V5                      |           | 1 | S | H |  |  |  |  |  |  |
| VSAM CATALOG LIST DOS/V5                          |  |            | 5796-ALQ      |   | 70   |      |      |      | 12      | G320-5716 | DOS/V5                      |           | 1 | I | H |  |  |  |  |  |  |
| VSAM OPERATIONS UTILITY                           |  |            | 5798-CYR      |   | 150  |      |      |      | 12      | GB21-2393 | DOS/V5, DOS/V5E             |           | 1 | S | H |  |  |  |  |  |  |
| VSAMZAP FOR DOS/V5                                |  |            | 5796-PKG      |   | 60   |      |      |      | 12      | G320-5826 | DOS/V5                      |           | 1 | I | H |  |  |  |  |  |  |
| V5E / CENTRAL CONTROL FACILITY                    |  | CCF        | 5798-DCZ      |   | 207  |      |      |      |         | GB21-2663 | DOS/V5E                     |           | 1 | S | E |  |  |  |  |  |  |
| V5E ACCESS CONTROL LOGGING                        |  |            | 5746-XE7      |   | 48   | 36   | 17   | 28   |         | GH12-5130 | DOS/V5E                     |           | 1 | S | K |  |  |  |  |  |  |
| V5E ADVANCED FUNCTIONS                            |  | V5E/AF     | 5746-XE8      |   | 180  | 135  | 48   | 76   |         | GC33-6108 | DOS/V5E                     |           | 1 | S | K |  |  |  |  |  |  |
| V5E FAST COPY DATA-SET PROGRAM                    |  |            | 5746-AM4      |   | 417  |      |      |      | 01      | GC33-6081 | DOS/V5E                     |           | 1 | S | L |  |  |  |  |  |  |
| V5E INTERACTIVE PROBLEM CONTROL                   |  | IPCS       | 5746-SA1      |   | 31   | 23   | 5    | 8    |         | GC34-2017 | DOS/V5E                     |           | 1 | S | K |  |  |  |  |  |  |
| V5E PERFORMANCE TOOL                              |  | V5E/PT     | 5796-PLQ      |   | 201  |      |      |      |         | G320-6155 | DOS/V5, DOS/V5E             |           | 1 | S | E |  |  |  |  |  |  |
| V5E S/3 3340 DATA IMPORT                          |  |            | 5746-AM3      |   | 1320 |      |      |      | 01      | GC33-6062 | DOS/V5E VSAM                |           | 0 | S | C |  |  |  |  |  |  |
| V5E SYSTEM IPO/E CICS INSTALLATION AID            |  |            | 5798-DFB      |   | 615  |      |      |      | 01      | GB21-2778 | DOS/V5E CICS ICCF           |           | 0 | S | H |  |  |  |  |  |  |
| V5E VSAM  |  | V5E/VSAM   | 5746-AM2/01   |   | 55   | 41   | 18   | 29   |         | GC24-5143 | DOS/V5E                     |           | 1 | S | K |  |  |  |  |  |  |
| V5E VSAM FAST BACKUP RESTORE FEATURE              |  | V5E/VSAM   | 5746-AM2/03   |   | 24   | 18   | 5    | 8    |         | GC24-5190 | 6090-6091                   |           | 1 | S | K |  |  |  |  |  |  |
| V5E VSAM SPACE MANAGEMENT FOR SAM                 |  | V5E/VSAM   | 5746-AM2/02   |   | 32   | 24   | 7    | 11   |         | GC24-5143 | 6073-6074                   |           | 1 | S | K |  |  |  |  |  |  |
| V5E 3270 BISYNC PASS THROUGH                      |  |            | 5746-AM5      |   | 159  |      |      |      |         | GH20-2403 | DOS/V5E CICS/V5             |           | 1 | S | B |  |  |  |  |  |  |
| >V5E/ICCF AUTOMATED LIBRARY MANAGER               |  |            | 5798-DJR      |   | 330  |      |      |      | 01      | GB21-2956 | DOS/V5E ICCF                |           | 1 | S | H |  |  |  |  |  |  |
| V5E/POWER   |  | POWER      | 5746-XE3/01   |   | 51   | 38   | 13   | 20   |         | GH12-5131 | DOS/V5E                     |           | 1 | S | K |  |  |  |  |  |  |
| V5E/POWER REMOTE JOB ENTRY                        |  | POWER/RJE  | 5746-XE3/02   |   | 89   | 66   | 18   | 29   |         | GH12-5131 | 6067-6071                   |           | 1 | S | K |  |  |  |  |  |  |
| >V5E/POWER SHARED SPOOLING                        |  | POWER      | 5666-273/02   |   | 38   | 28   | 7    | 11   |         | GH12-5131 |                             |           | 1 | S | K |  |  |  |  |  |  |
| V5E/POWER SHARED SPOOLING                         |  | POWER      | 5746-XE3/03   |   | 38   | 28   | 7    | 11   |         | GH12-5131 | 6075-6079                   |           | 1 | S | K |  |  |  |  |  |  |
| >V5E/POWER VERSION 2                              |  | POWER      | 5666-273/01 P |   | 100  | 75   | 20   | 32   |         | GH12-5131 | DOS/V5E, V5E/AF             |           | 1 | S | K |  |  |  |  |  |  |
| V5PC FORTRAN                                      |  |            | 5748-F02      |   | 507  | 380  | 38   | 61   |         | GH20-9061 | DOS/V5, OS/V51, MVS         |           | 1 | S | K |  |  |  |  |  |  |
| VTAM SCP ACF/VTAM                                 |  | ACF/VTAM   | 5747-CF1      |   |      |      |      |      |         | GC27-0459 | DOS/V5E                     |           | 0 | S | N |  |  |  |  |  |  |
| VTAM SCP FOR ACF/VTAME                            |  |            | 5747-C62      |   |      |      |      |      |         | GC27-0440 | DOS/V5E                     |           | 0 | S | N |  |  |  |  |  |  |

| <u>DOS/VS, DOS/VSE SCP, COMPILERS, UTILITIES, &amp; AIDS</u> |                   |                |          |          |            |             |             |             |           |                     |                                 |              |
|--|-------------------|----------------|----------|----------|------------|-------------|-------------|-------------|-----------|---------------------|---------------------------------|--------------|
| GBOF-3341 DAPS 1441 (CONT.)                                  |                   |                |          |          |            |             |             |             |           |                     |                                 |              |
| <u>PROGRAM INFORMATION</u>                                   | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>C</u> | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S</u> |
|  |                   |                |          |          | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  |           |                     |                                 | <u>P I V</u> |
| 1130 FORTRAN COMMERCIAL SUBROUTINES                          |                   | 5798-BCT       |          |          | 73         |             |             |             | 12        | GB21-1318           | DOS/VS                          | 1 S H        |
| 1400 COMPATIBILITY ACCESS ROUTINE                            |                   | 5798-CDB       |          |          | 500        |             |             |             | 01        | GB21-1546           | DOS/VS                          | 1 I H        |
| 3270 FORMAT MACRO FOR OUTPUT DATA STREAM                     |                   | 5798-AKL       |          |          | 27         |             |             |             | 12        | GB21-0620           | DOS/VS                          | 1 S H        |
| 3890 DOS/VS CYCLE SORT                                       |                   | 5798-CQX       |          |          | 408        |             |             |             | 12        | GB21-2165           | DOS/VS, 5798-BDC                | 1 S H        |



OS/V5 SCP, COMPILERS, UTILITIES, & AIDS GBOF-3342 DAPS 1442

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MQ | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| ACF / NETWORK CONTROL PROGRAM / VS       | ACF/NCP/VS | 5735-XX1 |        | 155        | 116         | 24          | 38          |    | GC30-9533       | DOS/V5,DOS/VSE,OS/V5        | 2      | S      | K      |
| AMS CRYPTOGRAPHIC OPTION                 |            | 5740-AM8 |        | 72         | 54          | 5           | 8           |    | GC28-1015       | OS/V51,MVS                  | 1      | S      | K      |
| BATCH TRANSFER PROGRAM                   | BTP        | 5744-CG1 |        |            |             |             |             |    | GC33-5901       | OS/V51                      | 0      | S      | C      |
| BATCH TRANSFER PROGRAM                   | BTP        | 5744-CH1 |        |            |             |             |             |    | GC33-5901       | SVS                         | 0      | S      | C      |
| CAPACITY PLANNING EXTENDED               | CPX        | 5798-CYW |        | 143        |             |             |             |    | GB21-2391       | OS/V5,5798-CPR              | 1      | I      | E      |
| >CHAINED JOBS SCHEDULING                 |            | 5785-GAK |        | 858        |             |             |             | 12 | GB21-2869       | OS/V51,OS/MVS JES2          | 1      | S      | H      |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   |            | 5798-CXW |        | 110        |             |             |             | 12 | GB21-2344       | OS/V5,COBOL, SORT           | 1      | I      | H      |
| COBOL MAINTENANCE AID OS                 |            | 5796-AHZ |        | 500        |             |             |             | 01 | G320-8146       | OS/V5                       | 1      | I      | H      |
| CODE AND GO FORTRAN                      |            | 5734-F01 |        | 302        |             |             |             |    | GC28-6884       | OS/TSO/CMS                  | 1      | S      | C      |
| DASD SEEK SIMULATOR                      |            | 5798-CTD |        | 125        |             |             |             | 12 | GB21-2217       | OS/V5                       | 1      | I      | H      |
| DATA FACILITY DATA SET SERVICES          | DFDSS      | 5740-UT3 |        | 67         | 50          | 17          | 27          |    | GC26-3947       | OS/V51,MVS                  | 1      | S      | K      |
| DATA FACILITY / DEVICE SUPPORT           | DFDS       | 5740-AM6 |        | 66         | 49          | 18          | 29          |    | GC26-3954       | OS/V51,5662-257             | 1      | S      | K      |
| DATA-SET MIGRATION AND PLANNING AID      |            | 5798-DCK |        | 145        |             |             |             | 12 | GB21-2614       | OS/V5                       | 1      | S      | H      |
| DIRECT ACCESS STORAGE CONVERSION AID     |            | 5798-CLQ |        | 2250       |             |             |             | 01 | GB21-1990       | OS/V5                       | 0      | S      | H      |
| DIRECT ACCESS STORAGE DUMP RESTORE       | DASDR      | 5740-UT1 |        | 157        |             |             |             |    | GH20-9116       | OS/V51,OS/V52,OS/MFT        | 1      | S      | C      |
| DISK VOLUME MAP                          |            | 5796-PFL |        | 70         |             |             |             | 12 | G320-5550       | OS/MVT/MFT,OS/V5            | 1      | I      | H      |
| DISKETTE COPY PROGRAM                    |            | 5744-BJ1 |        |            |             |             |             |    | GC24-5109       | OS/V51                      | 0      | S      | C      |
| DOWNSTREAM LOAD UTILITY                  | DSLUI      | 5668-006 |        | 93         | 69          | 5           | 8           |    | GC33-6125       | DOS/VSE,OS/V51              | 1      | S      | K      |
| FILE TRANSFER PROGRAM                    | FTP        | 5748-XE6 |        | 42         | 31          | 5           | 8           |    | GH12-5129       | DOS/VSE OS/V5               | 1      | S      | K      |
| FORTRAN CONVERSION AID                   |            | 5796-PFG |        | 5000       |             |             |             | 01 | G320-8154       | OS/V5,VM/CMS                | 1      | I      | H      |
| FORTRAN H EXTENDED OPTIMIZATION ENHANCED |            | 5796-PKR |        | 128        |             |             |             |    | G320-6064       | OS/V5, VM/CMS               | 1      | S      | E      |
| GENERAL PERFORMANCE ANALYSIS REPORTING   | GPAP       | 5798-CPR |        | 64         |             |             |             |    | GB21-2091       | OS/V51, MVS, SVS            | 1      | I      | E      |
| GENERALIZED TRACE FACILITY ANALYSIS      | GTFPARS    | 5798-CQQ |        | 72         |             |             |             |    | GB21-2142       | OS/V5, 5798-CPR             | 1      | I      | E      |
| GLOBAL SHARED ACCESS METHOD              | GSAM       | 5796-ATX |        | 300        |             |             | 24          |    | G320-6083       | OS/V52, SU7                 | 1      | S      | H      |
| >HONEYWELL COBOL TO IBM COBOL CONVERSION |            | 5785-JAA |        | 3000       |             |             |             | 01 | GB21-2858       | OS/V5,DOS/VSE,VM/370        | 0      | S      | H      |
| JOB CONTROL LANGUAGE EDITOR              |            | 5796-PDC |        | 148        |             |             |             | 06 | G320-1542       | OS/MFT,MVT,V51,V52          | 1      | S      | H      |
| >LEARNING TO CODE OS/V5 JCL              |            | 5798-DAJ |        | 95         |             |             |             | 12 | GB21-2508       | IIS,IIPS                    | 1      | L      | H      |
| OPERATING SYSTEM / VIRTUAL STORAGE 2     | SVS        | 5742-017 |        |            |             |             |             |    | GC28-0601       |                             | 0      | S      | C      |
| >OS ASSEMBLER H                          |            | 5668-962 | P      | 145        | 108         | 5           | 8           |    |                 | OS/V5,MVS/XA,VM/SP          | 1      | S      | K      |
| OS ASSEMBLER H                           |            | 5734-AS1 |        | 247        |             |             |             |    | GC26-3758       | MFT/MVT/V51/MVS             | 1      | S      | C      |
| OS DITTO                                 |            | 5798-ARD |        | 65         |             |             |             | 12 | GB21-0857       | OS                          | 1      | I      | H      |
| OS DITTO EXTENSIONS                      |            | 5798-CDA |        | 100        |             |             |             | 12 | GB21-1549       | OS                          | 1      | I      | H      |
| OS FORTRAN IV (G)                        |            | 5734-F02 |        | 92         | 69          | 8           | 13          |    | GC28-6884       | OS/TSO/CMS                  | 1      | S      | K      |
| OS FORTRAN IV (H EXTENDED) COMPILER      |            | 5734-F03 |        | 399        | 299         | 14          | 22          |    | GC28-6884       | OS/MFT/MVT/V5/CMS           | 1      | S      | K      |
| OS FORTRAN IV LIBRARY (MOD II)           |            | 5734-LM3 |        | 123        | 92          | 14          | 22          |    | GC28-6884       | OS/MFT/MVT/V5/CMS           | 1      | S      | K      |
| OS PL/I CHECKOUT COMPILER                |            | 5734-PL2 |        | 538        | 403         | 5           | 8           |    | GC33-0003       | OS/MFT/MVT/V5/CMS           | 1      | S      | K      |
| OS PL/I OPTIMIZING COMPILER              |            | 5734-PL1 |        | 252        | 189         | 31          | 50          |    | GC33-0001       | OS/V5,MFT/MVT,CMS           | 1      | S      | K      |
| OS PL/I OPTIMIZING COMPILER & LIBRARY    |            | 5734-PL3 |        | 339        | 254         | 41          | 66          |    | GC33-0001       | OS/V5,MFT/MVT,CMS           | 1      | S      | K      |
| OS PL/I RESIDENT LIBRARY                 |            | 5734-LM4 |        | 55         | 41          | 5           | 8           |    | GC33-0001       | OS/V5,MFT/MVT,CMS           | 1      | S      | K      |
| OS PL/I TRANSIENT LIBRARY                |            | 5734-LM5 |        | 32         | 24          | 5           | 8           |    | GC33-0001       | OS/V5,MFT/MVT,CMS           | 1      | S      | K      |

OS/V5 SCP, COMPILERS, UTILITIES, & AIDS GBOF-3342 DAPS 1442 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT          | T I S |
|--|------------|-------------|---|------|------|------|------|-----------|----------------------|-------|
|  |            |             | C | FREE | FREE | FREE | FREE | INFO      | OR FEATURE #         | P L V |
| OS SORT / MERGE                          |            | 5734-SM1    |   | 66   |      |      |      | GC33-4022 | OS/MFT/MVT/V5        | 1 S C |
| OS/V5 CAPACITY MANAGEMENT AID            |            | 5798-CJB    |   | 157  |      |      | 12   | GB21-1834 | OS/V51,VS2           | 1 S H |
| OS/V5 COBOL COMPILER & LIBRARY           |            | 5740-CB1    |   | 311  | 233  | 12   | 19   | GC28-6470 | OS/V5                | 1 S K |
| OS/V5 COBOL LIBRARY                      |            | 5740-LM1    |   | 101  | 75   | 5    | 8    | GC28-6470 | OS/V5                | 1 S K |
| OS/V5 DATA-SET EDITOR                    |            | 5798-CXQ    |   | 100  |      |      | 12   | GB21-2350 | OS/V5                | 1 S H |
| >OS/V5 RPG II COMPILER                   |            | 5740-RG1    | P | 180  | 135  | 10   | 16   | GC33-6120 | OS/V5                | 1 S K |
| OS/V5 SORT MERGE                         |            | 5740-SM1    |   | 231  | 173  | 16   | 26   | GC33-4033 | OS/V5                | 1 S K |
| OS/V51 BASIC PROGRAMMING EXTENSIONS      | BASIC      | 5662-257    |   | 189  | 141  | 35   | 56   | GC24-5218 | OS/V51 REL 7         | 1 S K |
| OS/V51 DISTRIBUTED WORKSTATION SUPPORT   | IDWS       | 5740-XYE    |   | 131  | 98   | 27   | 43   | GC24-5193 | OS/V51               | 1 S K |
| OS/V51 PERFORMANCE TOOL                  | VS1PT      | 5796-PGL    |   | 345  |      |      |      | G320-5680 | OS/V51               | 1 S E |
| OS/V51 PRIORITY QUEUE AGING PROCESSOR    |            | 5796-ARG    |   | 85   |      |      | 12   | G320-6050 | OS/V51               | 1 S H |
| OS/V51 RELEASE 7                         |            | 5652-VS1    |   |      |      |      |      | GC30-3057 | OS/V51 RELEASE 7     | 2 S J |
| PL/I LANGUAGE CONSTRUCTION PREPROCESSOR  |            | 5796-PLL    |   | 140  |      |      | 12   | G320-6096 | OS/V5, VM/CMS        | 1 S H |
| SERVICE LEVEL REPORTER                   | SLR        | 5740-DC3    |   | 507  | 380  | 43   | 68   | GH19-6169 | OS/V5                | 1 I K |
| SMF GRAPHICAL ANALYSIS PROGRAM           |            | 5796-AFP    |   | 200  |      |      | 12   | G320-8127 | VS1,VS2,MFT,MVT      | 1 I H |
| SMF JOB DATA COMPRESSION AID             | JDCA       | 5796-PHN    |   | 132  |      |      |      | G320-5714 | OS, OS/V5            | 1 I E |
| SOURCE COMPARE AUDIT UTILITY             | SUPER-C    | 5796-PLZ    |   | 100  |      |      | 24   | G320-6163 | VS1 VM/CMS MVS       | 1 I H |
| STRUCTURED PROGRAMMING MACROS            |            | 5798-CLF    |   | 55   |      |      | 12   | GB21-1957 | ASSEMBLERS           | 1 S H |
| >SYSTEM ERROR MANAGEMENT FACILITY        |            | 5798-DGE    |   | 65   |      |      |      | GB21-2836 | OS/V5,CICS/V5        | 1 S E |
| SYSTEM IPD FOR OS/V51 REL 7              |            | 5750-AA8    |   | *    | *    | *    | *    | GC20-1861 |                      | * * * |
| SYSTEM SUPPORT SERVICES                  | SSS        | 5744-CJ1    |   |      |      |      |      | GC30-3022 | SVS                  | 0 S S |
| >TCAM SUBTASK TRACE ANALYSIS REPORT      |            | 5798-DGK    |   | 45   |      |      | 12   | GB21-2860 | OS/V5,ACF/TCAM       | 1 S H |
| UNIVERSAL DUMP, ALTER, COPY, & SELECT    | UDACS      | 5796-BAF    |   | 50   |      |      | 12   | G320-6405 | OS/V5                | 1 S H |
| VECTOR PROCESSING SUBSYSTEM              |            | 5744-CK2    |   |      |      |      |      | GC24-5182 | OS/V5                | 0 S S |
| V5 FORTRAN COMPILER & LIBRARY            |            | 5748-F03    |   | 212  | 159  | 15   | 24   | GC26-3983 | OS/V5,DOS/VSE,VM/CMS | 1 S K |
| V5 FORTRAN LIBRARY                       |            | 5748-LM3    |   | 63   | 47   | 5    | 8    | GC26-3983 | OS/V5,DOS/VSE,VM/CMS | 1 S K |
| VSAM ACCESS SUBROUTINES                  |            | 5796-AJW    |   | 675  |      |      | 01   | G320-8161 | OS/V5:1-2            | 1 S H |
| VSAM CATALOG LIST OS                     |            | 5796-ALR    |   | 70   |      |      | 12   | G320-5716 | OS/V5:1,SVS,MVS      | 1 I H |
| VSAM CONTROL AREA FREESPACE MAP UTILITY  |            | 5796-AYX    |   | 90   |      |      | 12   | G320-6346 | OS/V5                | 1 S H |
| VSAM SELECTIVE RESTORE                   |            | 5796-AXL    |   | 75   |      |      | 12   | G320-6156 | VS1                  | 0 S H |
| VSAMZAP FOR OS/V5                        |            | 5796-PJQ    |   | 48   |      |      | 12   | G320-5826 | OS/V5                | 1 I H |
| VSPC FORTRAN                             |            | 5748-F02    |   | 507  | 380  | 38   | 61   | GH20-9061 | DOS/V5,OS/V51,MVS    | 1 S K |
| V51 UTILIZATION MONITOR                  |            | 5798-CAK    |   | 193  |      |      | 12   | GB21-1404 | OS/V51               | 1 S H |
| 3330-11 DEVICE SUPPORT: OS/MFT/MVT (R21) |            | 5798-BCE    |   | 56   |      |      | 12   | GB21-1291 | OS/MFT/MVT           | 1 S H |
| 3890 OS/V5 OFFLINE SORT ENHANCEMENTS     |            | 5798-BDY/02 |   | 94   |      |      | 12   | GB21-1383 | 9526-9527            | 1 S H |

## MVS SCP, COMPILERS, UTILITIES, &amp; AIDS

GBOF-3343 DAPS 1443

| PROGRAM INFORMATION   | SHORT NAME  | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT          | T            | I | S |
|---|-------------|-------------|---|------|------|------|------|-----------|----------------------|--------------|---|---|
|   |             |             | C | FEE  | FEE  | FEE  | FEE  |           | MO                   | OR FEATURE # | P | L |
| ACF / NETWORK CONTROL PROGRAM / VS                                  | ACF/NCP/VS  | 5735-XX1    |   | 155  | 116  | 24   | 38   | GC30-9533 | DOS/VS,DOS/VSE,OS/VS | 2            | S | K |
| AMS CRYPTOGRAPHIC OPTION  |             | 5740-AM8    |   | 72   | 54   | 5    | 8    | GC28-1015 | OS/VS1,MVS           | 1            | S | K |
| BATCH TRANSFER PROGRAM  | BTP         | 5744-CG2    |   |      |      |      |      | GC33-5901 | MVS                  | 0            | S | C |
| CAPACITY PLANNING EXTENDED  | CPX         | 5798-CVM    |   | 143  |      |      |      | GB21-2391 | OS/VS,5798-CPR       | 1            | I | E |
| >CHAINED JOBS SCHEDULING  |             | 5785-GAK    |   | 858  |      |      | 12   | GB21-2869 | OS/VS1,OS/MVS JES2   | 1            | S | H |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF                              |             | 5798-CXW    |   | 110  |      |      | 12   | GB21-2344 | OS/VS,COBOL,SORT     | 1            | I | H |
| COBOL INTERACTIVE DEBUG   |             | 5734-CB4    |   | 351  |      |      |      | GC28-6454 | T50/CMS              | 1            | S | B |
| COBOL INTERACTIVE DEBUG TRAINING                                    | CID         | 5798-CXX    |   | 160  |      |      | 12   | GB21-1930 | IIS,IIPS             | 1            | L | H |
| COBOL MAINTENANCE AID OS  |             | 5796-AHZ    |   | 500  |      |      | 01   | G320-8146 | OS/VS                | 1            | I | H |
| CODE AND GO FORTRAN   |             | 5734-F01    |   | 302  |      |      |      | GC28-6884 | OS/T50/CMS           | 1            | S | C |
| CRYPTOGRAPHIC UNIT SUPPORT  |             | 5740-XY6    |   | 311  | 233  | 25   | 40   | GC28-1015 | OS/VS                | 1            | S | K |
| DASD SEEK SIMULATOR   |             | 5798-CTD    |   | 125  |      |      | 12   | GB21-2217 | OS/VS                | 1            | I | H |
| DATA FACILITY DATA SET SERVICES                                     | DFDSS       | 5740-UT3    |   | 67   | 50   | 17   | 27   | GC26-3947 | OS/VS1,MVS           | 1            | S | K |
| DATA FACILITY / DEVICE SUPPORT                                      | DFDS        | 5740-AM7    |   | 70   | 52   | 14   | 22   | GC26-3954 | MVS/SP/JES2,-/JES3   | 1            | S | K |
| DATA FACILITY / EXTENDED FUNCTION                                   | DFF         | 5740-XYQ    |   | 103  | 77   | 50   | 80   | GC26-3960 | MVS/SP,5740-AM7      | 1            | S | K |
| >DATA FACILITY PRODUCT  | DFP         | 5665-284    | P | 450  | 337  | 60   | 96   | GC26-4007 | MVS/XA               | 2            | S | K |
| DATA SET & FREE SPACE MANAGER                                       |             | 5796-PPN    |   | 105  |      |      | 12   | G320-6654 | MVS                  | 1            | S | H |
| DATA-SET MIGRATION AND PLANNING AID                                 |             | 5798-DCK    |   | 145  |      |      | 12   | GB21-2614 | OS/VS                | 1            | S | H |
| DIRECT ACCESS STORAGE CONVERSION AID                                |             | 5798-CLQ    |   | 2250 |      |      | 01   | GB21-1990 | OS/VS                | 0            | S | H |
| DIRECT ACCESS STORAGE DUMP RESTORE                                  | DASDR       | 5740-UT1    |   | 157  |      |      |      | GH20-9116 | OS/VS1,OS/VS2,OS/MFT | 1            | S | C |
| DISK VOLUME MAP   |             | 5796-PFL    |   | 70   |      |      | 12   | G320-5550 | OS/MVT/MFT,OS/VS     | 1            | I | H |
| DISKETTE COPY PROGRAM   |             | 5744-BL1    |   |      |      |      |      | GC24-5109 | OS/VS2               | 0            | S | C |
| FILE CABINET OPTION   | FCO         | 5798-CPY/01 |   | 600  |      |      | 24   | GB21-2103 | OS/VS2,JES2,TCAM     | 1            | S | H |
| FILE CABINET OPTION / VTAM  | FCO/VTAM    | 5798-DCG    |   | 637  |      |      | 24   | GB21-2604 | MVS JES2,JES3        | 1            | S | H |
| FILE CABINET OPTION WIDE SCREEN FEATURE                             | FCO         | 5798-CPY/02 |   | 250  |      |      | 24   | GB21-2103 | 6013-6014            | 1            | S | H |
| FILE TRANSFER PROGRAM   | FTP         | 5748-XE6    |   | 42   | 31   | 5    | 8    | GH12-5129 | DOS/VSE OS/VS        | 1            | S | K |
| FORTRAN CONVERSION AID  |             | 5796-PFG    |   | 5000 |      |      | 01   | G320-8154 | OS/VS,VM/CMS         | 1            | I | H |
| FORTRAN H EXTENDED OPTIMIZATION ENHANCED                            |             | 5796-PKR    |   | 128  |      |      |      | G320-6064 | OS/VS, VM/CMS        | 1            | S | E |
| FORTRAN H EXTENDED PLUS   | RPQ-FA2468  | 5799-AAW    |   | 1485 | 1110 | 5    | 8    |           | MVS                  | 1            | S | K |
| FORTRAN INTERACTIVE DEBUG   |             | 5734-F05    |   | 240  |      |      |      | GC26-3983 | 5734-F01/02/03       | 1            | S | B |
| GENERAL PERFORMANCE ANALYSIS REPORTING                              | GPAR        | 5798-CPR    |   | 64   |      |      |      | GB21-2091 | OS/VS1, MVS, SVS     | 1            | I | E |
| GENERALIZED TRACE FACILITY ANALYSIS                                 | GTFPARS     | 5798-COQ    |   | 72   |      |      |      | GB21-2142 | OS/VS, 5798-CPR      | 1            | I | E |
| GLOBAL SHARED ACCESS METHOD   | GSAM        | 5796-ATX    |   | 300  |      |      | 24   | G320-6083 | OS/VS2, SU7          | 1            | S | H |
| >HONEYWELL COBOL TO IBM COBOL CONVERSION INFORMATION / ACCESS - OZS | INFO/ACCESS | 5735-OZS/04 |   | 270  | 202  | 13   | 35   | GC34-2053 | 6051                 | 1            | S | K |
| >INFORMATION / LIBRARY  |             | 5665-277    | P | 156  | 117  | 12   | 19   | GH12-5136 | MVS,NCCF/T50         | 1            | S | K |
| INFORMATION / MANAGEMENT - OZS                                      | INFO/MGMT   | 5735-OZS/03 |   | 76   | 57   | 5    | 8    | GC34-2053 | 6050                 | 1            | S | K |
| INFORMATION / MVS - VSE - VM  | INFO/SVS    | 5735-OZS/02 |   | 221  |      |      |      | GC34-2053 | 6052                 | 1            | S | C |
| INFORMATION / SYSTEM - OZS  | INFO/SYS    | 5735-OZS/01 |   | 55   | 41   | 7    | 11   | GC34-2053 | MVS,VSE,VM           | 1            | S | K |
| INTER-REGION ACCESS METHOD  |             | 5796-AYH    |   | 300  |      |      | 12   | G320-6335 | MVS WITH VSAPI       | 1            | S | H |

MVS SCP, COMPILERS, UTILITIES, & AIDS

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(CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T |       |      |      |           | GENERAL | ENVIRONMENT | T I S              |       |
|--|------------|-------------|---|-------|------|------|-----------|---------|-------------|--------------------|-------|
|  |            |             | C | FEE   | DSLO | LLPS | MLPS      |         |             |                    |       |
|  |            |             |   | MO    | INFO | OR   | FEATURE # | PL      | V           |                    |       |
| JES 3 MONITORING FACILITY                |            | 5796-PHR    |   | 250   |      |      |           | 12      | G320-5713   | MVS JES 3          | 1 S H |
| JES3 MONITORING FACILITY II              | JMON       | 5796-PLW    |   | 170   |      |      |           |         | G320-6159   | MVS                | 1 S E |
| JES3 NETWORKING PRPQ                     | RPQ-P09022 | 5799-AZT    |   | 1535  | 1150 | 260  | 416       |         | GH20-2204   | NJI ENVIRONMENT    | 2 S K |
| JOB CONTROL LANGUAGE EDITOR              |            | 5796-PDC    |   | 148   |      |      |           | 06      | G320-1542   | OS/MFT,MVT,VS1,VS2 | 1 S H |
| >LIBRARY / MVS                           | LIBRARY/MV | 5665-294    | P | 100   | 75   |      |           |         | GH12-5136   | MVS,NCCF/TSO       | 1 S   |
| MVS HIERARCHICAL STORAGE MANAGER         | HSM        | 5740-XXB    |   | 420   | 315  | 94   | 150       |         | GH35-0007   | MVS                | 1 S K |
| MVS INFORMATION DIST WORKSTATION SUPPORT |            | 5740-AMA    |   | 354   | 265  | 22   | 35        |         | GC23-0031   | OS/VS2 (MVS)       | 1 S K |
| MVS PAGING SYSTEM - EXTENDED SWAP        |            | 5796-PNW    |   | 145   |      |      |           | 12      | G320-6403   | MVS/SE MVS/SP      | 1 S H |
| MVS SECONDARY OPERATOR FACILITY          |            | 5798-CRE    |   | 80    |      |      |           | 12      | GB21-2179   | OS/VS2-MVS         | 1 S H |
| MVS SYSTEMS EXTENSIONS                   | MVS/SE     | 5740-XE1    |   | 1700  | 1275 | 85   | 136       |         | GC28-0872   | MVS                | 2 S K |
| MVS VIRTUAL STORAGE MONITOR              |            | 5798-DEL    |   | 60    |      |      |           | 12      | GB21-2721   | MVS,5740-XY4       | 1 S H |
| MVS/SMF PROBLEM PROGRAM ACTIVITY REPORT  |            | 5798-CPP    |   | 80    |      |      |           | 12      | GB21-2089   | MVS                | 1 I H |
| MVS/SP SYSTEM IPO                        |            | 5750-AA9    |   | *     | *    | *    | *         |         | GC20-1870   |                    | ** *  |
| MVS/SP/JES2 - RELEASE 1                  | JES2       | 5740-XXS/01 |   | 1700  | 1275 | 85   | 136       |         | GC28-1025   | MVS,5740-AM7       | 2 S M |
| MVS/SP/JES2 - RELEASE 3                  | JES2       | 5740-XXS/02 |   | 1715  | 1285 | 175  | 280       |         | GC28-1025   | MVS,5740-AM7       | 2 S K |
| >MVS/SP/JES2 VERSION 2                   | JES2       | 5740-XXC6   | P | 4000  | 3000 | 500  | 800       |         |             | MVS/XA, 5665-284   | 2 S K |
| MVS/SP/JES3 - RELEASE 1                  | JES3       | 5740-XXN/01 |   | 1700  | 1275 | 85   | 136       |         | GC28-1025   | MVS,5740-AM7       | 2 S M |
| MVS/SP/JES3 - RELEASE 3                  | JES3       | 5740-XXN/02 |   | 1880  | 1410 | 375  | 600       |         | GC28-1025   | MVS,5740-AM7       | 2 S K |
| >MVS/SP/JES3 VERSION 2                   | JES3       | 5665-291    | P | 4500  | 3375 | 1000 | 1600      |         |             | MVS/XA, 5665-284   | 2 S K |
| MVT SUPPORT FOR 3031/3032/3033           | RPQ-MJ2480 | 5799-AMX    |   | 12880 |      |      |           | 01      | GC28-0951   | OS/MVT             | 1 S C |
| OPERATING SYSTEM / MULTIPLE VIRTUAL STOR | OS/VS2 MVS | 5752-VS2    |   |       |      |      |           |         | GC28-1012   |                    | 0 S J |
| >OPERATOR COMMUNICATION FACILITY         | OCCF       | 5665-288    | P | 300   | 225  | 7    | 11        |         | GC24-5225   | MVS,NCCF,ACF/VTAM  | 1 S K |
| >OS ASSEMBLER H                          |            | 5668-962    | P | 145   | 108  | 5    | 8         |         |             | OS/VS,MVS/XA,VM/SP | 1 S K |
| OS DITTO                                 |            | 5798-ARD    |   | 65    |      |      |           | 12      | GB21-0857   | OS                 | 1 I H |
| OS DITTO EXTENSIONS                      |            | 5798-CDA    |   | 100   |      |      |           | 12      | GB21-1549   | OS                 | 1 I H |
| OS FORTRAN IV (G)                        |            | 5734-F02    |   | 92    | 69   | 8    | 13        |         | GC28-6884   | OS/TSO/CMS         | 1 S K |
| OS FORTRAN IV (H EXTENDED) COMPILER      |            | 5734-F03    |   | 399   | 299  | 14   | 22        |         | GC28-6884   | OS/MFT/MVT/VS/CMS  | 1 S K |
| OS FORTRAN IV LIBRARY (MOD II)           |            | 5734-LM3    |   | 123   | 92   | 14   | 22        |         | GC28-6884   | OS/MFT/MVT/VS/CMS  | 1 S K |
| OS PL/I CHECKOUT COMPILER                |            | 5734-PL2    |   | 538   | 403  | 5    | 8         |         | GC33-0003   | OS/MFT/MVT/VS/CMS  | 1 S K |
| OS PL/I OPTIMIZING COMPILER              |            | 5734-PL1    |   | 252   | 189  | 31   | 50        |         | GC33-0001   | OS/VS,MFT/MVT,CMS  | 1 S K |
| OS PL/I OPTIMIZING COMPILER & LIBRARY    |            | 5734-PL3    |   | 339   | 254  | 41   | 66        |         | GC33-0001   | OS/VS,MFT/MVT,CMS  | 1 S K |
| OS PL/I RESIDENT LIBRARY                 |            | 5734-LM4    |   | 55    | 41   | 5    | 8         |         | GC33-0001   | OS/VS,MFT/MVT,CMS  | 1 S K |
| OS PL/I TRANSIENT LIBRARY                |            | 5734-LM5    |   | 32    | 24   | 5    | 8         |         | GC33-0001   | OS/VS,MFT/MVT,CMS  | 1 S K |
| OS SORT / MERGE                          |            | 5734-SM1    |   | 66    |      |      |           |         | GC33-4022   | OS/MFT/MVT/VS      | 1 S C |
| OS/VS CAPACITY MANAGEMENT AID            |            | 5798-CJB    |   | 157   |      |      |           | 12      | GB21-1834   | OS/VS1,VS2         | 1 S H |
| OS/VS COBOL COMPILER & LIBRARY           |            | 5740-CB1    |   | 311   | 233  | 12   | 19        |         | GC28-6470   | OS/VS              | 1 S K |
| OS/VS COBOL LIBRARY                      |            | 5740-LM1    |   | 101   | 75   | 5    | 8         |         | GC28-6470   | OS/VS              | 1 S K |
| OS/VS DATA-SET EDITOR                    |            | 5798-CXQ    |   | 100   |      |      |           | 12      | GB21-2350   | OS/VS              | 1 S H |
| >OS/VS RPG II COMPILER                   |            | 5740-RG1    | P | 180   | 135  | 10   | 16        |         | GC33-6120   | OS/VS              | 1 S K |
| OS/VS SORT MERGE                         |            | 5740-SM1    |   | 231   | 173  | 16   | 26        |         | GC33-4033   | OS/VS              | 1 S K |

| <u>MVS SCP, COMPILERS, UTILITIES, &amp; AIDS</u> |  | GBDF-3343 DAPS 1443 (CONT.) |                |   |     |      |      |      |         |             |                      |       |
|--|--|-----------------------------|----------------|---|-----|------|------|------|---------|-------------|----------------------|-------|
| <u>PROGRAM INFORMATION</u>                       |  | <u>SHORT NAME</u>           | <u>ORDER #</u> | T | LIC | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T I S                |       |
|  |  |                             |                | C | FEE | FEE  | FEE  | FEE  | MO      | INFO        | OR FEATURE #         | P L V |
| PASCAL/VS COMPILER                               |  |                             | 5796-PNQ       |   | 188 |      |      |      |         | G320-6387   | VM/CMS OS/VS         | 1 S E |
| PL/I LANGUAGE CONSTRUCTION PREPROCESSOR          |  |                             | 5796-PLL       |   | 140 |      |      |      | 12      | G320-6096   | OS/VS, VM/CMS        | 1 S H |
| PROBLEM DETERMINATION FOR MVS OPERATORS          |  | MVSPDI/-2                   | 5798-DEY       |   | 760 |      |      |      | 01      | GB21-2760   | IIS,IIPIS            | 1 L H |
| PROGRAMMED CRYPTOGRAPHIC FACILITY                |  |                             | 5740-XY5       |   | 347 | 260  | 25   | 40   |         | MVS         | GC28-0942            | 1 S K |
| <u>RACF CODES UPDATE SYSTEM</u>                  |  |                             | 5796-PLK       |   | 90  |      |      |      | 12      | G320-6093   | MVS AND RACF         | 1 S H |
| RACF PRODUCTIVITY AID                            |  |                             | 5798-CYF       |   | 208 |      |      |      | 12      | GB21-2370   | MVS RACF             | 1 S H |
| RESOURCE ACCESS CONTROL FACILITY                 |  | RACF                        | 5740-XXH       |   | 728 | 546  | 32   | 51   |         | GC28-0722   | MVS                  | 2 S K |
| RESOURCE MEASUREMENT FACILITY VERSION 2          |  | RMF                         | 5740-XY4       |   | 380 | 285  | 13   | 21   |         | GC28-0921   | MVS                  | 1 S K |
| >RESOURCE MEASUREMENT FACILITY VERSION 3         |  | RMF                         | 5665-274       | P | 700 | 525  | 50   | 80   |         | GC28-1115   | MVS/XA               | 2 S K |
| <u>SEQUENTIAL ACCESS METHOD EXTENDED</u>         |  | SAM-E                       | 5740-AM3       |   | 89  | 64   | 5    | 8    |         | GH20-9122   | MVS                  | 1 S K |
| SERVICE LEVEL REPORTER                           |  | SLR                         | 5740-DC3       |   | 507 | 380  | 43   | 68   |         | GH19-6149   | OS/VS                | 1 I K |
| SMF GRAPHICAL ANALYSIS PROGRAM                   |  |                             | 5796-AFP       |   | 200 |      |      |      | 12      | G320-8127   | VS1,VS2,MFT,MVT      | 1 I H |
| SMF JOB DATA COMPRESSION AID                     |  | JDCA                        | 5796-PHN       |   | 132 |      |      |      |         | G320-5714   | OS, OS/VS            | 1 I E |
| SOURCE COMPARE AUDIT UTILITY                     |  | SUPER-C                     | 5796-PLZ       |   | 100 |      |      |      | 24      | G320-6163   | VS1 VM/CMS MVS       | 1 I H |
| > <u>SPOOL DISPLAY AND SEARCH FACILITY</u>       |  | SDSF                        | 5798-DGN       | P | 100 |      |      |      | 12      | GB21-2865   | MVS/JES2             | 1 S H |
| STRUCTURED PROGRAMMING FACILITY / TSO            |  | SPF II TSO                  | 5740-XT8       |   | 589 |      |      |      |         | GH20-1974   | OS/VS2, 3270 DISPLAY | 1 I B |
| STRUCTURED PROGRAMMING MACROS                    |  |                             | 5798-CLF       |   | 55  |      |      |      | 12      | GB21-1957   | ASSEMBLERS           | 1 S H |
| >SYSTEM ERROR MANAGEMENT FACILITY                |  |                             | 5798-DGE       |   | 65  |      |      |      |         | GB21-2836   | OS/VS,CICS/VS        | 1 S E |
| SYSTEM LOG DISPLAY AND SEARCH FACILITY           |  |                             | 5798-DAL       |   | 116 |      |      |      | 12      | GB21-2511   | MVS                  | 1 S H |
| > <u>TAPE LIBRARY CONTROL SYSTEM</u>             |  |                             | 5785-EAW       |   | 650 |      |      |      | 12      | G320-6652   | MVS                  | 1 S H |
| >TCAM SUBTASK TRACE ANALYSIS REPORT              |  |                             | 5798-DGK       |   | 45  |      |      |      | 12      | GB21-2860   | OS/VS,ACF/TCAM       | 1 S H |
| TSO ASSEMBLER PROMPTER                           |  |                             | 5734-CP2       |   | 29  |      |      |      |         | GC33-4038   | TSO                  | 1 S C |
| TSO COBOL PROMPTER                               |  |                             | 5734-CP1       |   | 38  | 28   | 5    | 8    |         | GC28-6454   | TSO                  | 1 S K |
| TSO DATA-SET PRINT                               |  |                             | 5798-CPF/01    |   | 200 |      |      |      | 24      | GB21-2069   | OS/VS2 (MVS)         | 1 S H |
| TSO DATA-SET PRINT - VTAM EXTENSIONS             |  |                             | 5798-CPF/02    |   | 76  |      |      |      | 12      | GB21-2069   | 6025-6026            | 1 S H |
| >TSO EXTENSIONS FOR MVS                          |  | TSO/E                       | 5665-285       | P | 425 | 326  | 65   | 104  |         | GC28-1061   | MVS/SP VERSION 1     | 2 S K |
| >TSO EXTENSIONS FOR MVS/XA                       |  | TSO/E                       | 5665-293       | P | 520 | 390  | 80   | 128  |         | GC28-1061   | MVS/SP VERSION 2     | 2 S K |
| TSO FORTRAN PROMPTER                             |  |                             | 5734-CP3       |   | 32  |      |      |      |         | GC28-6884   | 5734-F02             | 1 S C |
| UNIVERSAL DUMP, ALTER, COPY, & SELECT            |  | UDACS                       | 5796-BAF       |   | 50  |      |      |      | 12      | G320-6405   | OS/VS                | 1 S H |
| <u>VS FORTRAN COMPILER &amp; LIBRARY</u>         |  |                             | 5748-F03       |   | 212 | 159  | 15   | 24   |         | GC26-3983   | OS/VS,DOS/VSE,VM/CMS | 1 S K |
| VS FORTRAN LIBRARY                               |  |                             | 5748-LM3       |   | 63  | 47   | 5    | 8    |         | GC26-3983   | OS/VS,DOS/VSE,VM/CMS | 1 S K |
| VSAM ACCESS SUBROUTINES                          |  |                             | 5796-AJW       |   | 675 |      |      |      | 01      | G320-8161   | OS/VS1-2             | 1 S H |
| VSAM CATALOG LIST OS                             |  |                             | 5796-ALR       |   | 70  |      |      |      | 12      | G320-5716   | OS/VS1,SVS,MVS       | 1 I H |
| VSAM CONTROL AREA FREESPACE MAP UTILITY          |  |                             | 5796-AYX       |   | 90  |      |      |      | 12      | G320-6346   | OS/VS                | 1 S H |
| <u>VSAM SELECTIVE RESTORE</u>                    |  |                             | 5796-AXL       |   | 75  |      |      |      | 12      | G320-6156   | VS1                  | 0 S H |
| VSPC FORTRAN                                     |  |                             | 5748-F02       |   | 507 | 380  | 38   | 61   |         | GH20-9061   | DOS/VS,OS/VS1,MVS    | 1 S K |
| 3270 FULL SCREEN TSO COBOL SUPPORT               |  |                             | 5796-ATK       |   | 130 |      |      |      | 12      | G320-6067   | OS/VS2 (MVS)         | 1 S H |
| 3330-11 DEVICE SUPPORT: OS/MFT/MVT (R21)         |  |                             | 5798-BCE       |   | 56  |      |      |      | 12      | GB21-1291   | OS/MFT/MVT           | 1 S H |
| 3890 OS/VS OFFLINE SORT ENHANCEMENTS             |  |                             | 5798-BDY/02    |   | 94  |      |      |      | 12      | GB21-1383   | 9526-9527            | 1 S H |

VM SCP, COMPILERS, UTILITIES, & AIDS

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| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO    | ENVIRONMENT<br>QR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|--------------------|-----------------------------|--------|--------|--------|
| AIRLINE CONTROL PROGRAM TESTING IN VM    | ACP/VM     | 5798-DEP    |        | 400        |             |             |             | 12 | GB21-2743          | VM/SP VM/BSEP,VM/SE         | 1      | 5      | H      |
| >APL FILE MANAGEMENT                     |            | 5798-DJK    |        | 1105       |             |             |             | 01 | GB21-2951          | VM/CMS                      | 1      | 5      | H      |
| APL SYSTEM EXTENSIONS                    |            | 5796-AZT    |        | 240        |             |             |             | 12 | G320-6394          | VM/CMS WITH VSAPL           | 1      | 5      | H      |
| APPLICATION ENABLING FACILITY            | AEF        | 5798-DBF    |        | 100        |             |             |             |    | GB21-2551          | VM/CMS                      | 1      | 5      | C      |
| ASSEMBLER H CMS INTERFACE                |            | 5796-PFJ    |        | 136        |             |             |             | 12 | G320-5541          | VM/CMS                      | 1      | 5      | H      |
| >BASIC GRAPHIC SUPPORT SYSTEM            | BGSS       | 5785-DCK    |        | 310        |             |             |             | 12 | G320-6659          | VM,VSAPL                    | 1      | 5      | H      |
| >BASIC INTERACTIVE GRAPHIC APPL MONITOR  |            | 5785-DCJ    |        | 485        |             |             |             | 12 | G320-6659          | BGSS 5785-DCK               | 1      | 5      | H      |
| BATCH MONITOR FOR VM/CMS                 |            | 5796-PGZ    |        | 170        |             |             |             | 12 | G320-5691          | VM/CMS                      | 1      | 5      | H      |
| CMS EXEC ENHANCEMENTS                    |            | 5796-PJA    |        | 140        |             |             |             | 12 | G320-5728          | VM/CMS                      | 1      | 1      | H      |
| CMS FUNDAMENTALS                         | CMS1       | 5798-DBB    |        | 200        |             |             |             | 12 | GB21-2532          | IIS,IIPS                    | 1      | 1      | H      |
| >CMS FUNDAMENTALS II                     |            | 5798-DGJ    | P      | 120        |             |             |             | 12 | GB21-2855          | IIS,IIPS                    | 1      | 1      | H      |
| CMS HOST DEVELOPMENT, TESTING 8100 COBOL |            | 5785-DCG    |        | 3500       |             |             |             | 01 | GB21-2572          | VM/CMS                      | 1      | 5      | H      |
| CMS SORT EXTENSIONS                      |            | 5798-BDW/02 |        | 30         |             |             |             | 12 | GB21-1376          | 9564-9565                   | 1      | 5      | H      |
| CMS SORT FOR VM/CMS                      |            | 5798-BDW/01 |        | 78         |             |             |             | 12 | GB21-1376          | VM/CMS                      | 1      | 5      | H      |
| COBOL INTERACTIVE DEBUG                  |            | 5734-CB4    |        | 351        |             |             |             |    | GC28-6454          | TSO/CMS                     | 1      | 5      | B      |
| >COBOL INTERACTIVE DEBUG TRAINING II     |            | 5798-DFZ    |        | 995        |             |             |             | 01 | GB21-2825          | IIS,IIPS                    | 1      | 1      | H      |
| DCF FOREGROUND: CMS TSO ATMS III         | SCRIPT/V5  | 5748-XX9/02 |        | 53         |             |             |             |    | GH20-9158          | 6043-4,6072-3,6076-7        | 1      | 5      | L      |
| DISPLAY EDITING SYSTEM FOR CMS - DES     | EDGAR      | 5796-PJP    |        | 60         |             |             |             |    | G320-5762          | VM/CMS                      | 1      | 5      | E      |
| DISPLAY MANAGEMENT SYSTEM / CMS          | DMS/CMS    | 5748-XXB    |        | 30         | 22          | 7           | 1           |    | GC24-5197          | VM/BSE/SE/SP                | 1      | 5      | K      |
| DOS PL/I OPTIMIZING COMPILER             |            | 5736-PL1    |        | 235        | 176         | 31          | 50          |    | GC33-0004          | DOS,DOS/VS/VSE,CMS          | 1      | 5      | K      |
| DOS PL/I OPTIMIZING COMPILER & LIBRARY   |            | 5736-PL3    |        | 322        | 241         | 41          | 66          |    | GC33-0004          | DOS,DOS/VS/VSE,CMS          | 1      | 5      | K      |
| DOS PL/I RESIDENT LIBRARY                |            | 5736-LM4    |        | 55         | 41          | 5           | 8           |    | GC33-0004          | DOS,DOS/VS/VSE,CMS          | 1      | 5      | K      |
| DOS PL/I TRANSIENT LIBRARY RELEASE 6     |            | 5736-LM5    |        | 32         | 24          | 5           | 8           |    | GC33-0004          | DOS,DOS/VS/VSE,CMS          | 1      | 5      | K      |
| DOS/VS SORT MERGE VERSION 2              |            | 5746-SM2    |        | 101        | 76          | 11          | 18          |    | GC33-4043          | DOS/VS,VM/SP/CMS            | 1      | 5      | K      |
| DOS/VSE REMOTE JOB ENTRY WORKSTATION     | RJE        | 5746-RC9    |        | 103        |             |             |             |    | GH20-2199          | VSE TO VM/CMS,OS/V5         | 1      | 5      | B      |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST | ELIAS-I/VM | 5748-XXK    |        | 289        | 216         | 25          | 40          |    | GH19-6157          | VM/CMS,CICS/VS,DL/I         | 1      | 5      | K      |
| FORTRAN CONVERSION AID                   |            | 5796-PFG    |        | 5000       |             |             |             | 01 | G320-8154          | OS/VS,VM/CMS                | 1      | 1      | H      |
| FORTRAN H EXTENDED OPTIMIZATION ENHANCED |            | 5796-PKR    |        | 128        |             |             |             |    | G320-6064          | OS/VS, VM/CMS               | 1      | 5      | E      |
| FORTRAN INTERACTIVE DEBUG                |            | 5734-F05    |        | 240        |             |             |             |    | GC26-3983          | 5734-F01/02/03              | 1      | 5      | B      |
| FORTRAN UTILITIES FOR VM/CMS             |            | 5798-DFH    |        | 200        |             |             |             | 12 | GB21-2796          | VM/CMS                      | 1      | 5      | H      |
| >HONEYWELL COBOL TO IBM COBOL CONVERSION |            | 5785-JAA    |        | 3000       |             |             |             | 01 | GB21-2858          | OS/VS,DOS/VSE,VM/370        | 0      | 5      | H      |
| IMS APL DATA LINK FOR VM/CMS             |            | 5796-PLE    |        | 442        |             |             |             |    | G320-6098          | VM/CMS WITH VSAPL           | 1      | 5      | E      |
| INFORMATION / MVS - VSE - VM             | INFO/SYS   | 5735-OZ5/02 |        | 221        |             |             |             |    | GC34-2053          | 6052                        | 1      | 5      | C      |
| INFORMATION / SYSTEM - OZ5               | INFO/SYS   | 5735-OZ5/01 |        | 55         | 41          | 7           | 11          |    | GC34-2053          | MVS,VSE,VM                  | 1      | 5      | K      |
| >INFORMATION / VM - VSE                  | INFO/VMVSE | 5735-OZ5/05 |        | 110        |             |             |             |    | GC34-2069          | 6053                        | 1      | 5      | C      |
| INTERACTIVE PRODUCTIVITY FACILITY        | IPF        | 5748-MS1    |        | 41         | 30          | 5           | 8           |    | GH20-2492          | DOS/VSE,VM/SP,SIPO/E        | 1      | 5      | K      |
| JES2 INFORMATION RETRIEVAL SYSTEM - CMS  |            | 5796-AYD    |        | 300        |             |             |             | 12 | G320-6334          | VM/CMS                      | 1      | 5      | H      |
| LIST PROCESSOR 370                       | LISP/370   | 5796-PKL    |        | 1500       |             |             |             | 24 | G320-6061          | OS/V52, VM/CMS              | 1      | 5      | H      |
| >OS ASSEMBLER H                          |            | 5668-962    | P      | 145        | 108         | 5           | 8           |    | OS/V5,MVS/XA,VM/SP | 1                           | 5      | K      |        |
| OS PL/I CHECKOUT COMPILER                |            | 5734-PL2    |        | 538        | 403         | 5           | 8           |    | GC33-0003          | OS/HPT/HVT/VS/CMS           | 1      | 5      | K      |

VM SCP, COMPILERS, UTILITIES, & AIDS

GBOF-3345 DAPS 1445 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL   | ENVIRONMENT          | T I S |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------|----------------------|-------|
|  |            |          |        |            |             |             |             |    | INFO      | OR FEATURE #         | P L V |
| PASCAL/VS COMPILER                       |            | 5796-PNQ |        | 188        |             |             |             |    | G320-6387 | VM/CMS OS/VS         | 1 S E |
| PROFESSIONAL OFFICE SYSTEM - PROFS       | RPQ-P0903  | 5799-BEX |        | 402        |             |             |             |    | GH24-2493 | VM/CMS               | 1 S E |
| PROGRAM FUNCTION KEY SIMULATOR SPF/CMS   |            | 5798-DBK |        | 90         |             |             | 12          |    | GB21-2556 | VM/CMS,5748XT3       | 1 S H |
| QUERY BY EXAMPLE                         | QBE        | 5796-PKT |        | 373        |             |             |             |    | G320-6062 | VM/CMS               | 1 S E |
| REMOTE SPOOLING COMMUNICATION SUBSYSTEM  | RSCS       | 5748-XPI |        | 84         | 63          | 28          | 45          |    | GH24-5004 | VM/SP                | 1 S K |
| >VM BASIC                                |            | 5796-BCX | P      | 75         |             |             |             |    | G320-6658 | VM/CMS               | 1 S E |
| SOURCE COMPARE AUDIT UTILITY             | SUPER-C    | 5796-PLZ |        | 100        |             |             | 24          |    | G320-6163 | VS1 VM/CMS MVS       | 1 I H |
| STORAGE & INFORMATION RETRIEVAL SYSTEM   | STAIRS/CMS | 5785-CAH |        | 250        |             |             |             |    | GB21-2767 | VM/CMS               | 1 S E |
| SYSTEM PRODUCTIVITY FACILITY             | SPF        | 5668-009 |        | 226        | 169         | 36          | 58          |    | GC34-2039 | MVS/TSO,VM/SP        | 1 S K |
| TELEPROCESSING VIRTUAL MACHINE           | TPVM       | 5796-PNC |        | 207        |             |             | 24          |    | G320-6328 | VM/CMS               | 1 S H |
| VIRTUAL MACHINE / 370                    | VM         | 5749-010 |        |            |             |             |             |    | GC20-1800 |                      | 0 S J |
| VIRTUAL MACHINE DIRECTORY MAINTENANCE    | DIRMAINT   | 5748-XE4 |        | 98         | 73          | 23          | 37          |    | GC20-1836 | VM/SP/CMS            | 1 S K |
| VIRTUAL MACHINE INTERACTIVE FILE SHARING | IFS        | 5748-XXC |        | 40         | 30          | 12          | 1           |    | GC24-5195 | VM/CMS               | 1 S K |
| VIRTUAL MACHINE SYSTEM EXTENSIONS VM/SE  | SEPP       | 5748-XE1 |        | 1345       | 1005        | 148         | 237         |    | GC20-1827 | VM/CMS               | 2 S K |
| VIRTUAL SPOOLED READER DISPLAY/CMS       |            | 5796-AYK |        | 80         |             |             | 12          |    | G320-6338 | VM/CMS               | 1 S H |
| VM BASIC SYSTEM EXTENSIONS VM/BSE        | BSEPP      | 5748-XX8 |        | 136        | 102         | 33          | 52          |    | GC20-1828 | VM                   | 2 S K |
| VM DISKETTE COPY                         |            | 5796-PNT |        | 65         |             |             | 12          |    | G320-6406 | VM/CMS, DISKETTE RDR | 1 S H |
| VM PASS THROUGH FACILITY                 | PVM        | 5748-RC1 |        | 139        | 104         | 65          | 104         |    | GC24-5206 | VM/SP,VM/BSEP,VM/SE  | 1 S K |
| >VM PASS THROUGH SUPPORT FOR 3101        | PVM/3101   | 5796-PPF |        | 170        |             |             | 01          |    | G320-6637 | VM/SP,VM/BSEP,VM/SE  | 1 S E |
| VM REAL TIME MONITOR                     |            | 5796-PNA |        | 44         |             |             |             |    | G320-6165 | VM/CMS               | 1 S E |
| VM SYSTEM PRODUCT - SP & XEDIT           | VM/SP      | 5664-167 |        | 330        | 247         | 50          | 80          |    | GC20-1838 | VM/CMS REL 6         | 2 S K |
| VM VIRTUAL TAPE LIBRARIAN                | VLIB       | 5796-PNZ |        | 46         |             |             | 24          |    | G320-6421 | VM/CMS PL/I          | 1 S H |
| VM/CMS CONTROL & ACCOUNTING PROGRAMS     |            | 5798-AVP |        | 47         |             |             | 12          |    | GB21-1110 | VM/CMS               | 1 S H |
| VM/CMS LIBRARY & SPMD-II SIMULATOR       |            | 5798-CVA |        | 95         |             |             | 12          |    | GB21-2361 | VM/CMS               | 1 S H |
| VM/CMS PERFORMANCE MONITOR ANALYSIS      | VMAP       | 5798-CPX |        | 186        |             |             |             |    | GB21-2100 | VM/CMS               | 1 S E |
| VM/CMS SPOOLING FOR LOCAL 328X PRINTER   |            | 5796-PKZ |        | 60         |             |             | 12          |    | G320-6073 | VM/CMS               | 1 S H |
| VM/INTERACTIVE PROBLEM CONTROL SYSTEM    | IPCS       | 5748-SA1 |        | 41         | 30          | 5           | 8           |    | GC34-2019 | VM/CMS               | 1 S K |
| >VM/SP GRAPHIC SUBROUTINE PACKAGE        |            | 5796-PPR |        | 80         |             |             | 24          |    | G320-6657 | VM/SP                | 1 S H |
| VM/SP HIGH PERFORMANCE OPTION            | HPO        | 5664-173 | P      | 1400       | 1050        | 100         | 160         |    |           | VM/SP+MVS/SP         | 2 S K |
| >VM/SP SYSTEM IPO/E                      | SIPQ/E     | 5750-AAK |        | *          | *           | *           | *           |    | GC20-1890 | VM/SP                | ** *  |
| VM/VTAM COMM NETWORK APPLICATIONS - VCNA | VM/VCNA    | 5735-RC5 |        | 284        | 213         | 105         | 168         |    | GC27-0501 | VM/SP,DOS/VSE,VS1    | 2 S K |
| >VM/XA MIGRATION AID FOR MVS/XA          |            | 5664-169 | P      | 3500       | 2625        | 500         | 800         |    |           | MVS/SP,MVS/XA,CMS    | 2 S K |
| VS FORTRAN COMPILER & LIBRARY            |            | 5748-F03 |        | 212        | 159         | 15          | 24          |    | GC26-3983 | OS/VS,DOS/VSE,VM/CMS | 1 S K |
| VS FORTRAN LIBRARY                       |            | 5748-LM3 |        | 63         | 47          | 5           | 8           |    | GC26-3983 | OS/VS,DOS/VSE,VM/CMS | 1 S K |
| VSPC FORTRAN                             |            | 5748-F02 |        | 507        | 380         | 38          | 61          |    | GH20-9061 | DOS/VS,OS/VS1,MVS    | 1 S K |

DISTRIBUTED SYSTEMS (8100/DPCX 3790)

GBOF-3351 DAPS 1451

| <u>PROGRAM INFORMATION</u>                      | <u>SHORT NAME</u> | <u>ORDER #</u>     | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u>      | <u>ENVIRONMENT</u>        | <u>T I S</u> |
|---|-------------------|--------------------|----------|------------|-------------|-------------|-------------|---------------------|---------------------------|--------------|
|   |                   |                    | <u>C</u> | <u>FFF</u> | <u>FFF</u>  | <u>FFF</u>  | <u>FFF</u>  | <u>INFO</u>         | <u>QR FEATURE #</u>       | <u>P L V</u> |
| >CARDFILE FACILITY                              |                   | 5798-DJG           | P        | 100        |             |             |             | 12 GB21-2942        | DPCX                      | 1 S H        |
| DATA ENTRY FOR VISA & MASTER-CHARGE             |                   | 5798-CZN           |          | 600        |             |             |             | 12 GB21-2472        | 8100/DPCX 3790            | 1 S H        |
| DEVELOPMENT MANAGEMENT SYSTEM / DPCX            | DMS/DPCX          | 5748-XC4           |          | 632        | 474         | 75          | 120         | GH20-2423           | TSO,CICS,CMS              | 1 S K        |
| DIRECT DOCUMENT VIEWING FACILITY                | DISOSS            | 5740-XYK/02        |          | 35         |             |             |             | GH12-5124           | 6119-6121                 | 2 S B        |
| <u>DISTRIBUTED DATA TRANSFER - CONTROLLER</u>   |                   | <u>5798-DCF</u>    |          | <u>20</u>  |             |             |             | <u>12 GB21-2594</u> | <u>DPCX 3790,5798-DCA</u> | <u>1 S H</u> |
| DISTRIBUTED DATA TRANSFER - HOST                |                   | 5798-DCA           |          | 100        |             |             |             | 12 GB21-2594        | OS/V5,DOS,5798-DCF        | 1 S H        |
| DISTRIBUTED OFFICE SUPPORT - REMOTE             | DISOSS            | 5740-XYK/01        |          | 103        |             |             |             | GH12-5124           | 3730,8100/DOSF            | 2 S B        |
| DISTRIBUTED OFFICE SUPPORT / 8100 / DOSF        | DISOSS            | 5661-172           |          | 164        | 123         | 32          | 51          | GH12-5139           | DPCX AND DOSF             | 2 S K        |
| DISTRIBUTED OFFICE SUPPORT FACILITY             | DOSF              | 5761-XR1           |          | 570        | 427         | 84          | 134         | GC27-0546           | DPCX                      | 1 S K        |
| <u>DISTRIBUTED PROCESSING CONTROL EXECUTIVE</u> | <u>DPCX</u>       | <u>5761-DS1/01</u> |          | <u>269</u> | <u>201</u>  | <u>74</u>   | <u>118</u>  | <u>GC22-9075</u>    | <u>8100,5735-XR3</u>      | <u>1 S K</u> |
| DISTRIBUTED SYSTEMS EXECUTIVE VER 1             | DSX               | 5748-XXG           |          | 220        | 165         | 41          | 65          | GH20-2149           | OS/V5,DOS/VSE             | 1 S K        |
| >DISTRIBUTED SYSTEMS EXECUTIVE VER 2            | DSX               | 5668-986           | P        | 380        | 285         | 41          | 65          | GH19-6229           | OS/V5,DOS/VSE             | 1 S K        |
| DOCUMENT INTERCHANGE - DISTRIBUTED              | DIF               | 5668-004           |          | 40         |             |             |             | GC27-0546           | DOSF/3100,3730            | 1 S B        |
| DPCX ACCOUNTING SYSTEM / DEPARTMENTAL           |                   | 5798-DDL           |          | 110        |             |             |             | 12 GB21-2688        | DMS/3790,DPCX             | 1 S H        |
| <u>DPCX EMPLOYMENT SERVICE JOB BRONSE</u>       |                   | <u>5798-DCY</u>    |          | <u>90</u>  |             |             |             | <u>12 GB21-2659</u> | <u>8100/DPCX</u>          | <u>1 S H</u> |
| DPCX OUTPATIENT BILLING SYSTEM                  |                   | 5798-DCP           |          | 265        |             |             |             | 12 GB21-2626        | 8100/DPCX                 | 1 S H        |
| DPPX DPCX HOST COMMAND FACILITY                 | HCF               | 5735-XR1           |          | 97         | 72          | 27          | 43          | GC27-0453           | OS/V5,DOS/V5              | 1 S K        |
| >HOST COMMAND FACILITY DPPX DPCX                | HCF-V2            | 5668-985           |          | 150        | 112         | 30          | 48          | GC27-0453           | DOS/V5E,OS/V5             | 1 S K        |
| >INTERACTIVE DISPLAY TEXT FACILITY              | IDTF              | 5668-956           |          | 80         | 60          |             |             | GC33-0137           | DOSF,DPCX                 | 1 S E        |
| <u>&gt;PROGRAM &amp; PANEL DATA SET UTILITY</u> |                   | <u>5798-DHX</u>    |          | <u>335</u> |             |             |             | <u>01 GB21-2928</u> | <u>DPCX</u>               | <u>0 S H</u> |
| QUERY SYSTEM TEXT ENHANCEMENT FEATURE           |                   | 5798-CZE/02        |          | 40         |             |             |             | 12 GB21-2431        | 6015                      | 1 S H        |
| 3760 BATCH DATA TRANSFER UNDER CICS/V5          |                   | 5798-CQB           |          | 175        |             |             |             | 12 GB21-2112        | EXTM,TCAM,VTAM            | 1 S H        |
| 3760 DYNAMIC BTP GENERATOR SYSTEM               |                   | 5796-ANF           |          | 65         |             |             |             | 12 G320-5724        | OS/V51,SV5,MVS            | 1 S H        |
| 3770 COMMUNICATIONS UTILITY                     |                   | 5798-CKZ           |          | 100        |             |             |             | 12 GB21-1936        | DOS/V5,OS/V5              | 1 I H        |
| <u>3770 SORT PROGRAM</u>                        |                   | <u>5798-CNY</u>    |          | <u>80</u>  |             |             |             | <u>12 GB21-2050</u> | <u>3770 MACROS</u>        | <u>1 S H</u> |
| 3770 SUPERVISOR ASSEMBLER                       |                   | 5798-CWH           |          | 115        |             |             |             | 12 GB21-2278        | DOS/V5,OS/V5,VM/CMS       | 1 I H        |
| 3770 3790 ASSEMBLER LISTING POST EDITOR         |                   | 5798-CQZ           |          | 81         |             |             |             | 12 GB21-2159        | DOS/V5,OS/V51             | 1 I H        |
| 3770-P BATCH TRANSMISSION SERVICES              |                   | 5798-CHX           |          | 130        |             |             |             | 12 GB21-2044        | DOS/V5,OS/V5              | 1 S H        |
| 3790 / 3770 PVS DATA-SET TEST SUPPORT           |                   | 5798-CPG           |          | 80         |             |             |             | 12 GB21-2073        | OS/V5,DOS/V5              | 1 I H        |
| <u>3790 RASIC KEY TO DISK SYS</u>               |                   | <u>5796-AWF</u>    |          | <u>45</u>  |             |             |             | <u>24 G320-6090</u> | <u>DOS/V5, OS/V51</u>     | <u>1 S H</u> |
| 3790 DATA ENTRY FOR MERCHANT SALES DRAFT        |                   | 5798-CZL           |          | 625        |             |             |             | 12 GB21-2453        | DOS/V5,OS/V5              | 1 S H        |
| 3790 DISK UTILITY                               |                   | 5798-CPA           |          | 64         |             |             |             | 12 GB21-2053        | 3790 MACROS               | 1 S H        |
| 3790 DISKETTE UTILITY                           |                   | 5798-CRF           |          | 40         |             |             |             | 12 GB21-2182        |                           | 1 S H        |
| 3790 INTERACTIVE FILE MAINTENANCE               |                   | 5798-CZQ           |          | 145        |             |             |             | 12 GB21-2476        | DOS/V5,OS/V5,VM/CMS       | 1 S H        |
| <u>3790 KEY SEQUENTIAL FILE MACROS</u>          |                   | <u>5798-CRG</u>    |          | <u>90</u>  |             |             |             | <u>12 GB21-2176</u> | <u>DOS/V5, OS/V51</u>     | <u>1 I H</u> |
| 3790 QUERY PROGRAM                              |                   | 5798-CNR           |          | 80         |             |             |             | 12 GB21-2035        |                           | 1 S H        |
| 3790 3770 HOST SUPPORT                          |                   | 5744-BZ3           |          |            |             |             |             | GC22-9071           | OS/V5                     | 0 S N        |
| 3790 3770 HOST SUPPORT DPCX                     |                   | 5747-BQ1           |          |            |             |             |             | GC22-9071           | DOS/V5                    | 0 S N        |
| >8100 AUTOMATED ADMINISTRATION ACTIVITIES       |                   | 5798-DHB           |          | 940        |             |             |             | 01 GB21-2889        | DPCX                      | 1 S H        |
| <u>8100 DPCX IDTF FEATURE</u>                   |                   | <u>5761-DS1/02</u> |          | <u>74</u>  | <u>55</u>   | <u>9</u>    | <u>14</u>   | <u>GC22-9075</u>    | <u>6001</u>               | <u>1 S K</u> |



DISTRIBUTED SYSTEMS (8100/DPCX 3790)

GBOF-3351 DAPS 1451 (CONT.)

| PROGRAM INFORMATION                           | SHORT NAME | ORDER #            | T | LIC        | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT      | T I S                     |              |
|---|------------|--------------------|---|------------|------|------|------|-----------|------------------|---------------------------|--------------|
|   |            |                    | C | FEE        | FEE  | FEE  | FEE  |           | MO               | OR FEATURE #              | P L V        |
| 8100 DPCX 3790 DATA-SET UTILITY PROGRAM       |            | 5785-DCL           |   | 115        |      |      |      | 12        | GB21-2535        | VS1 DOS/VSE               | 1 S H        |
| 8100 DPCX 3790 SORT/MERGE PROGRAM             |            | 5798-DAF           |   | 35         |      |      |      | 12        | GB21-2501        | DOS/VSE OS/V5             | 1 S H        |
| >8100 FORM LETTER GENERATION SYSTEM           |            | 5798-DHY           |   | 1120       |      |      |      | 01        | GB21-2931        | DPCX                      | 1 S H        |
| 8100/DPCX HOST LICENSED PROGRAM SUPPORT       | HOST PREP  | 5735-XR3           |   | 187        | 140  | 60   | 96   |           | GC27-0572        | OS/V5 DOS/VSE             | 1 S K        |
| <u>8100/DPCX 3790 DISTRIBUTED ENTRY QUERY</u> |            | <u>5798-CZE/01</u> |   | <u>190</u> |      |      |      | <u>12</u> | <u>GB21-2931</u> | <u>DOS/VSE OS/V5 DOSF</u> | <u>1 S H</u> |

DISTRIBUTED SYSTEMS (4300) GBOF-3352 DAPS 1452

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T | LIC | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT         | T I S |
|--|------------|-------------|---|-----|------|------|------|-----------|---------------------|-------|
|  |            |             | C | FEE | FEE  | FEE  | FEE  |           |                     | MD    |
| ACF/VTAM MULTISYSTEM NETWORKING FEATURE  | MSNF/VTAM  | 5746-RC3/02 |   | 254 | 190  | 127  | 203  | GC27-0462 | 6059                | 2 S K |
| DOS/VSE REMOTE JOB ENTRY WORKSTATION     | RJE        | 5746-RC9    |   | 103 |      |      |      | GH20-2199 | VSE TO VM/CHS,OS/VS | 1 S B |
| FILE TRANSFER PROGRAM                    | FTP        | 5748-XE6    |   | 42  | 31   | 5    | 8    | GH12-5129 | DOS/VSE OS/VS       | 1 S K |
| HOST REMOTE NODE ENTRY SYSTEM            | HRNES      | 5796-PJY/01 |   | 120 |      |      |      | G320-5813 | OS/VS1              | 1 S H |
| >HOST REMOTE NODE ENTRY SYSTEM II        | HRNES II   | 5796-PPI    |   | 120 |      |      |      | G320-6647 | OS/VS1              | 1 S E |
| HOST REMOTE NODE ENTRY SYSTEM SUPPORT    | HRNES      | 5796-PJY/02 |   | 525 |      |      | 01   | G320-5813 | 9583-9584           | 0 S H |
| JOB ENTRY PROGRAM                        | JEP        | 5746-XE6    |   | 194 | 145  | 28   | 45   | GH12-5129 | DOS/VSE             | 1 S K |
| >OPERATOR COMMUNICATION FACILITY         | OCCF       | 5665-288    | P | 300 | 225  | 7    | 11   | GC24-5225 | MVS,NCCF,ACF/VTAM   | 1 S K |
| OPERATOR COMMUNICATIONS CONTROL FACILITY | OCCF       | 5746-XC5    |   | 116 | 87   | 10   | 16   | GC33-6113 | DOS/VSE             | 1 S K |
| REMOTE SPOOLING COMMUNICATION SUBSYSTEM  | RSCS       | 5748-XP1    |   | 84  | 63   | 28   | 45   | GH24-5004 | VM/SP               | 1 S K |
| VIDEO/370 VSE/VSAM SUPPORT               |            | 5798-DFK    |   | 85  |      |      | 12   | GB21-2800 | 5736-PC3/02 DOS/VSE | 1 S H |
| VM PASS THROUGH FACILITY                 | PVM        | 5748-RC1    |   | 139 | 104  | 65   | 104  | GC24-5206 | VM/SP,VM/BSEP,VM/SE | 1 S K |
| >VM PASS THROUGH SUPPORT FOR 3101        | PVM/3101   | 5796-PPF    |   | 170 |      |      | 01   | G320-6637 | VM/SP,VM/BSEP,VM/SE | 1 S E |
| VM/VTAM COMM NETWORK APPLICATIONS - VCNA | VM/VCNA    | 5735-RC5    |   | 284 | 213  | 105  | 168  | GC27-0501 | VM/SP, DOS/VSE, VS1 | 2 S K |
| VSE / CENTRAL CONTROL FACILITY           | CCF        | 5798-DCZ    |   | 207 |      |      |      | GB21-2663 | DOS/VSE             | 1 S E |
| VSE 3270 BISYNC PASS THROUGH             |            | 5746-AM5    |   | 159 |      |      |      | GH20-2403 | DOS/VSE CICS/VS     | 1 S B |

DISTRIBUTED SYSTEMS (8100/DPPX) GBOF-3353 DAPS 1453

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P              | I<br>L | S<br>V |   |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|---------------------|--------|--------|---|
| COMMUNICATIONS DESIGN & DEVELOPMENT AID  |            | 5796-PNL    |        | 150        |             |             |             |    | 12              | G320-6349                   | DPPX/8100           | 1      | S      | H |
| >DISTRIBUTED PLANT MAINTENANCE           |            | 5787-GAA    | P      | 455        |             |             |             |    |                 | GB21-2895                   | DPPX                | 1      | S      | E |
| DISTRIBUTED PROCESSING PROGRAM EXECUTIVE | DPPX/BASE  | 5760-010/01 |        | 239        | 179         | 124         | 198         |    |                 | GC27-0400                   | 8100                | 1      | S      | K |
| DISTRIBUTED SYSTEMS EXECUTIVE VER 1      | DSX        | 5748-XXG    |        | 220        | 165         | 41          | 65          |    |                 | GH20-2149                   | OS/VS,DOS/VSE       | 1      | S      | K |
| >DISTRIBUTED SYSTEMS EXECUTIVE VER 2     | DSX        | 5668-986    | P      | 380        | 285         | 41          | 65          |    |                 | GH19-6229                   | OS/VS,DOS/VSE       | 1      | S      | K |
| DMS / DPPX EXECUTION FACILITY            | DMS/DPPX   | 5660-265    |        | 16         | 12          | 12          | 19          |    |                 | GH20-2438                   | DPPX/BASE           | 1      | S      | K |
| >DMS/DPPX MANAGEMENT AID                 |            | 5798-DHH    |        | 240        |             |             |             |    | 01              | GB21-2904                   | DMS/DPPX            | 0      | S      | H |
| DPPX ASSEMBLER                           |            | 5760-AS1    |        | 63         | 47          | 14          | 22          |    |                 | GC27-0411                   | DPPX                | 1      | S      | K |
| DPPX COBOL APPLICATION CROSS REFERENCE   |            | 5798-DDJ    |        | 20         |             |             |             |    | 12              | GB21-2672                   | DPPX                | 1      | S      | H |
| DPPX COBOL COMPILER                      |            | 5760-CB1    |        | 121        | 90          | 20          | 32          |    |                 | GC26-3914                   | DPPX                | 1      | S      | K |
| DPPX COBOL RUN TIME LIBRARY              |            | 5760-LB1    |        | 21         | 15          | 4           | 6           |    |                 | GC26-3914                   | DPPX                | 1      | S      | K |
| DPPX DATA BASE TRANSACTION MANAGEMENT    | DTMS       | 5760-TD1    |        | 124        | 93          | 16          | 26          |    |                 | GC26-3915                   | DPPX                | 1      | S      | K |
| DPPX DATA CAPTURE AND MANAGEMENT SYSTEM  | DCMS       | 5760-XR6    |        | 95         | 71          | 23          | 37          |    |                 | GH20-2421                   | DPPX                | 1      | S      | K |
| DPPX DEVELOPMENT MANAGEMENT SYSTEM       | DMS/DPPX   | 5760-XC2    |        | 117        | 87          | 50          | 80          |    |                 | GH20-2154                   | DPPX                | 1      | S      | K |
| DPPX DISTRIBUTED PRESENTATION SERVICES   | DPS        | 5660-264/01 |        | 53         | 39          | 14          | 22          |    |                 | GC33-0122                   | DPPX                | 1      | S      | K |
| DPPX DISTRIBUTED PRESENTATION SERVICES   | DPS        | 5760-XR1/01 |        | 40         | 30          | 9           | 15          |    |                 | GC33-0090                   | DPPX                | 1      | S      | K |
| DPPX DPCX HOST COMMAND FACILITY          | HCF        | 5735-XR1    |        | 97         | 72          | 27          | 43          |    |                 | GC27-0453                   | OS/VS,DOS/VS        | 1      | S      | K |
| DPPX DTMS DPS TRANSACTION SIMULATION     |            | 5798-DDP    |        | 95         |             |             |             |    | 12              | GB21-2701                   | 8100/DPPX           | 1      | S      | H |
| DPPX FORTRAN COMPILER                    |            | 5760-F01    |        | 97         | 72          | 20          | 32          |    |                 | GC27-0417                   | DPPX                | 1      | S      | K |
| DPPX FORTRAN LIBRARY                     |            | 5760-LM1    |        | 47         | 35          | 12          | 19          |    |                 | GC27-0417                   | DPPX                | 1      | S      | K |
| DPPX INTERACTIVE MAP DEFINITION FEATURE  | IMD        | 5660-264/02 |        | 151        | 113         | 16          | 25          |    |                 | GC33-0122                   | 6000                | 1      | S      | K |
| DPPX INTERACTIVE MAP DEFINITION FEATURE  | IMD        | 5760-XR1/02 |        | 103        | 77          | 13          | 21          |    |                 | GC33-0090                   | 6000                | 1      | S      | K |
| DPPX INTERACTIVE PRODUCTIVITY FACILITY   | IPF/DPPX   | 5660-271    |        | 32         | 24          | 9           | 14          |    |                 | GC27-0400                   | DPPX/BASE WITH 6006 | 1      | S      | K |
| >DPPX MORTGAGE BANKING SYSTEM            |            | 5798-DDN    |        | 515        |             |             |             |    | 12              | GB21-2691                   | DPPX/BASE           | 1      | S      | H |
| DPPX PERFORMANCE TOOL MONITOR            | PT/DPPX    | 5760-XR5/01 |        | 48         |             |             |             |    |                 | GH20-2155                   | DPPX                | 1      | S      | B |
| DPPX PERFORMANCE TOOL REPORTER FEATURE   | PT/DPPX    | 5760-XR5/02 |        | 55         |             |             |             |    |                 | GH20-2155                   | 6002                | 1      | S      | B |
| DPPX PL/I COMPILER                       |            | 5760-PL1    |        | 290        | 217         | 30          | 48          |    |                 | GH19-6081                   | DPPX                | 1      | S      | K |
| DPPX PL/I LIBRARY                        |            | 5760-LM2    |        | 50         | 37          | 8           | 13          |    |                 | GH19-6081                   | DPPX                | 1      | S      | K |
| >DPPX POWER PLANT MAINTENANCE            |            | 5798-DED    |        | 170        |             |             |             |    | 12              | GB21-2729                   | DMS/DPPX            | 1      | S      | H |
| >DPPX PROBLEM DETERMINATION AID          | PDA        | 5660-272    |        | 25         | 18          | 8           | 13          |    |                 | GC27-0400                   | DPPX+NPDA-V2        | 1      | S      | K |
| >DPPX PROGRAMMED OPERATOR FACILITY       |            | 5660-273    |        | 580        | 435         | 5           | 8           | 01 |                 |                             | DPPX/BASE           | 1      | S      | K |
| DPPX REMOTE JOB ENTRY WORKSTATION        | RJE        | 5760-XC1    |        | 32         | 24          | 16          | 26          |    |                 | GC30-3053                   | DPPX TO OS,VSE,VM   | 1      | S      | K |
| DPPX SDLC AUTO ANSWER                    | RPQ-ML2503 | 5799-BDE    |        | 23         | 17          |             |             |    |                 |                             | 8100/DPPX           | 1      | S      | B |
| DPPX SORT MERGE                          |            | 5760-SM1    |        | 28         | 21          | 12          | 19          |    |                 | GC26-3931                   | DPPX                | 1      | S      | K |
| DPPX 3270 DATA STREAM COMPATIBILITY      | DSC        | 5760-RC1    |        | 21         | 15          | 28          | 45          |    |                 | GC27-0400                   | DPPX                | 1      | S      | K |
| DPPX 3644 PARAMETER TABLE GENERATOR      | GEN3644    | 5760-ED1    |        | 24         | 18          | 6           | 10          |    |                 | GC24-5179                   | DPPX                | 1      | S      | K |
| DPPX/BASE COMMAND FACILITY EXTENSIONS    | DPPX/CFE   | 5760-010/02 |        | 18         | 13          | 8           | 12          |    |                 | GC27-0400                   | 6006                | 1      | S      | K |
| DTMS UTILITY                             |            | 5796-PNR    |        | 81         |             |             |             |    | 24              | G320-6397                   | DPPX DTMS           | 1      | S      | H |
| >HOST COMMAND FACILITY DPPX DPCX         | HCF-V2     | 5668-985    |        | 150        | 112         | 30          | 48          |    |                 | GC27-0453                   | DOS/VSE,OS/VS       | 1      | S      | K |
| >IBM HOTEL FRONT OFFICE SYSTEM           |            | 5660-274    | P      | 475        |             |             |             |    | 48              | GH20-5506                   | DMS/DPPX,DPPX/COBOL | 3      | S      | E |

DISTRIBUTED SYSTEMS (8100/DPPX) GBOF-3353 DAPS 1453 (CONT.)

| PROGRAM INFORMATION                        | SHORT NAME | ORDER #         | T<br>C | LIC        | DSLO     | LLPS     | MLPS     | GENERAL   | ENVIRONMENT      | T I S              |              |
|--|------------|-----------------|--------|------------|----------|----------|----------|-----------|------------------|--------------------|--------------|
|  |            |                 |        | FEE        | FEE      | FEE      | FEE      | MO        | INFO             | OR FEATURE #       | P L V        |
| >IBM 8100/DPPX FILE PRINT UTILITY          |            | 5798-DGG        |        | 25         |          |          |          | 12        | GB21-2840        | DPPX               | 1 S H        |
| >ORDER ENTRY USING DPPX/DMS                |            | 5798-DEZ        |        | 175        |          |          |          | 24        | GB21-2794        | DPPX/DMS,DPPX/DTMS | 1 S H        |
| >PLANT FLOOR COLLECTION & LOT TRACKING     |            | 5798-DFG        |        | 310        |          |          |          | 12        | GB21-2881        | DPPX+3640          | 1 S H        |
| >RETAIL MERCHANDISE TICKETING              |            | 5796-BCA        |        | 250        |          |          |          | 24        | G320-6625        | DPPX               | 1 S H        |
| <u>SYSTEM IPO FOR DPPX</u>                 |            | <u>5750-BAL</u> |        | <u>*</u>   | <u>*</u> | <u>*</u> | <u>*</u> |           | <u>GC20-1883</u> |                    | <u>* * *</u> |
| 3640 PRESENTATION SERVICES EXECUTION MGR   | PS3640     | 5660-267/01     |        | 61         | 45       | 16       | 26       |           | GC31-0010        | DPPX/BASE          | 1 S K        |
| 3640 PS INTERACTIVE TRANSACTION GENERATR   | PS3640     | 5660-267/02     |        | 253        | 189      | 44       | 70       |           | GC31-0010        | 6002               | 1 S K        |
| >8100 COBOL APPLICATION INTEGRITY MONITOR  |            | 5798-DGZ        |        | 1000       |          |          |          | 01        | GB21-2885        | DPPX               | 1 S H        |
| 8100 DPPX DEVELOPMENT SYSTEM - DPDS        | RPQ-P88016 | 5799-AZL        |        | 632        |          |          |          |           | GC27-0505        | OS/VS              | 1 S C        |
| <u>8100 DPPX PAYROLL MANAGEMENT SYSTEM</u> |            | <u>5798-DDD</u> |        | <u>300</u> |          |          |          | <u>12</u> | <u>GB21-2666</u> | <u>DPPX/BASE</u>   | <u>1 S H</u> |
| >8100 DPPX SPOOL OUTPUT TRANSCRIPTION      |            | 5798-DHW        |        | 600        |          |          |          | 01        | GB21-2926        | DPPX               | 1 S H        |
| >8100 SEGMENTED ACCESS METHOD              | SAM        | 5796-BCQ        |        | 270        |          |          |          | 12        | G320-6639        | DPPX,DTMS          | 1 S H        |
| 8100 3640 SPECIAL SUPPORT SUBROUTINES      |            | 5798-DEJ        |        | 40         |          |          |          | 12        | GB21-2719        | 8100/DPPX-COBOL    | 1 S H        |

HOST SUPPORT FOR 8100 DISTRIBUTED SYSTEMS GBOF-3354 DAPS 1454

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| CMS HOST DEVELOPMENT, TESTING 8100 COBOL |            | 5785-DCG    |        | 3500       |             |             |             |    | 01              | GB21-2572                   |        |        | 1 S H  |
| COBOL PAYROLL MANAGEMENT SYSTEM          |            | 5798-CYP    |        | 425        |             |             |             |    | 12              | GB21-2399                   |        |        | 1 S H  |
| COMMUNICATIONS DESIGN & DEVELOPMENT AID  |            | 5796-PNL    |        | 150        |             |             |             |    | 12              | G320-6349                   |        |        | 1 S H  |
| DEVELOPMENT MANAGEMENT SYSTEM / DPCX     | DMS/DPCX   | 5748-XC4    |        | 632        | 474         | 75          | 120         |    |                 | GH20-2423                   |        |        | 1 S K  |
| DIRECT DOCUMENT VIEWING FACILITY         | DISOSS     | 5740-XY9/02 |        | 278        |             |             |             |    |                 | GH12-5124                   |        |        | 2 S B  |
| DISPLAY MANAGEMENT SYSTEM / 3790         | DMS/3790   | 5748-XC2/01 |        | 363        |             |             |             |    |                 | GH20-2002                   |        |        | 1 S C  |
| DISTRIBUTED DATA TRANSFER - CONTROLLER   |            | 5798-DCF    |        | 20         |             |             |             |    | 12              | GB21-2594                   |        |        | 1 S H  |
| DISTRIBUTED DATA TRANSFER - HOST         |            | 5798-DCA    |        | 100        |             |             |             |    | 12              | GB21-2594                   |        |        | 1 S H  |
| DISTRIBUTED OFFICE SUPPORT / 370 REL 1   | DISOSS/VSE | 5666-264    |        | 906        | 679         | 160         | 256         |    |                 | GH12-5137                   |        |        | 2 S K  |
| DISTRIBUTED OFFICE SUPPORT / 370 VER 2   | DISOSS/370 | 5668-982    |        | 975        | 731         | 185         | 296         |    |                 | GH12-5139                   |        |        | 2 S K  |
| DISTRIBUTED OFFICE SYSTEM - HOST         | DISOSS     | 5740-XY9/01 |        | 1145       |             |             |             |    |                 | GH12-5124                   |        |        | 2 S B  |
| DISTRIBUTED SYSTEMS EXECUTIVE VER 1      | DSX        | 5748-XXG    |        | 220        | 165         | 41          | 65          |    |                 | GH20-2149                   |        |        | 1 S K  |
| >DISTRIBUTED SYSTEMS EXECUTIVE VER 2     | DSX        | 5668-986    | P      | 380        | 285         | 41          | 65          |    |                 | GH19-6229                   |        |        | 1 S K  |
| DMS/3790 INTERFACE MONITOR               | CIM        | 5748-XC2/02 |        | 242        |             |             |             |    |                 | GH20-2002                   |        |        | 1 S C  |
| DOCUMENT INTERCHANGE FACILITY - CENTRAL  | DIF        | 5668-003    |        | 373        |             |             |             |    |                 | GH20-2440                   |        |        | 1 S B  |
| DPPX DPCX HOST COMMAND FACILITY          | HCF        | 5735-XR1    |        | 97         | 72          | 27          | 43          |    |                 | GC27-0453                   |        |        | 1 S K  |
| >DPPX PROBLEM DETERMINATION AID          | PDA        | 5660-272    |        | 25         | 18          | 8           | 13          |    |                 | GC27-0400                   |        |        | 1 S K  |
| >HOST COMMAND FACILITY DPPX DPCX         | HCF-V2     | 5668-985    |        | 150        | 112         | 30          | 48          |    |                 | GC27-0453                   |        |        | 1 S K  |
| HOST PRINT FACILITY                      | DISOSS     | 5740-XY9/04 |        | 139        |             |             |             |    |                 | GH12-5124                   |        |        | 2 S B  |
| STAIRS INPUT FORMATTER                   | DISOSS     | 5740-XY9/03 |        | 208        |             |             |             |    |                 | GH12-5124                   |        |        | 2 S B  |
| TSO HOST DEVELOPMENT, TESTING 8100 COBOL |            | 5785-DCF    |        | 4000       |             |             |             |    | 01              | GB21-2570                   |        |        | 1 S H  |
| 3730 DISTRIBUTED OFFICE SUPPORT FOR 6670 |            | 5798-DCW    |        | 125        |             |             |             |    | 12              | GB21-2631                   |        |        | 1 S H  |
| 3790 3770 HOST SUPPORT                   |            | 5744-BZ3    |        |            |             |             |             |    |                 | GC22-9071                   |        |        | 0 S N  |
| 3790 3770 HOST SUPPORT DPCX              |            | 5747-BQ1    |        |            |             |             |             |    |                 | GC22-9071                   |        |        | 0 S N  |
| 8100/DPCX HOST LICENSED PROGRAM SUPPORT  | HOST PREP  | 5735-XR3    |        | 187        | 140         | 60          | 96          |    |                 | GC27-0572                   |        |        | 1 S K  |

SERIES/1 SYSTEMS GBOF-3355 DAPS 1455

| <u>PROGRAM INFORMATION</u>               | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S</u> | <u>P L Y</u> |
|--|-------------------|----------------|----------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------|--------------|
| ADVANCED CONTROL SYSTEM - SERIES/1 ACS   | RPQ-P09032        | 5799-BEW       |          | 1415           |                 |                 |                 | 12        |                     | 5799-AHE                        | 2            | S E          |
| >AUDIO SUPPORT FOR TOUCH-TONE            |                   | 5798-NXX       |          | 201            |                 |                 |                 | 12        | GB30-1350           | SERIES/1                        | 1            | S H          |
| >AUTOMATED INSTRUMENT CONTROL            |                   | 5798-NYJ       | P        | 15             |                 |                 |                 | 12        | GB30-1381           | SERIES/1                        | 1            | S H          |
| >BASE PROGRAM PREPARATION FACILITY       | CPS               | 5719-PA1       | R        | 113            |                 |                 |                 | 24        | GC34-0091           | SERIES/1                        | 1            | S C          |
| >BSC-CONTROL PROGRAM SUPPORT             | RPQ-P82516        | 5799-TAF       | R        | 5              |                 |                 |                 | 24        | SC34-1553           | SERIES/1                        | 1            | S C          |
| >CHAMPION DISTRIBUTED PROC SYSTEM        |                   | 5796-NRD       | P        | 195            |                 |                 |                 | 12        | GB30-1207           | SERIES/1                        | 1            | S H          |
| >COBOL COMPILER & RESIDENT LIBRARY       | COBOL/RPS         | 5719-CB1       | R        | 90             |                 |                 |                 |           | GC34-0236           | SERIES/1                        | 1            | S C          |
| >COBOL TRANSIENT LIBRARY                 | COBOL/RPS         | 5719-CB2       | R        | 8              |                 |                 |                 |           | GC34-0237           | SERIES/1                        | 1            | S C          |
| >COMMUNICATION MONITOR FOR SERIES/1 RPS  | RPQ-P82598        | 5799-TCX       |          | 5220           |                 |                 |                 | 01        | GL23-0002           | SERIES/1                        | 1            | S C          |
| >COMMUNICATIONS MONITOR FOR SERIES/1     |                   | 5719-CM1       | R        | 139            |                 |                 |                 |           | GL23-0049           | SERIES/1                        | 1            | S E          |
| >CONTROL PROGRAM SUPPORT                 | RPQ-P82508        | 5799-TAA       | R        | 20             |                 |                 |                 | 24        | GC34-1557           | SERIES/1                        | 1            | S C          |
| >CONTROLLED ACCESS SYSTEM - 1            |                   | 5798-NQJ       | P        | 166            |                 |                 |                 | 12        | GB30-1175           | SERIES/1                        | 1            | S H          |
| >CPS ADDRESS TRANSLATOR SUPPORT          | RPQ-P82536        | 5799-TBT       | R        | 7              |                 |                 |                 | 24        | GC34-1601           | SERIES/1                        | 1            | S C          |
| >CPS AUTO-CALL INTERFACE                 | RPQ-P82533        | 5799-TBC       | R        | 6              |                 |                 |                 | 24        | SC34-1552           | SERIES/1                        | 1            | S C          |
| >CPS COMMERCIAL ARITHMETIC               | RPQ-P82534        | 5799-TBD       | R        | 2              |                 |                 |                 | 24        | SC34-1566           | SERIES/1                        | 1            | S C          |
| >CPS DISK SPOOLING                       | RPQ-P82529        | 5799-TAY       | R        | 3              |                 |                 |                 | 24        | SC34-1563           | SERIES/1                        | 1            | S C          |
| >CPS DISK TABLE OF CONTENTS              | RPQ-P82528        | 5799-TAW       | R        | 1              |                 |                 |                 | 24        | SC34-1561           | SERIES/1                        | 1            | S C          |
| >CPS EXTENDED FUNCTION                   | RPQ-P82535        | 5799-TBQ       | R        | 3              |                 |                 |                 | 24        | GC34-1586           | SERIES/1                        | 1            | S C          |
| >CPS EXTENSION I                         | RPQ-P82525        | 5799-TAL       | R        | 2              |                 |                 |                 | 24        | SC34-1552           | SERIES/1                        | 1            | S C          |
| >CPS EXTENSION II                        | RPQ-P82526        | 5799-TAQ       | R        | 2              |                 |                 |                 | 24        | SC34-1559           | SERIES/1                        | 1            | S C          |
| >CPS FORMAT/PRINT                        | RPQ-P82530        | 5799-TBA       | R        | 3              |                 |                 |                 | 24        | SC34-1564           | SERIES/1                        | 1            | S C          |
| >CPS OPER STATION/DEBUG PACK             | RPQ-P82532        | 5799-TBB       | R        | 10             |                 |                 |                 | 24        | SC34-1562           | SERIES/1                        | 1            | S C          |
| >CPS SORT/MERGE                          | RPQ-P82527        | 5799-TAT       | R        | 6              |                 |                 |                 | 24        | SC34-1560           | SERIES/1                        | 1            | S C          |
| >CPS 4963 SUBSYSTEM                      | RPQ-P82541        | 5799-TCZ       | R        | 15             |                 |                 |                 | 24        | GC34-1638           | SERIES/1                        | 1            | S C          |
| >CPS 4963/4966 SAVE/RESTORE              | RPQ-P82539        | 5799-TDK       | R        | 15             |                 |                 |                 | 24        | GC34-1622           | SERIES/1                        | 1            | S C          |
| >CPS 4965 SUPPORT                        | RPQ-P82636        | 5799-TEK       | R        | 42             |                 |                 |                 | 24        | GC34-1717           | SERIES/1                        | 1            | S E          |
| >CPS 4969 MAG TAPE SUBSYSTEM             | RPQ-P82621        | 5799-TDW       | R        | 56             |                 |                 |                 | 24        | GC34-0347           | SERIES/1                        | 1            | S C          |
| >CPS 4978/4979 DISPLAY MAP               | RPQ-P82531        | 5799-TBE       | R        | 5              |                 |                 |                 | 24        | GC34-1585           | SERIES/1                        | 1            | S C          |
| >DATA COLLECT INTERACTIVE EDX            | RPQ-P82600        | 5799-TDE       | R        | 39             |                 |                 |                 |           | GC34-1652           | SERIES/1                        | 1            | S C          |
| >DEBUGGING AID                           |                   | 5796-NPP       | P        | 189            |                 |                 |                 | 01        | GB30-1098           | SERIES/1                        | 0            | S H          |
| >EDX BASIC SUPERV & EMULATOR-VER2        |                   | 5798-NRR       | P        | 16             |                 |                 |                 |           | GB30-1212           | SERIES/1                        | 1            | S H          |
| >EDX BASIC SUPERVISOR AND EMULATOR VER 3 |                   | 5719-XS3       | R        | 37             |                 |                 |                 |           | GC34-1696           | SERIES/1                        | 1            | S E          |
| >EDX COBOL COMPILER & RESIDENT LIBRARY   |                   | 5719-CB3       | R        | 90             |                 |                 |                 |           | GL23-0012           | SERIES/1                        | 1            | S C          |
| >EDX COBOL COMPILER & RESIDENT LIBR V 2  |                   | 5719-CB5       | R        | 118            |                 |                 |                 |           | GC34-0388           | SERIES/1                        | 1            | S E          |
| >EDX COBOL TRANSIENT LIBRARY             |                   | 5719-CB4       | R        | 8              |                 |                 |                 |           | GL23-0013           | SERIES/1                        | 1            | S C          |
| >EDX COBOL TRANSIENT LIBRARY VERSION 2   |                   | 5719-CB6       | R        | 15             |                 |                 |                 |           | GC34-0389           | SERIES/1                        | 1            | S E          |
| >EDX COMMUNICATIONS FACILITY             | EDX/CF            | 5719-CF1       | R        | 55             |                 |                 |                 |           | GL23-0070           | SERIES/1                        | 1            | S E          |
| >EDX COMMUNICATIONS FACILITY             |                   | 5798-ZZC       | P        | 40             |                 |                 |                 | 36        | GB30-1307           | SERIES/1                        | 1            | S H          |
| >EDX INDEXED ACCESS METHOD               | IAM-EDX           | 5719-AM3       | R        | 22             |                 |                 |                 |           | GC34-0345           | SERIES/1                        | 1            | S C          |
| >EDX INDEXED ACCESS METHOD VERSION 2     | IAM               | 5719-AM4       | R        | 38             |                 |                 |                 |           | SC34-0404           | SERIES/1                        | 1            | S E          |

SERIES/1 SYSTEMS GBOF-3355 DAPS 1455 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS   | GENERAL   | ENVIRONMENT  | T I S |
|---|------------|-------------|---|------|------|------|--------|-----------|--------------|-------|
|   |            |             | C | FREE | FEE  | FEE  | FEE MO | INFO      | OR FEATURE # | P L V |
| >EDX MACRO ASSEMBLER                      |            | 5719-ASA    | R | 17   |      |      |        | GS34-0305 | SERIES/1     | 1 S C |
| >EDX MACRO LIBRARY VERSION 1              |            | 5719-LM5    | R | 37   |      |      |        | GC34-0304 | SERIES/1     | 1 S C |
| >EDX MACRO LIBRARY VERSION 2              |            | 5719-LM6    | R | 49   |      |      |        | GC34-0356 | SERIES/1     | 1 S E |
| >EDX MACRO LIBRARY VERSION 3              |            | 5719-LM7    | R | 67   |      |      |        | GC34-1698 | SERIES/1     | 1 S E |
| >EDX MACRO LIBRARY/HOST VERSION 1         |            | 5740-LM2    |   | 111  |      |      |        | GC34-0305 | SERIES/1     | 1 S C |
| >EDX MACRO LIBRARY/HOST VERSION 2         |            | 5740-LM3    |   | 151  |      |      |        | GC34-0357 | SERIES/1     | 1 S C |
| >EDX MACRO LIBRARY/HOST VERSION 3         |            | 5740-LM4    |   | 189  |      |      |        | GC34-1699 | SERIES/1     | 1 S E |
| >EDX MATH & FUNCTIONAL SUBROUTINE LIBRARY |            | 5719-LM3    | R | 10   |      |      |        | GC34-0137 | SERIES/1     | 1 S C |
| >EDX MULTIPLE TERMINAL MANAGER            | MTM        | 5719-MS1    | R | 20   |      |      |        | GC34-0346 | SERIES/1     | 1 S C |
| >EDX MULTIPLE TERMINAL MANAGER VERSION 2  | MTM        | 5719-MS2    | R | 22   |      |      |        | GC34-0346 | SERIES/1     | 1 S E |
| >EDX PROGRAM PREP FACILITY                |            | 5798-NRP    | P | 14   |      |      |        | GB30-1212 | SERIES/1     | 1 S H |
| >EDX PROGRAM PREPARATION FACILITIES VER 1 |            | 5719-XX2    | R | 20   |      |      |        | GC34-0303 | SERIES/1     | 1 S C |
| >EDX PROGRAM PREPARATION FACILITIES VER 2 |            | 5719-XX3    | R | 26   |      |      |        | GC34-0301 | SERIES/1     | 1 S C |
| >EDX PROGRAM PREPARATION FACILITY VER 3   |            | 5719-XX4    | R | 36   |      |      |        | GC34-1707 | SERIES/1     | 1 S E |
| >EDX SORT/MERGE                           |            | 5719-SM2    | R | 10   |      |      |        | GL23-0015 | SERIES/1     | 1 S C |
| >EDX SUPERMARKET ENERGY MANAGEMNT         |            | 5798-NTH    |   | 115  |      |      | 12     | GB30-1233 | SERIES/1     | 1 S H |
| >EDX SUPERVISOR & EMULATOR VERSION 1      |            | 5719-XS1    | R | 21   |      |      |        | GC34-0301 | SERIES/1     | 1 S C |
| >EDX SUPERVISOR & EMULATOR VERSION 2      |            | 5719-XS2    | R | 28   |      |      |        | GC34-0353 | SERIES/1     | 1 S C |
| >EDX SYSTEM NETWORK ARCHITECT             | SNA        | 5719-SX1    | R | 51   |      |      |        | SC34-0402 | SERIES/1     | 1 S E |
| >EDX SYSTEM NETWORK ARCHITECT             | RJE SNA    | 5719-SX2    | R | 25   |      |      |        | SC34-0402 | SERIES/1     | 1 S E |
| >EDX SYSTEM/370 CHANNEL ATTACHMENT        |            | 5719-CX1    | R | 76   |      |      |        | SC34-1701 | SERIES/1     | 1 S E |
| >EDX UTILITIES - VERSION 2                |            | 5798-NRQ    | P | 12   |      |      |        | GB30-1212 | SERIES/1     | 1 S H |
| >EDX UTILITIES VERSION 1                  |            | 5719-UT3    | R | 15   |      |      |        | GC34-0302 | SERIES/1     | 1 S C |
| >EDX UTILITIES VERSION 3                  |            | 5719-UT5    | R | 30   |      |      |        | GC34-1697 | SERIES/1     | 1 S E |
| >EDX UTILITY VERSION 2                    |            | 5719-UT4    | R | 22   |      |      |        | GC34-0354 | SERIES/1     | 1 S C |
| >ENERGY SPECIAL FEATURE (6000/1)          | FC/PM3     | 5719-U14/02 | R | 66   |      |      | 48     | GH30-0094 | SERIES/1     | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM1     | 5719-U11    | R | 164  |      |      | 48     | GC34-0063 | SERIES/1     | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM2     | 5719-U12/01 | R | 236  |      |      | 48     | GH30-0094 | SERIES/1     | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM4     | 5719-U13    | R | 325  |      |      | 48     | GH30-0500 | SERIES/1     | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM2M    | 5719-U14/01 | R | 116  |      |      | 48     | GH30-0094 | SERIES/1     | 1 S C |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM4M    | 5719-U15    | R | 144  |      |      | 48     | GH30-0500 | SERIES/1     | 1 S C |
| >ENERGY 3 SPECIAL FEATURE (6000/1)        | FC/PM3     | 5719-U12/02 | R | 66   |      |      | 48     | GH30-0094 | SERIES/1     | 1 S C |
| >EVENT DRIVEN EXEC MACRO LIBRARY          |            | 5798-NNB    | P | 28   |      |      |        | GB30-1052 | SERIES/1     | 1 S H |
| >EVENT DRIVEN EXEC SUPERVISOR             |            | 5798-NND    | P | 13   |      |      |        | GB30-1052 | SERIES/1     | 1 S H |
| >EVENT DRIVEN EXEC UTILITIES              |            | 5798-NNC    | P | 10   |      |      |        | GB30-1052 | SERIES/1     | 1 S H |
| >EVENT DRIVEN EXECUTIVE QUERY             | EDX QUERY  | 5719-XR1    | R | 22   |      |      |        | GC34-0457 | SERIES/1     | 1 S E |
| >FACILITIES CONTROL MULTIPLEXER           |            | 5798-NNB    |   | 138  |      |      | 12     | GB30-1275 | SERIES/1     | 1 S H |
| >FORT IV COMPIL & OBJ SUP LIB VER 2       |            | 5719-F02    | R | 17   |      |      |        | GC34-0306 | SERIES/1     | 1 S C |
| >FORTRAN IV COMPIL & OBJ SUPPORT LIBRARY  | RPS        | 5719-F01    | R | 17   |      |      |        | GC34-0131 | SERIES/1     | 1 S C |
| >FORTRAN IV REALTIME SUBROU LIBR VER 2    | RPS        | 5719-F04    | R | 8    |      |      |        | GC34-0140 | SERIES/1     | 1 S C |

SERIES/1 SYSTEMS GBOF-3355 DAPS 1455 (CONT.)

| <u>PROGRAM INFORMATION</u>                | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u> | <u>ENVIRONMENT</u>  | <u>T I S</u> |
|---|-------------------|----------------|----------|------------|-------------|-------------|-------------|----------------|---------------------|--------------|
|   |                   |                | <u>C</u> | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  | <u>INFO</u>    | <u>OR FEATURE #</u> | <u>P L V</u> |
| >FORTRAN IV REALTIME SUBROUTINE LIBRARY   | RPS               | 5719-F03       | R        | 7          |             |             |             | GC34-0140      | SERIES/1            | 1 S C        |
| >HVY EQUIP DLR PARTS OE/INV STAT          |                   | 5796-NWZ       |          | 575        |             |             | 12          | GB30-1322      | SERIES/1            | 1 S H        |
| >IBM AUDIO DISTRIBUTION SYSTEM            | RPS               | 5719-U20       | R        | 350        |             |             |             | GC34-0401      | SERIES/1            | 1 S E        |
| >INDEXED ACCESS METHOD CPS                | RPQ-P82519        | 5799-TAH       | R        | 6          |             |             | 24          | SC34-1556      | SERIES/1            | 1 S C        |
| >INTELLIGENT DATA ENTRY SYS II            |                   | 5798-NXQ       | P        | 109        |             |             | 24          | GB30-1352      | SERIES/1            | 1 S H        |
| >INTELLIGENT DATE ENTRY SYSTEM            |                   | 5798-NPY       | P        | 63         |             |             | 12          | GB30-1134      | SERIES/1            | 1 S H        |
| >INTELLIGENT TERMINAL SUBSYSTEM           |                   | 5798-NLG       |          | 126        |             |             | 12          | GB30-1032      | SERIES/1            | 1 S H        |
| >ITS PRINT SPOOL                          |                   | 5798-NXD       |          | 92         |             |             | 12          | GB30-1305      | SERIES/1            | 1 S H        |
| >MATH & FUNCTIONAL SUBROU LIBRARY (MFSL)  | RPS               | 5719-LM1       | R        | 9          |             |             |             | GC34-0138      | SERIES/1            | 1 S C        |
| >MATHEMATICAL AND FUNCTIONAL SUBROUTINE   | RPS               | 5719-LM2       | R        | 10         |             |             |             | GC34-0138      | SERIES/1            | 1 S C        |
| >MULTILEAVING REMOTE JOB ENTRY            |                   | 5796-NTY       | P        | 143        |             |             | 12          | GB30-1272      | SERIES/1            | 1 S H        |
| >PACKET NETWORK SUPPORT RPS               | RPQ-P10008        | 5799-TCP       | R        | 52         |             |             |             |                | SERIES/1            | 1 S E        |
| >PL/I COMPIL & RESIDENT LIBRARY VER 2     | RPS               | 5719-PL2       | R        | 148        |             |             |             | GC34-0281      | SERIES/1            | 1 S C        |
| >PL/I COMPILER AND RESIDENT LIBRARY       | RPS               | 5719-PL1       | R        | 59         |             |             |             | GC34-0084      | SERIES/1            | 1 S C        |
| >PL/I EDX COMPILER & RESIDENT LIBRARY     |                   | 5719-PL5       | R        | 148        |             |             |             | GC34-0145      | SERIES/1            | 1 S C        |
| >PL/I EDX TRANSIENT LIBRARY               |                   | 5719-PL6       | R        | 28         |             |             |             | GC34-0146      | SERIES/1            | 1 S C        |
| >PL/I TRANSIENT LIBRARY                   | RPS               | 5719-PL3       | R        | 7          |             |             |             | GC34-0092      | SERIES/1            | 1 S C        |
| >PL/I TRANSIENT LIBRARY VERSION 2         | RPS               | 5719-PL4       | R        | 28         |             |             |             | GC34-0282      | SERIES/1            | 1 S C        |
| >POINT OF SALE DATA COLLECTION            |                   | 5798-NYA       |          | 258        |             |             | 12          | GB30-1397      | SERIES/1            | 1 S H        |
| >PROG COMM SUBSYS_EXTEND EXECU SUPPORT    | RPS               | 5719-CS2       | R        | 25         |             |             |             | GC34-0186      | SERIES/1            | 1 S C        |
| >PROG COMM SUBSYSTEM EXECUTION SUPPORT    | RPS               | 5719-CS1       | R        | 8          |             |             |             | GC34-0186      | SERIES/1            | 1 S C        |
| >PROG COMM SUBSYSTEM PREPARATION FACILITY | RPS               | 5719-CS0       | R        | 10         |             |             |             | GC34-0183      | SERIES/1            | 1 S C        |
| >PROGRAM PREPARATION SUBSYSTEM            | RPS/PPS           | 5719-AS1       | R        | 23         |             |             |             | GC34-0121      | SERIES/1            | 1 S C        |
| >PROGRAM PREPARATION SUBSYSTEM VERSION 2  | RPS/PPS           | 5719-AS2       | R        | 25         |             |             |             | GC34-0127      | SERIES/1            | 1 S C        |
| >PROGRAM PREPARATION SUBSYSTEM VERSION 3  | RPS/PPS           | 5719-AS3       | R        | 28         |             |             |             | GC34-0221      | SERIES/1            | 1 S C        |
| >PROGRAM PREPARATION SUBSYSTEM VERSION 4  | RPS/PPS           | 5719-AS4       | R        | 30         |             |             |             | GC34-0270      | SERIES/1            | 1 S C        |
| >PROGRAM PREPARATION SUBSYSTEM VERSION 5  | RPS/PPS           | 5719-AS5       | R        | 120        |             |             |             | GC34-0352      | SERIES/1            | 1 S E        |
| >PXS EXECUTION SUPPORT                    |                   | 5796-NTQ       | P        | 52         |             |             | 12          | GB30-1255      | SERIES/1            | 1 S H        |
| >PXS PREPARATION SUPPORT                  |                   | 5796-NTP       | P        | 52         |             |             | 12          | GB30-1255      | SERIES/1            | 1 S H        |
| >REALTIME PROG SYS MULT TERM MGR VER 3    | MTM               | 5719-MT1       | R        | 30         |             |             |             | GC34-0456      | SERIES/1            | 1 S E        |
| >REALTIME PROGRAMMING SYSTEM              | RPS               | 5719-PC1       | R        | 25         |             |             |             | GC34-0102      | SERIES/1            | 1 S C        |
| >REALTIME PROGRAMMING SYSTEM QUERY        | RPS QUERY         | 5719-XR2       | R        | 22         |             |             |             | GC34-0457      | SERIES/1            | 1 S E        |
| >REALTIME PROGRAMMING SYSTEM VERSION 2    | RPSV2             | 5719-PC2       | R        | 32         |             |             |             | GC34-0114      | SERIES/1            | 1 S C        |
| >REALTIME PROGRAMMING SYSTEM VERSION 3    | RPSV3             | 5719-PC3       | R        | 40         |             |             |             | GC34-0193      | SERIES/1            | 1 S C        |
| >REMOTE JOB ENTRY FOR CPS                 |                   | 5798-NPZ       | P        | 29         |             |             | 12          | GB30-1134      | SERIES/1            | 1 S H        |
| >REMOTE JOB ENTRY RPS RUE                 | RPQ-P82575        | 5799-TBK       | R        | 38         |             |             |             | GC34-1599      | SERIES/1            | 1 S C        |
| >RPS COBOL COMPILER & RESIDENT LIBR V 2   | COBOL/RPS         | 5719-CB7       | R        | 118        |             |             |             | GC34-0390      | SERIES/1            | 1 S E        |
| >RPS COBOL TRANSIENT LIBRARY VERSION 2    | COBOL/RPS         | 5719-CB8       | R        | 15         |             |             |             | GC34-0391      | SERIES/1            | 1 S E        |
| >RPS DISK SPOOLING VERSION 3              | RPQ-P82574        | 5799-TCH       | R        | 3          |             |             |             | SC34-1594      | SERIES/1            | 1 S C        |
| >RPS INDEXED ACCESS METHOD                | IAM-RPS           | 5719-AM1       | R        | 20         |             |             |             | GC34-0292      | SERIES/1            | 1 S C        |



SERIES/1 SYSTEMS GB0F-3355 DAPS 1455 (CONT.)

| PROGRAM INFORMATION                     | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT  | T | I | S |
|---|------------|-------------|---|------|------|------|------|-----------|--------------|---|---|---|
|   |            |             | C | FEE  | FEE  | FEE  | FEE  | INFO      | OR FEATURE # | P | L | V |
| >RPS INDEXED ACCESS METHOD VER 2        | IAM-V2RPS  | 5719-AM2    | R | 38   |      |      |      | GC34-0395 | SERIES/1     | 1 | S | E |
| >RPS JOB STREAM PROCESSOR               | RPQ-P82635 | 5799-TEC    | R | 12   |      |      |      | GC34-0398 | SERIES/1     | 1 | S | E |
| >RPS MULT TERMINAL MANAGER V 2          | RPQ-P82622 | 5799-TDX    |   | 1550 |      |      | 12   | GC34-1691 | SERIES/1     | 1 | S | E |
| >RPS MULTIPLE TERMINAL MANAGER          | RPQ-P82596 | 5799-TCY    | R | 921  |      |      |      | SC34-1658 | SERIES/1     | 1 | S | C |
| >RPS REMOTE MANAGEMENT UTILITY          | RPQ-P82597 | 5799-TDH    | R | 7    |      |      |      | GC34-1663 | SERIES/1     | 1 | S | C |
| >RPS SCREEN FORMAT DESIGN AID UTILITY   |            | 5719-SF1    | R | 17   |      |      |      | GC34-0326 | SERIES/1     | 1 | S | C |
| >RPS SCREEN FORMAT PRESENTATION SUPPORT |            | 5719-SF2    | R | 25   |      |      |      | GC34-0326 | SERIES/1     | 1 | S | C |
| >RPS TRANSIENT ACTIVITY TOOL V 1        | RPQ-P82606 | 5799-TDG    | R | 6    |      |      |      | GC34-0286 | SERIES/1     | 1 | S | C |
| >RPS VER 4 (WITH CMD LANGUAGE FACILITY) | RPSV4CL    | 5719-PC4/01 | R | 62   |      |      |      | GC34-0202 | SERIES/1     | 1 | S | C |
| >RPS VER 4 (WITHOUT CMD LANG FACILITY)  | RPSV4      | 5719-PC4/02 | R | 48   |      |      |      | GC34-0202 | SERIES/1     | 1 | S | C |
| >RPS VER 5 (WITH CMD LANGUAGE FACILITY) | RPSV5CL    | 5719-PC5/01 | R | 126  |      |      |      | GC34-0351 | SERIES/1     | 1 | S | E |
| >RPS VER 5 (WITHOUT CMD LANG FACILITY)  | RPSV5      | 5719-PC5/02 | R | 108  |      |      |      | GC34-0351 | SERIES/1     | 1 | S | E |
| >RPS VERSION 5 SNA EXTENDED SUPPORT     |            | 5719-SN1    | R | 74   |      |      |      | GC34-0349 | SERIES/1     | 1 | S | E |
| >RPS 4978 DISPLAY SUPPORT VER 3         | RPQ-P82572 | 5799-TCE    | R | 3    |      |      |      | SC34-1592 | SERIES/1     | 1 | S | C |
| >S/1 AIR QUALITY MONITORING SYS         |            | 5798-RDQ    |   | 560  |      |      | 12   | GB30-1591 | SERIES/1     | 1 | S | H |
| >S/1 AUTO DEALER SYSTEM                 |            | 5796-RFG    |   | 730  |      |      | 24   | GB30-1723 | SERIES/1     | 1 | S | H |
| >S/1 CENTRAL TOLL DATA COLLEC           |            | 5798-NYG    |   | 185  |      |      | 12   | GB30-1651 | SERIES/1     | 1 | S | H |
| >S/1 CLIENT/PROSPECT FILE INSUR         |            | 5798-RGE    |   | 1100 |      |      | 01   | GB30-1745 | SERIES/1     | 1 | S | H |
| >S/1 COMM CONTROLLER FOR S/38           |            | 5798-ZEF    |   | 250  |      |      | 12   | GB30-1579 | SERIES/1     | 1 | S | H |
| >S/1 COMMUNICATING JOB STREAM           |            | 5798-RFC    |   | 650  |      |      | 01   | GB30-1628 | SERIES/1     | 1 | S | H |
| >S/1 DATA CAPTURE/INTER EDIT B/C        |            | 5798-RHP    |   | 150  |      |      | 12   | GB30-1708 | SERIES/1     | 1 | S | H |
| >S/1 DATA COLLEC EDIT & TRANSMIT        |            | 5798-RCX    | P | 138  |      |      | 12   | GB30-1552 | SERIES/1     | 1 | S | H |
| >S/1 EDX CF AIRLINE SUPPORT             |            | 5798-ZZE    | P | 50   |      |      | 24   | GB30-1550 | SERIES/1     | 1 | S | H |
| >S/1 EDX CF II                          |            | 5798-RDT    | P | 55   |      |      | 36   | GB30-1593 | SERIES/1     | 1 | S | H |
| >S/1 EDX CHAIN PHARMACY SYS             |            | 5798-RGD    | P | 2200 |      |      | 01   | GB30-1699 | SERIES/1     | 1 | S | H |
| >S/1 EDX ENERGY CONSERVATION SYS        |            | 5798-RAB    | P | 149  |      |      | 24   | GB30-1450 | SERIES/1     | 1 | S | H |
| >S/1 EDX FILE CREATION                  |            | 5798-RBL    | P | 46   |      |      | 12   | GB30-1496 | SERIES/1     | 1 | S | H |
| >S/1 EDX LAB AUTOMATION                 |            | 5798-RHB    |   | 300  |      |      | 12   | GB30-1688 | SERIES/1     | 1 | S | H |
| >S/1 EDX RETAIL PHARMACY SYSTEM         |            | 5796-NZT    |   | 195  |      |      | 24   | GB30-1421 | SERIES/1     | 1 | S | H |
| >S/1 GENL PURP AUTO EXEC (GPAX)         |            | 5798-RCZ    | P | 250  |      |      | 24   | GB30-1565 | SERIES/1     | 1 | S | H |
| >S/1 HOST PL/1 - EDX                    |            | 5798-NZK    |   | 960  |      |      | 24   | GB30-1486 | SERIES/1     | 1 | S | H |
| >S/1 HOST PL/1 - RPS                    |            | 5798-NZJ    |   | 960  |      |      | 24   | GB30-1483 | SERIES/1     | 1 | S | H |
| >S/1 NATIVE APPL LOAD FAC - VER 2       |            | 5798-RBR    |   | 172  |      |      | 12   | GB30-1071 | SERIES/1     | 1 | S | H |
| >S/1 PXS VER 3 DEVELOP SUPP             |            | 5796-REE    |   | 85   |      |      | 12   | GB30-1600 | SERIES/1     | 1 | S | H |
| >S/1 PXS VER 3 OPNS/APPL SUPP           |            | 5796-REF    |   | 85   |      |      | 12   | GB30-1600 | SERIES/1     | 1 | S | H |
| >S/1 REMOTE TOLL DATA COLLEC            |            | 5798-NYH    |   | 100  |      |      | 12   | GB30-1653 | SERIES/1     | 1 | S | H |
| >S/1 SPEC TERM INTERFACE PROCESSO       |            | 5798-RBQ    |   | 120  |      |      | 24   |           | SERIES/1     | 1 | S | H |
| >S/1 TEL TOLL DATA COL AE-SATT          |            | 5798-RFX    |   | 105  |      |      | 12   | GB30-1653 | SERIES/1     | 1 | S | H |
| >S/1 TEL TOLL DATA COL NT-400           |            | 5798-RGB    |   | 105  |      |      | 12   | GB30-1653 | SERIES/1     | 1 | S | H |
| >S/1 TEL TOLL DATA COL NT-500           |            | 5798-RFY    |   | 105  |      |      | 12   | GB30-1653 | SERIES/1     | 1 | S | H |

SERIES/1 SYSTEMS GBOF-3355 DAPS 1455 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIPONMENT       | T I S    |       |
|--|------------|----------|---|------|------|------|------|---------|-------------------|----------|-------|
|  |            |          | C | FEE  | FEE  | FEE  | FEE  | MO      | OR FEATURE #      | P L V    |       |
| >S/1 TEL TOLL DATA COL SC-75             |            | 5798-RGC |   | 105  |      |      |      | 12      | GB30-1653         | SERIES/1 | 1 S H |
| >S/1 TELEPHONE LISTING MGMT SYS          |            | 5798-NZZ | P | 180  |      |      |      | 12      | GB30-1452         | SERIES/1 | 1 S H |
| >S/1 TEXT ENTRY & EDIT FACILITY          |            | 5798-RAR | P | 276  |      |      |      | 12      | GB30-1470         | SERIES/1 | 1 S H |
| >S/1 TEXT ROUTING SYSTEM                 |            | 5798-NZG |   | 373  |      |      |      | 24      | GB30-1435         | SERIES/1 | 1 S H |
| >S/1 VIRTUAL BASIC SUPERVISOR            |            | 5798-RBY | P | 29   |      |      |      | 36      | GB30-1466         | SERIES/1 | 1 S H |
| >S/1 WATERLOO VIRTUAL BASIC              |            | 5796-RAL | P | 98   |      |      |      | 36      | GB30-1466         | SERIES/1 | 1 S H |
| >S/1 X-RAY SEARCH/MATCH                  |            | 5798-RCG |   | 460  |      |      |      | 12      | GB30-1381         | SERIES/1 | 1 S H |
| >S/1 YALE ASCII TERM COMM SYSTEM         |            | 5796-RBT | P | 143  |      |      |      | 24      | GB30-1509         | SERIES/1 | 1 S H |
| >S/1 3101 FULL SCREEN CPS                |            | 5798-RFF | P | 282  |      |      |      | 01      | GB30-1639         | SERIES/1 | 1 S H |
| >S/1 3101/3275 DISP MGR SUBSYS           |            | 5798-ZZD |   | 5750 |      |      |      | 01      | SERIES/1          | SERIES/1 | 1 S H |
| >S/370 PROGRAM PREP FOR SERIES/1         |            | 5798-NNQ | P | 598  |      |      |      | 12      | GB30-1071         | SERIES/1 | 1 S H |
| >SERIES/1 COMMUNICATIONS FACILITY/HOST   |            | 5668-979 | P | 175  |      |      |      |         | EDX,DS/VS,DOS/VSE | SERIES/1 | 1 S B |
| >SERIES/1 ESS/I WITH HOOKS               |            | 5796-RBB | P | 345  |      |      |      | 12      | GB30-1474         | SERIES/1 | 1 S H |
| >SERIES/1 LETTER WRITER-V1 RPS           | RPQ-P82630 | 5799-TEH | R | 80   |      |      |      | 12      | GH30-0711         | SERIES/1 | 1 S E |
| >SERIES/1 LETTER WRITER-V2 RPS           | RPQ-P82667 | 5799-TEY | R | 100  |      |      |      | 12      | SERIES/1          | SERIES/1 | 1 S E |
| >SNA REMOTE MANAGEMENT UTILITY RPS       | RPQ-P82639 | 5799-TEF | R | 9    |      |      |      |         | GC34-1711         | SERIES/1 | 1 S E |
| >SORT/MERGE                              | RPS        | 5719-SM1 | R | 9    |      |      |      |         | GC34-0239         | SERIES/1 | 1 S C |
| >STAND-ALONE DISK UTILITIES              | CPS        | 5719-SC2 |   |      |      |      |      |         | GC34-0070         | SERIES/1 | 0 S C |
| >STRUCTURED PROGRAM FACILITY MVS/TCAM    |            | 5719-CR2 |   | 265  |      |      |      | 24      | GC34-1637         | SERIES/1 | 1 S C |
| >STRUCTURED PROGRAM FACILITY MVS/VTAM    |            | 5719-CR1 |   | 265  |      |      |      | 24      | GC34-1636         | SERIES/1 | 1 S C |
| >STRUCTURED PROGRAMMING FACILITY         |            | 5719-ED1 | R | 265  |      |      |      | 24      | GC34-1623         | SERIES/1 | 1 S C |
| >SUPERMARKET ENERGY MANAGEMENT           |            | 5796-NQC | P | 90   |      |      |      | 12      | GB30-1132         | SERIES/1 | 1 S H |
| >SYSTEM/370 CHANNEL ATTACHMENT           |            | 5719-CA1 | R | 26   |      |      |      |         | GC34-0217         | SERIES/1 | 1 S C |
| >VIRT MACH FACIL/370 FOR S/1             |            | 5798-RDR |   | 720  |      |      |      | 12      | GB30-1590         | SERIES/1 | 1 S H |
| >VIRTUAL COBOL CPS                       |            | 5798-ZZB |   | 58   |      |      |      | 12      | SERIES/1          | SERIES/1 | 1 S H |
| >VIRTUAL COBOL SUBSYSTEM COMPILER        |            | 5796-NPW |   | 356  |      |      |      | 12      | GB30-1100         | SERIES/1 | 1 S H |
| >VIRTUAL COBOL SUBSYSTEM RTM             |            | 5798-NTF |   | 46   |      |      |      | 12      | GB30-1100         | SERIES/1 | 1 S H |
| >WATERLOO BASIC COMPILER AND RTM         |            | 5796-NWL |   | 110  |      |      |      | 36      | GB30-1310         | SERIES/1 | 1 S H |
| >WATERLOO INTERACTIVE DIR J/E            |            | 5796-NQE | P | 166  |      |      |      | 12      | GB30-1138         | SERIES/1 | 1 S H |
| >X-RAY FLUORESCENCE ANALYSIS             |            | 5798-NYK |   | 150  |      |      |      | 12      | GB30-1381         | SERIES/1 | 1 S H |
| >X-RAY POLYCRYSTALLINE DIFFRACT          |            | 5798-NYL |   | 120  |      |      |      | 12      | GB30-1381         | SERIES/1 | 1 S H |
| >370 HOST COBOL FOR SERIES/1 EDX         | RPQ-P82647 | 5799-TEL |   | 1435 |      |      |      | 24      | GC34-1720         | SERIES/1 | 1 S E |
| >370 HOST COBOL FOR SERIES/1 RPS         | RPQ-P82648 | 5799-TEP |   | 1435 |      |      |      | 24      | GC34-1721         | SERIES/1 | 1 S E |
| >4969 MAG TAPE SUBSYSTEM SUPPORT         | RPS        | 5719-TA4 | R | 25   |      |      |      |         | GC34-0289         | SERIES/1 | 1 S C |
| >4978/4979 DISPLAY STATION CPS           | RPQ-P82520 | 5799-TAK | R | 7    |      |      |      | 24      | GC34-1575         | SERIES/1 | 1 S C |
| >4979 DISPLAY STATION CPS                | RPQ-P82515 | 5799-TAE | R | 2    |      |      |      | 24      | SC34-1554         | SERIES/1 | 1 S C |
| >5250 INFO DISPLAY SYSTEM ATTACH SUPPORT | RPS        | 5719-TA1 | R | 26   |      |      |      |         | GC34-0245         | SERIES/1 | 1 S C |

5520 ADMINISTRATIVE SYSTEM GBOF-3357 DAPS 1457

| <u>PROGRAM INFORMATION</u>                | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u><br><u>C</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u><br><u>INFO</u> | <u>ENVIRONMENT</u><br><u>OR FEATURE #</u> | <u>T</u> | <u>I</u> | <u>S</u> |
|---|-------------------|----------------|----------------------|------------|-------------|-------------|-------------|-------------------------------|---|----------|----------|----------|
| >ADMIN PROCESSING PROGRAM VERSION 2       | 5611-SS2          |                |                      | 339        |             |             |             | GC23-0728                     | 5520 ADMIN. SYSTEM                        | 1        | S        | A        |
| >ADMINISTRAT PROCESSING PROG LIC M/R CODE | 5611-SS1          |                |                      | 389        |             |             |             | GC23-0734                     | 5520 ADMIN. SYSTEM                        | 1        | S        | A        |
| >HOST/370 STORE & FORWARD 5520            | 5798-RHA          |                |                      | 1000       |             |             | 12          | GB30-1690                     |   | 1        | S        | H        |
| >S/34 REMOTE DOC DISTRIB W/ 5520          | 5798-RHK          |                |                      | 250        |             |             | 06          | GB30-1721                     | SYSTEM/34                                 | 1        | S        | H        |

5280 DISTRIBUTED DATA SYSTEM    GBOF-3358 DAPS 1458

| <u>PROGRAM INFORMATION</u>             | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u><br><u>C</u> | <u>LIC</u><br><u>FEE</u> | <u>DSLO</u><br><u>FEE</u> | <u>LLPS</u><br><u>FEE</u> | <u>MLPS</u><br><u>FEE</u> | <u>MD</u> | <u>GENERAL</u><br><u>INFO</u> | <u>ENVIRONMENT</u><br><u>OR FEATURE #</u> | <u>T</u><br><u>P</u> | <u>I</u><br><u>L</u> | <u>S</u><br><u>V</u> |
|--|-------------------|----------------|----------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------|-------------------------------|---|----------------------|----------------------|----------------------|
| >ASSEMBLER LANGUAGE                    | 5708-AS1          |                |                      | 38                       | 29                        |                           |                           |           | GC21-7795                     | 5280 DATA SYSTEM                          | 1                    | S                    | A                    |
| >COBOL-DOS/VSE HOST COMPILER & LIBRARY | 5708-CB2          |                |                      | 144                      |                           |                           |                           |           | GL23-0028                     | 5280 DATA SYSTEM                          | 1                    | S                    | E                    |
| >COBOL-OS/V5 HOST COMPILER & LIBRARY   | 5708-CB1          |                |                      | 144                      |                           |                           |                           |           | GL23-0027                     | 5280 DATA SYSTEM                          | 1                    | S                    | E                    |
| >COMMUNICATIONS UTILITIES              | 5708-DC1          |                |                      | 23                       | 15                        |                           |                           |           | GC34-0248                     | 5280 DATA SYSTEM                          | 1                    | S                    | A                    |
| >DE/RPG                                | 5708-DE1          |                |                      | 12                       | 9                         |                           |                           |           | GC21-7792                     | 5280 DATA SYSTEM                          | 1                    | S                    | A                    |
| >PROCEDURE CONTROL LANGUAGE            | 5708-CL1          |                |                      | 9                        | 7                         |                           |                           |           | GC23-0754                     | 5280 DATA SYSTEM                          | 1                    | S                    | A                    |
| >SORT/MERGE                            | 5708-SM1          |                |                      | 12                       | 9                         |                           |                           |           | GC21-7794                     | 5280 DATA SYSTEM                          | 1                    | S                    | A                    |
| >SYSTEM CONTROL PROGRAMMING            | 5708-SC1          |                |                      |                          |                           |                           |                           |           | GC21-7797                     | 5280 DATA SYSTEM                          | 0                    | S                    | A                    |
| >UTILITIES                             | 5708-UT1          |                |                      | 7                        | 4                         |                           |                           |           | GC21-7793                     | 5280 DATA SYSTEM                          | 1                    | S                    | A                    |
| >5280 CONSTR DATA ENTRY/EDIT           | 5798-RBZ          |                |                      | 50                       |                           |                           |                           | 12        | GB30-1516                     | 5280 DATA SYSTEM                          | 1                    | S                    | H                    |
| >5280 DISTRIBUTION ORDER ENTRY         | 5798-RDF          |                |                      | 35                       |                           |                           |                           | 06        | GB30-1576                     | 5280 DATA SYSTEM                          | 1                    | S                    | H                    |
| >5280 FORMAT DESIGN AID                | 5798-RCR          |                |                      | 600                      |                           |                           |                           | 01        | GB30-1548                     | 5280 DATA SYSTEM                          | 1                    | S                    | H                    |
| >5280 PROGRAMMER'S PROD AID & T/E      | 5798-RHC          |                |                      | 550                      |                           |                           |                           | 01        | GB30-1702                     | 5280 DATA SYSTEM                          | 1                    | S                    | H                    |
| >5280-3270 EMULATION                   | 5708-EM1          |                |                      | 46                       | 35                        |                           |                           |           | GC34-0383                     | 5280 DATA SYSTEM                          | 1                    | S                    | A                    |

PRINTING SUBSYSTEMS SUPPORT (3800) GBOF-3362 DAPS 1462

| <u>PROGRAM INFORMATION</u>                | <u>SHORT NAME</u> | <u>ORDER #</u> | T<br>C | LIC<br>FEE | DSLD<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|-------------------|----------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| ATMS II MULTIPLE FONTS FOR THE 3800       |                   | 5798-CRH       |        | 175        |             |             |             |    | 12 GB21-2184    | OS/V5 CICS/V5               | 1      | S      | H      |
| BOLDFACE PRINT PROGRAM FOR THE 3800       |                   | 5798-CKR       |        | 145        |             |             |             |    | 12 GB21-1942    | OS/V52,OS/V52               | 1      | S      | H      |
| BUSINESS GRAPHING ON THE IBM 3800         |                   | 5798-CRB       |        | 191        |             |             |             |    | 12 GB21-2167    | OS/V5                       | 1      | S      | H      |
| HASP SUPPORT FOR 3800                     | RPQ-MJ0792        | 5799-ATQ       |        | 525        |             |             |             |    | GH20-4493       | OS/MVT                      | 1      | S      | C      |
| >PRESENTATION ENHANCEMENTS USING THE 3800 |                   | 5798-DJY       | P      | 120        |             |             |             |    | 12 GB21-2965    | OS/V5                       | 1      | S      | H      |
| PRINT LOAD ANALYZER                       |                   | 5798-CXY       |        | 90         |             |             |             |    | 12 GB21-2355    | OS/V5                       | 1      | I      | H      |
| 3800 CHARACTER EXTENSIONS                 |                   | 5798-CZG       |        | 300        |             |             |             |    | 01 GB21-2429    | OS/V5 DOS/V5                | 0      | S      | H      |
| 3800 FORMAT II                            |                   | 5798-DAC       |        | 70         |             |             |             |    | 12 GB21-2496    | OS/V5                       | 1      | S      | H      |
| 3800 FORMS UTILITY                        |                   | 5798-CWH       |        | 200        |             |             |             |    | 12 GB21-2287    | OS/V5, PL/I                 | 1      | S      | H      |
| 3800 HIGH VOLUME PRINTING PROGRAM         |                   | 5796-ARA       |        | 180        |             |             |             |    | 12 G320-5821    | OS/V5                       | 1      | S      | H      |
| 3800 INTERACTIVE CHARACTER DESIGN: ATMS   |                   | 5798-CRK       |        | 165        |             |             |             |    | 12 GB21-2191    | OS/V5, ATMS-II              | 1      | I      | H      |
| 3800 INTERACTIVE CHARACTER DESIGN: TSD    |                   | 5798-CTJ       |        | 165        |             |             |             |    | 12 GB21-2191    |                             | 1      | I      | H      |
| 3800 INTERACTIVE CHARACTER DESIGN: VM/CM  |                   | 5798-CTH       |        | 165        |             |             |             |    | 12 GB21-2191    |                             | 1      | I      | H      |
| 3800 LINE INSERTER                        |                   | 5796-AZK       |        | 85         |             |             |             |    | 12 G320-6393    | OS/V5                       | 1      | S      | H      |
| 3800 OFFLINE UTILITY                      |                   | 5748-UT2       |        | 64         | 43          | 14          | 22          |    | GA26-1653       | DOS/V5,OS/V5                | 1      | I      | K      |
| 3800 PAGE FORMATTING SERVICES             |                   | 5796-AWE       |        | 295        |             |             |             |    | 12 G320-6089    | OS/V5                       | 1      | S      | H      |
| 3800 PLOTTING FACILITY                    |                   | 5785-AAA       |        | 220        |             |             |             |    | 12 GB21-2154    | OS/V5                       | 1      | S      | H      |
| 3800 REPORT DISTRIBUTION                  |                   | 5798-DDK       |        | 180        |             |             |             |    | 12 GB21-2676    | OS/V5                       | 1      | S      | H      |
| >3800 SIDE-BY-SIDE PAGE PROCESSOR         |                   | 5798-DFW       |        | 65         |             |             |             |    | 12 GB21-2816    | OS/V5                       | 1      | S      | H      |
| 3800 SYSTEM DESIGN AND DOCUMENT AID       |                   | 5796-ATY       |        | 170        |             |             |             |    | 12 G320-6082    | OS/V5                       | 1      | I      | H      |
| 3800 UNIVERSAL PRODUCT CODE PRINTING      | UPC               | 5798-CTA       |        | 235        |             |             |             |    | 12 GB21-2219    | OS/V5                       | 1      | S      | H      |
| 3800 90 DEGREE PRINT EXTENSIONS           |                   | 5796-BAC       |        | 65         |             |             |             |    | 12 G320-6418    | 5796-ARE,-AWX               | 1      | S      | H      |
| 3800 90 DEGREE PRINT PROGRAM              |                   | 5796-ARE       |        | 260        |             |             |             |    | 12 G320-5825    | OS/V5                       | 1      | S      | H      |
| 3800 90 DEGREE PRINT PROGRAM              |                   | 5796-AWX       |        | 260        |             |             |             |    | 12 G320-5825    | DOS/VSE                     | 1      | S      | H      |

STORAGE SUBSYSTEMS SUPPORT GBOF-3363 DAPS 1463

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| CHECK PROCESSING ARCHIVE RETRIEVAL       | CPARS      | 5798-CHH    |        | 900        |             |             |             | 12 | GB21-1789       | OS/VS1,OS/VS2               | 1 I H          |
| DATA FACILITY DATA SET SERVICES          | DFDSS      | 5740-UT3    |        | 67         | 50          | 17          | 27          |    | GC26-3947       | OS/VS1,MVS                  | 1 S K          |
| DATA FACILITY / DEVICE SUPPORT           | DFDS       | 5740-AM6    |        | 66         | 49          | 18          | 29          |    | GC26-3954       | OS/VS1,5662-257             | 1 S K          |
| DATA FACILITY / DEVICE SUPPORT           | DFDS       | 5740-AM7    |        | 70         | 52          | 14          | 22          |    | GC26-3954       | MVS/SP/JES2,-/JES3          | 1 S K          |
| DATA FACILITY / EXTENDED FUNCTION        | DFFP       | 5740-XYQ    |        | 103        | 77          | 50          | 80          |    | GC26-3960       | MVS/SP,5740-AM7             | 1 S K          |
| >DATA SET & FREE SPACE MANAGER           |            | 5796-PPN    |        | 105        |             |             |             | 12 | G320-6654       | MVS                         | 1 S H          |
| DATA-SET MIGRATION AND PLANNING AID      |            | 5798-DCK    |        | 145        |             |             |             | 12 | GB21-2614       | OS/VS                       | 1 S H          |
| DIRECT ACCESS STORAGE DEVICE MIGRATION   | DASD AID   | 5668-002    |        | 1150       |             |             |             | 01 | GC26-3972       | OS/VS,5740-SM1              | 0 I C          |
| DOS/VSE DEVICE SUPPORT FACILITIES        | DSF        | 5747-DS2    |        |            |             |             |             |    | GC26-3946       | DIRECT ACCESS DEVICE        | 0 S S          |
| FILE CABINET OPTION                      | FCO        | 5798-CPY/01 |        | 600        |             |             |             | 24 | GB21-2103       | OS/VS2,JES2,TCAM            | 1 S H          |
| FILE CABINET OPTION / VTAM               | FCO/VTAM   | 5798-DCG    |        | 637        |             |             |             | 24 | GB21-2604       | MVS JES2,JES3               | 1 S H          |
| FILE CABINET OPTION WIDE SCREEN FEATURE  | FCO        | 5798-CPY/02 |        | 250        |             |             |             | 24 | GB21-2103       | 6013-6014                   | 1 S H          |
| MASS STORAGE SYSTEM EXTENSIONS FOR 3850  | MSSE       | 5740-XYG    |        | 261        | 195         | 40          | 64          |    | GH35-0034       | OS/VS,MVS/XA                | 1 S K          |
| MASS STORAGE TABLE MAINTENANCE PROGRAM   | MSSTMP     | 5796-PHY    |        | 197        |             |             |             |    | G320-5742       | VS1,VS2                     | 1 I E          |
| MSS TRACE SMF CORRELATION AID            |            | 5796-PJX    |        | 125        |             |             |             | 24 | G320-5810       | OS/VS                       | 1 I H          |
| MVS HIERARCHICAL STORAGE MANAGER         | HSM        | 5740-XRB    |        | 420        | 315         | 94          | 150         |    | GH35-0007       | MVS                         | 1 S K          |
| MVS PAGING SYSTEM - EXTENDED SWAP        |            | 5796-PNW    |        | 145        |             |             |             | 12 | G320-6403       | MVS/SE MVS/SP               | 1 S H          |
| MVSIZAP FOR THE 3850                     | RPQ-P87000 | 5799-WPK    |        |            |             |             |             |    |                 | MVS VS1                     | 0 S C          |
| STANDALONE DEVICE SUPPORT FACILITIES     | DSF        | 5747-DS1    |        |            |             |             |             |    | GC26-3946       | DIRECT ACCESS DEVICE        | 0 S S          |
| STORAGE DEVICE MIGRATION AID             | SDMA       | 5796-PHP    |        | 197        |             |             |             |    | G320-5714       | OS, CS/VS                   | 1 I E          |
| TAPE AUTOMATION - PRODUCTION ENVIRONMENT |            | 5798-DGB    |        | 200        |             |             |             | 12 | GB21-2828       | DOS/VSE                     | 1 S H          |
| >TAPE LIBRARY CONTROL SYSTEM             |            | 5785-EAW    |        | 650        |             |             |             | 12 | G320-6652       | MVS                         | 1 S H          |
| UNIVERSAL DUMP, ALTER, COPY, & SELECT    | UDACS      | 5796-BAF    |        | 50         |             |             |             | 12 | G320-6405       | OS/VS                       | 1 S H          |
| VSAM CONTROL AREA FREESPACE MAP UTILITY  |            | 5796-AYX    |        | 90         |             |             |             | 12 | G320-6346       | OS/VS                       | 1 S H          |
| VSAM OPERATIONS UTILITY                  |            | 5798-CYR    |        | 150        |             |             |             | 12 | GB21-2393       | DOS/VS,DOS/VSE              | 1 S H          |
| VSAM SELECTIVE RESTORE                   |            | 5796-AXL    |        | 75         |             |             |             | 12 | G320-6156       | VS1                         | 0 S H          |
| 231X EMULATOR ON FBA DEVICES             |            | 5747-SA1    |        |            |             |             |             |    |                 | DOS/VSE                     | 0 S N          |
| 3850 CARTRIDGE OFF-SITE STORAGE SYSTEM   |            | 5796-AWZ    |        | 180        |             |             |             | 12 | G320-6166       | VS1                         | 1 S H          |
| 3850 TRACE INTERPRETATION PACKAGE        |            | 5785-DBW    |        | 250        |             |             |             | 12 | GB21-2541       | MVS                         | 1 I H          |

COMMUNICATIONS SYSTEMS DEVICE AND MANAGEMENT SUPPORT

GBOF-3364 DAPS 1464

| PROGRAM INFORMATION                     | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL      | ENVIRONMENT OR FEATURE # | T I S |
|---|------------|-------------|---|------|------|------|------|--------------|--------------------------|-------|
|   |            |             | C | FEF  | FEF  | FEF  | FEF  |              |                          | MO    |
| ACCOUNT NETWORK MANAGEMENT PROGRAM      | ANMP       | 5798-DAQ    |   | 230  |      |      |      | GB21-2521    | CICS/OS/V5               | 1 I E |
| ACCOUNT NETWORK MANAGEMENT PROGRAM      | ANMP       | 5798-DAT    |   | 189  |      |      |      | GB21-2521    | CICS/DOS/V5              | 1 I E |
| ACCOUNT NETWORK MANAGEMENT PROGRAM      | ANMP       | 5798-DBP    |   | 379  |      |      |      | GB21-2568    | OS/V5 IMS/V5             | 1 I E |
| ACF / NETWORK CONTROL PROGRAM / VS      | ACF/NCP/V5 | 5735-XX1    |   | 155  | 116  | 24   | 38   | GC30-9533    | DOS/V5,DOS/VSE,OS/V5     | 2 S K |
| >ACF NETWORK GENERATION AID             |            | 5798-DFP    |   | 950  |      |      |      | 01 GB21-2809 | OS/V5,DOS/VSE            | 1 S H |
| ACF VTAM ENTRY                          | ACF/VTAME  | 5746-RC7    |   | 131  | 98   | 61   | 98   | GC27-0438    | DOS/VSE,4331             | 2 S K |
| ACF/TCAM - MULTISYSTEM NETWORKING       | MSNF/TCAM  | 5735-RC3/02 |   | 1035 | 776  | 88   | 141  | GC30-3057    | 6003                     | 2 S K |
| ACF/TCAM - MULTISYSTEMS NETWORKING      | MSNF/TCAM  | 5735-RC1/02 |   | 1120 | 840  | 28   | 45   | GC30-9500    | 6000                     | 2 S K |
| ACF/TCAM - VERSION 1                    |            | 5735-RC1/01 |   | 302  | 226  | 11   | 18   | GC30-2050    | OS/V5/MVS                | 2 S K |
| ACF/TCAM - VERSION 2                    |            | 5735-RC3/01 |   | 615  | 461  | 71   | 114  | GC30-3057    | OS/V5,MVS/XA             | 2 S K |
| ACF/VTAM                                |            | 5735-RC2/01 |   | 322  | 241  | 42   | 67   | GC27-0462    | OS/V51,MVS               | 2 S K |
| ACF/VTAM & NOSP DEFINITION AID          |            | 5796-PKY    |   | 600  |      |      |      | 01 G320-6060 | OS/V5                    | 0 S H |
| ACF/VTAM - DOS/VSE                      | VTAM       | 5746-RC3/01 |   | 134  | 100  | 42   | 67   | GC27-0462    | DOS/VSE/AF               | 2 S K |
| ACF/VTAM - ENCRYPT / DECRYPT FEATURE    |            | 5735-RC2/03 |   | 190  | 142  | 5    | 8    | GC38-0285    | 6010                     | 1 S K |
| ACF/VTAM - MULTISYSTEMS NETWORKING      | MSNF/VTAM  | 5735-RC2/02 |   | 773  | 579  | 127  | 203  | GC38-0284    | 6009                     | 2 S K |
| >ACF/VTAM - VERSION 2                   | VTAM V2    | 5662-280/01 | P | 520  | 390  | 80   | 128  | GC27-0608    | OS/V51                   | 2 S K |
| >ACF/VTAM - VERSION 2                   | VTAM V2    | 5665-280/01 | P | 915  | 686  | 175  | 280  | GC27-0608    | MVS,MVS/XA               | 2 S K |
| >ACF/VTAM - VERSION 2                   | VTAM V2    | 5666-280    | P | 220  | 165  | 50   | 80   | GC27-0608    | DOS/VSE,VSE/AF           | 2 S K |
| >ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE  | VTAM V2    | 5662-280/02 |   | 190  | 142  | 5    | 8    | GC27-0608    | 6000                     | 1 S K |
| >ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE  | VTAM V2    | 5665-280/02 |   | 190  | 142  | 5    | 8    | GC27-0608    | 6000                     | 1 S K |
| >ACF/VTAM BUFFER SELECTION AID          |            | 5798-DHF    |   | 675  |      |      |      | 01 GB21-2900 |                          | 1 S H |
| ACF/VTAM MULTISYSTEM NETWORKING FEATURE | MSNF/VTAM  | 5746-RC3/02 |   | 254  | 190  | 127  | 203  | GC27-0462    | 6059                     | 2 S K |
| ACP TRANSACTION PROCESSING              | RPQ-PD9026 | 5799-WQP    |   |      |      |      |      | GH20-2140    | 5748-T11                 | 0 S E |
| ADVANCED DATA COMMUNICATION FOR STORES  |            | 5735-XR2    |   | 208  |      |      |      | GH20-2188    |                          | 1 S E |
| AIRLINE CONTROL PROGRAM (ACP)           | RPQ-P09011 | 5799-WKG    |   |      |      |      |      | GE20-0423    | VS1-VS2 (OFF-LINE)       | 0 S B |
| AUTOMATIC TCAM NETWORK DEFINITION       |            | 5798-CVH    |   | 175  |      |      |      | 12 GB21-2375 | OS/V5                    | 1 I H |
| >BSC-CONTROL PROGRAM SUPPORT            | RPQ-P82516 | 5799-TAF    | R | 5    |      |      |      | 24 SC34-1553 | SERIES/1                 | 1 S C |
| BTAM SCP FOR BTAM-ES                    |            | 5747-CG1    |   |      |      |      |      |              | DOS/VSE                  | 0 S N |
| BTAM-ES FOR DOS/VSE                     |            | 5746-RC5    |   | 32   | 24   | 5    | 8    | GC38-0292    | DOS/VSE , BTAM-ES        | 1 S K |
| >BTAM/SYSTEM PRODUCT                    | BTAM/SP    | 5665-279    |   | 4920 | 3690 | 10   | 16   | 01 GC27-0599 | MVS,MVS/XA               | 2 S K |
| >COMMUNICATION MONITOR FOR SERIES/1 RPS | RPQ-P82598 | 5799-TCX    |   | 5220 |      |      |      | 01 GL23-0002 | SERIES/1                 | 1 S C |
| COMMUNICATION ORIENTED MESSAGE SYSTEM   | CORMES     | 5668-007    |   | 417  |      |      |      | GH12-5127    | OS/V5 CICS DL/I          | 1 S E |
| COMMUNICATION ORIENTED MESSAGE SYSTEM   | CORMES     | 5746-XXM    |   | 417  |      |      |      | GH12-5127    | DOS/V5                   | 2 S B |
| >COMMUNICATIONS MONITOR FOR SERIES/1    |            | 5719-CM1    | R | 139  |      |      |      | GL23-0049    | SERIES/1                 | 1 S E |
| CORMES DMS/V5 DOS/V5 INTERFACE          |            | 5798-CTR    |   | 125  |      |      |      | 12 GB21-2264 | 5746XXM CICS/DOS/V5      | 1 I H |
| >CPS AUTO-CALL INTERFACE                | RPQ-P82533 | 5799-TBC    | R | 6    |      |      |      | 24 SC34-1552 | SERIES/1                 | 1 S C |
| CROSS DOMAIN NETWORK DATA TRANSFER      |            | 5798-DAE    |   | 100  |      |      |      | 12 GB21-2498 | DOS/VSE,DOS/V5,OS/V5     | 1 S H |
| CRYPTOGRAPHIC UNIT SUPPORT              |            | 5740-XY6    |   | 311  | 233  | 25   | 40   | GC28-1015    | OS/V5                    | 1 S K |
| DISPLAY MONITOR FOR TPNS                |            | 5796-AXN    |   | 110  |      |      |      | 12 G320-6167 | OS/V5,5740-XT4           | 1 I H |
| DISTRIBUTED INTELLIGENCE SYSTEM/7 - 370 |            | 5744-BK1    |   |      |      |      |      | GC34-0057    | OS/V5                    | 0 S C |

| COMMUNICATIONS SYSTEMS DEVICE AND MANAGEMENT SUPPORT |     |            |             |   |      |      |      |      |         |             | GBOF-3364 DAPS 1464 (CONT.) |           |   |   |   |
|--|-----|------------|-------------|---|------|------|------|------|---------|-------------|-----------------------------|-----------|---|---|---|
| PROGRAM INFORMATION                                  |     | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T                           | I         | S |   |   |
|  |     |            |             | G | FEE  | FEE  | FEE  | FEE  | HQ      | INFO        | OR                          | FEATURE # | P | L | Y |
| >EDX COMMUNICATIONS FACILITY                         |     | EDX/CF     | 5719-CF1    | R | 55   |      |      |      |         | GL23-0070   | SERIES/1                    |           | 1 | S | E |
| >EDX COMMUNICATIONS FACILITY                         |     |            | 5798-ZZC    | P | 40   |      |      |      | 36      | GB30-1307   | SERIES/1                    |           | 1 | S | H |
| >EDX MULTIPLE TERMINAL MANAGER                       |     | MTM        | 5719-MS1    | R | 20   |      |      |      |         | GC34-0346   | SERIES/1                    |           | 1 | S | C |
| >EDX MULTIPLE TERMINAL MANAGER VERSION 2             |     | MTM        | 5719-MS2    | R | 22   |      |      |      |         | GC34-0346   | SERIES/1                    |           | 1 | S | E |
| >EDX SYSTEM NETWORK ARCHITECT                        |     | SNA        | 5719-SX1    | R | 51   |      |      |      |         | SC34-0402   | SERIES/1                    |           | 1 | S | E |
| >EDX SYSTEM NETWORK ARCHITECT                        | RJE | SNA        | 5719-SX2    | R | 25   |      |      |      |         | SC34-0402   | SERIES/1                    |           | 1 | S | E |
| EP/VS - 3704 / 3705 EMULATOR SUPPORT                 |     |            | 5747-AG1    |   |      |      |      |      |         | GC30-3008   | DOS/VS,DOS/VSE              |           | 0 | S | J |
| EVENT DRIVEN EXECUTIVE                               |     | EDX        | 5796-PGH    |   | 825  |      |      |      | 12      | G320-5677   | OS/MVT,MVS                  |           | 1 | S | H |
| EXTENDED TELECOMMUNICATIONS MODULE                   |     | EXTM       | 5746-XXB    |   | 250  |      |      |      |         | GH20-1702   | CICS/DOS/VS                 |           | 2 | S | C |
| GRAPHIC DATA DISPLAY MANAGER                         |     | GDDM       | 5748-XXH/01 |   | 105  | 78   | 30   | 48   |         | GC33-0100   | TSO VM CICS IMS VSPC        |           | 1 | S | K |
| >HOST/370 STORE & FORWARD 5520                       |     |            | 5798-RHA    |   | 1000 |      |      |      | 12      | GB30-1690   |                             |           | 1 | S | H |
| >IBM AUDIO DISTRIBUTION SYSTEM                       |     | RPS        | 5719-U20    | R | 350  |      |      |      |         | GC34-0401   | SERIES/1                    |           | 1 | S | E |
| >INTERACTIVE COMMUNICATIONS FEATURE                  |     | ICF        | 5726-SS1/02 |   | 108  | 93   |      |      |         | SC21-7703   | SYS/34,6000/1               |           | 1 | S | A |
| LINK CONTROL FDX IATA 3704 SEP                       |     | RPQ-P85027 | 5799-AHP    |   | 450  |      |      |      |         |             | ACP                         |           | 1 | B |   |
| >NCCF TERMINAL ACCESS FACILITY FEATURE               |     |            | 5735-XX6/02 |   | 68   | 51   | 14   | 22   |         | GC27-0429   |                             |           | 2 | S | K |
| NETWORK COMMUNICATIONS CONTROL FACILITY              |     | NCCF       | 5735-XX6/01 |   | 111  | 83   | 38   | 61   |         | GC27-0429   | ACF/VTAM/VTAME/TCAM         |           | 2 | S | K |
| NETWORK CONTROL PROGRAM - SCP                        |     | NCP/SSP    | 5747-CH1/01 |   |      |      |      |      |         | GC30-9531   | 3704,3705                   |           | 0 | S | J |
| NETWORK CONTROL PROGRAM EP/VS FEATURE                |     | NCP/SSP    | 5747-CH1/02 |   |      |      |      |      |         | GC30-9531   | 6004                        |           | 0 | S | J |
| NETWORK ERROR MANAGEMENT FACILITY                    |     | NEMF       | 5798-DAW    |   | 112  |      |      |      |         | GB21-2527   | CICS/VS                     |           | 1 | S | E |
| NETWORK ERROR MANAGEMENT FACILITY - IMS              |     | NEMF       | 5798-DBN    |   | 185  |      |      |      |         | GB21-2566   | OS/VS                       |           | 1 | S | E |
| NETWORK EXTENSION FACILITY                           |     | RPQ-P09021 | 5799-AZP    |   | 506  |      |      |      |         | GH20-5289   | ACF/NCP/VS                  |           | 1 | S | E |
| >NETWORK INTERFACE MODULE                            |     |            | 5798-DGT    |   | 45   |      |      |      | 12      | GB21-2875   | OS/VS,ACF/VTAM              |           | 1 | S | H |
| >NETWORK INTERFACE MODULE                            |     |            | 5798-DHR    |   | 610  |      |      |      | 01      | GB21-2922   | DOS/VSE,ACF/VTAM            |           | 1 | S | H |
| NETWORK JOB ENTRY FOR JES2                           |     | NJE        | 5740-XRB    |   | 693  | 519  | 72   | 115  |         | GC23-0010   | MVS                         |           | 1 | S | K |
| NETWORK MONITOR FOR VTAM APPLICATIONS                |     |            | 5796-PPB    |   | 150  |      |      |      | 12      | G320-6628   | OS/VS ACF/VTAM              |           | 1 | S | H |
| NETWORK OPERATION SUPPORT PROGRAM                    |     | NOSP       | 5735-XX2    |   | 150  | 112  | 33   | 52   |         | GC38-0251   | DOS/VS,VS1,SVS,MVS          |           | 2 | S | C |
| NETWORK PERFORMANCE ANALYSIS & REPORTS               |     | NETPARS    | 5798-CZx    |   | 63   |      |      |      |         | GB21-2487   | OS/VS,5798CPR               |           | 1 | S | E |
| NETWORK PERFORMANCE ANALYZER CONTROLLER              |     | NPA        | 5798-CZT    |   | 35   |      |      |      |         | GB21-2478   | 5798-CZR OS/VS              |           | 1 | S | E |
| NETWORK PERFORMANCE ANALYZER HOST                    |     | NPA        | 5798-CZR    |   | 126  |      |      |      |         | GB21-2478   | 5798-CZT OS/VS              |           | 1 | S | E |
| >NETWORK PROBLEM DETERMINATION APPLICATON            |     | NPDA-V2    | 5668-983/01 |   | 80   | 60   | 21   | 34   |         | GC34-2061   | VSE,OS/VS,VM,NCCF           |           | 1 | S | K |
| NETWORK PROBLEM DETERMINATION APPLICATON             |     | NPDA       | 5735-XX8/01 |   | 59   | 44   | 19   | 31   |         | GC34-2010   | DOS/VSE,OS/VS,NCCF          |           | 2 | S | K |
| NETWORK TERMINAL OPTION                              |     | NTO        | 5735-Xx7    |   | 146  | 109  | 9    | 14   |         | GC38-0297   | ACF/NCP/VS                  |           | 2 | S | K |
| >OPERATOR COMMUNICATION FACILITY                     |     | OCCF       | 5665-288    | P | 300  | 225  | 7    | 11   |         | GC24-5225   | MVS,NCCF,ACF/VTAM           |           | 1 | S | K |
| >PACKET NETWORK SUPPORT RPS                          |     | RPQ-P10008 | 5799-TCP    | R | 52   |      |      |      |         |             | SERIES/1                    |           | 1 | S | E |
| PEP EXTENDED FEATURES FOR THE 3705-II                |     | RPQ-P85032 | 5799-BAF    |   | 281  | 210  | 24   | 38   |         | GC30-9540   | VS1 MVS DOS/VSE VM          |           | 2 | S | K |
| PRESENTATION GRAPHICS FEATURE                        |     | GDDM/PGF   | 5748-XXH/02 |   | 126  | 94   | 30   | 48   |         | GC33-0100   | 5202-5209                   |           | 1 | S | K |
| PROGRAMMED CRYPTOGRAPHIC FACILITY                    |     |            | 5740-XY5    |   | 347  | 260  | 25   | 40   |         | GC28-0942   | MVS                         |           | 1 | S | K |
| >REALTIME PROG SYS MULT TERM MGR VER 3               |     | MTM        | 5719-MT1    | R | 30   |      |      |      |         | GC34-0456   | SERIES/1                    |           | 1 | S | E |
| ROUTING TABLE GENERATOR FOR ACF NETWORKS             |     |            | 5798-DFL    |   | 65   |      |      |      |         | GB21-2805   | OS/VS                       |           | 1 | S | E |
| >RPS MULT TERMINAL MANAGER V 2                       |     | RPQ-P82622 | 5799-TDX    |   | 1550 |      |      |      | 12      | GC34-1691   | SERIES/1                    |           | 1 | S | E |



COMMUNICATIONS SYSTEMS DEVICE AND MANAGEMENT SUPPORT GBOF-3364 DAPS 1464 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MD | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >RPS MULTIPLE TERMINAL MANAGER            | RPQ-P82596 | 5799-TCY    | R      | 921        |             |             |             |    | SC34-1658       | SERIES/1                    | 1      | S      | C      |
| >RPS VERSION 5 SNA EXTENDED SUPPORT       |            | 5719-SN1    | R      | 74         |             |             |             |    | GC34-0349       | SERIES/1                    | 1      | S      | E      |
| >S/1 COMM CONTROLLER FOR S/38             |            | 5798-ZZF    |        | 250        |             |             |             | 12 | GB30-1579       | SERIES/1                    | 1      | S      | H      |
| >S/1 COMMUNICATING JOB STREAM             |            | 5798-RFC    |        | 650        |             |             |             | 01 | GB30-1628       | SERIES/1                    | 1      | S      | H      |
| >S/1 EDX CF II                            |            | 5798-RDT    | P      | 55         |             |             |             | 36 | GB30-1593       | SERIES/1                    | 1      | S      | H      |
| >S/1 VALE ASCII TERM COMM SYSTEM          |            | 5796-RBT    | P      | 143        |             |             |             | 24 | GB30-1509       | SERIES/1                    | 1      | S      | H      |
| >S/38 - S/1 COMMUNICATION UTILITY         |            | 5798-RDY    |        | 50         |             |             |             | 12 | GB30-1579       | SYSTEM/38                   | 1      | S      | H      |
| >S/38 FRONT END PROCESSOR                 |            | 5798-RHE    |        | 350        |             |             |             | 12 | GB30-1712       | SYSTEM/38                   | 1      | S      | H      |
| >SNA REMOTE MANAGEMENT UTILITY RPS        | RPQ-P82639 | 5799-TEF    | R      | 9          |             |             |             |    | GC34-1711       | SERIES/1                    | 1      | S      | E      |
| SNA/RJE PRINT OUTPUT ANALYSIS             |            | 5798-CXH    |        | 110        |             |             |             | 12 | GB21-2326       | OS/VS                       | 1      | I      | H      |
| SYSTEM SUPPORT PROGRAM FOR ACF/NCP/VS     | SSP        | 5735-XX3    |        | 55         | 41          | 16          | 25          |    | GC30-3058       | DOS/VSE,OS/VS               | 2      | S      | K      |
| >TCAM SUBTASK TRACE ANALYSIS REPORT       |            | 5798-DGK    |        | 45         |             |             |             | 12 | GB21-2860       | OS/VS,ACF/TCAM              | 1      | S      | H      |
| TCS-ACF NETWORKING FEATURE                |            | 5740-XY3/02 |        | 330        |             |             |             |    | GH20-2156       | 5101-5102                   | 2      | S      | C      |
| TELECOMMUNICATIONS CONTROL SYSTEM         | TCS        | 5734-F31    |        | 5070       |             |             |             |    | GH20-4324       | OS/VS                       | 2      | S      | B      |
| TELECOMMUNICATIONS CONTROL SYSTEM         | TCF-AF     | 5740-XXD    |        | 1375       |             |             |             |    | GH20-1375       | OS/VS                       | 2      | S      | C      |
| TELECOMMUNICATIONS CONTROL SYSTEM ACF     | TCS-ACF    | 5740-XY3/01 |        | 220        |             |             |             |    | GH20-2192       | OS/VS                       | 1      | S      | C      |
| >TELEPROCESSING NETWORK SIMULATOR         | TPNS       | 5662-262    |        | 1450       |             |             |             |    | GH20-2487       | OS/VS                       | 1      | I      | B      |
| TELEPROCESSING NETWORK SIMULATOR          | TPNS       | 5740-XT4    |        | 1430       |             |             |             |    | GH20-1907       | OS/VS                       | 1      | I      | B      |
| TELPAK OPTINIZATION SYSTEM                |            | 5796-PJH    |        | 3000       |             |             |             | 12 | G320-5747       | OS/VS                       | 1      | I      | H      |
| TPNS LOG FORMAT                           |            | 5798-CTX    |        | 100        |             |             |             | 12 | GB21-2239       | OS/VS,5740-XT4              | 1      | I      | H      |
| TPNS SCRIPT GENERATOR PRODUCTIVITY AID    |            | 5798-CPZ    |        | 180        |             |             |             | 12 | GB21-2106       | 5740-XT4                    | 1      | I      | H      |
| TSO DATA-SET PRINT                        |            | 5798-CPF/01 |        | 200        |             |             |             | 24 | GB21-2069       | OS/VS2 (MVS)                | 1      | S      | H      |
| TSO DATA-SET PRINT - VTAM EXTENSIONS      |            | 5798-CPF/02 |        | 76         |             |             |             | 12 | GB21-2069       | 6025-6026                   | 1      | S      | H      |
| VM PASS THROUGH FACILITY                  | PVM        | 5748-RC1    |        | 139        | 104         | 65          | 104         |    | GC24-5206       | VM/SP,VM/BSEPF,VM/SE        | 1      | S      | K      |
| >VM PASS THROUGH SUPPORT FOR 3101         | PVM/3101   | 5796-PPF    |        | 170        |             |             |             | 01 | G320-6637       | VM/SP,VM/BSEPF,VM/SE        | 1      | S      | E      |
| VM/VTAM COMM NETWORK APPLICATIONS - VCNA  | VM/VCNA    | 5735-RC5    |        | 284        | 213         | 105         | 168         |    | GC27-0501       | VM/SP,DOS/VSE,VS1           | 2      | S      | K      |
| VTAM CONFIGURATION AND GENERATION AID     |            | 5798-CTL    |        | 250        |             |             |             | 06 | GB21-2233       | DOS/VS                      | 0      | I      | H      |
| VTAM INTERFACE TO VIDEO/370               |            | 5798-CNK    |        | 170        |             |             |             | 12 | GB21-2025       | OS/VS                       | 1      | S      | H      |
| VTAM LEVEL SELECTOR                       |            | 5798-DBZ    |        | 63         |             |             |             |    | GB21-2580       | OS/VS-MVS                   | 1      | S      | E      |
| >VTAM PERFORMANCE & ANALYSIS REPORTING II | VTAMPARS   | 5798-DEF    | P      | 140        |             |             |             |    | GB21-2786       | OS/VS,ACF/VTAM              | 1      | S      | E      |
| VTAM PERFORMANCE ANALYSIS & REPORTING     | VTAMPARS   | 5798-CTW    |        | 63         |             |             |             |    | GB21-2246       | OS/VS, 5798-CPR             | 1      | I      | E      |
| VTAM SCP ACF/VTAM                         | ACF/VTAM   | 5747-CF1    |        |            |             |             |             |    | GC27-0459       | DOS/VSE                     | 0      | S      | N      |
| VTAM SCP FOR ACF/VTAME                    |            | 5747-CG2    |        |            |             |             |             |    | GC27-0440       | DOS/VSE                     | 0      | S      | N      |
| WIDEBAND COMMUNICATION PROGRAM            | WCP        | 5796-PDJ    |        | 600        |             |             |             | 12 | G320-5540       | OS/VS1,OS/VS2               | 1      | S      | H      |
| >X.25 NCP PACKET SWITCHING INTERFACE      |            | 5668-981    |        | 190        | 142         | 30          | 48          |    | GC30-9545       | ACF/NCP/VS                  | 2      | S      | K      |
| >3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | 6008       | 5668-983/02 |        | 138        | 103         | 15          | 24          |    | GC34-2061       |                             | 2      | S      | K      |
| 3600 THRESHOLD ANALYSIS / REMOTE ACCESS   | NPDA       | 5735-XX8/02 |        | 138        | 103         | 15          | 24          |    | GC34-2055       | 6030-6031                   | 2      | S      | K      |
| 3704/5 EP TRACE EDITOR PROGRAM            |            | 5798-CHZ    |        | 55         |             |             |             | 12 | GB21-1822       | DOS/VS,OS/VS                | 1      | I      | H      |
| 3704/5 NCP SUPPORT PACKAGE                |            | 5747-AJ2    |        |            |             |             |             |    | GC30-3008       | DOS/VS                      | 0      | S      | J      |
| 3704/5 NETWORK CONTROL PROGRAM VERSION 3  | NCP/VS     | 5744-BA2    |        |            |             |             |             |    | GC30-3008       | OS/VS                       | 0      | S      | J      |

CONVERSION AND EMULATION SUPPORT GBOF-3365 DAPS 1465

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| AUTOCODER TO COBOL CONVERSION WITH CMS   | ACCAP      | 5798-CNH |        | 1120       |             |             |             |    | 01 GB21-2022    | VM/CMS                      | 0 I H          |
| DURROUGH'S 2500 TO ANS COBOL CONVERSION  |            | 5798-APH |        | 2215       |             |             |             |    | 01 GB21-0836    | DOS/OS                      | 0 I H          |
| CALL/OS TO VSPC TRANSITION PROGRAM       |            | 5798-COR |        | 8300       |             |             |             |    | 01 GB21-2151    | OS/V5                       | 0 I H          |
| CICS/V5 ISAM - DL/I BRIDGE               |            | 5798-DBH |        | 160        |             |             |             |    | 12 GB21-2549    | DOS/V5E,OS/V5,DOS/V5        | 1 S H          |
| >CONVERSION REFORMAT UTILITY             | SORT       | 5714-CV2 |        | 15         | 11          |             |             |    | GC21-7778       | SYSTEM/38                   | 1 S A          |
| DIRECT ACCESS STORAGE CONVERSION AID     |            | 5798-CLQ |        | 2250       |             |             |             |    | 01 GB21-1990    | OS/V5                       | 0 S H          |
| DIRECT ACCESS STORAGE DEVICE MIGRATION   | DASD AID   | 5668-002 |        | 1150       |             |             |             |    | 01 GC26-3972    | OS/V5,5740-SM1              | 0 I C          |
| DOS EMULATOR                             |            | 5744-AS1 |        |            |             |             |             |    | GC33-2017       | OS/V5                       | 0 S C          |
| DOS/V5 TO MVS COBOL, PL/I CONVERSION AID |            | 5785-EBG |        | 3940       |             |             |             |    | 01 GB21-2792    | DOS/V5E,MVS,VM/CMS          | 0 I H          |
| DOS/V5 TO MVS JOBSTREAM CONVERSION AID   |            | 5785-EBF |        | 4020       |             |             |             |    | 01 GB21-2790    | DOS/V5E,MVS,VM/CMS          | 0 I H          |
| DOS/V5 TO MVS MACRO CONVERSION AID       |            | 5785-EBE |        | 6000       |             |             |             |    | 01 GB21-2788    | DOS/V5E,MVS,VM/CMS          | 0 I H          |
| DPS TO DOS CONVERSION AID                |            | 5798-ANJ |        | 522        |             |             |             |    | 01 GB21-1336    | S/360-MODEL 20 DPS          | 0 S H          |
| DPS TO DOS CONVERSION AID                |            | 5798-BDA |        | 615        |             |             |             |    | 01 GB21-1336    | DOS/V5 DOS                  | 0 S H          |
| EMULATOR FOR HONEYWELL 200               | RPQ-P81003 | 5799-ADT |        | 708        |             |             |             |    | GA24-3604       | DOS DJS/V5                  | 0 S C          |
| EMULATOR FOR RCA 301                     | RPQ-P81002 | 5799-ADR |        | 765        |             |             |             |    | GA24-3605       | DOS DJS/V5                  | 0 S C          |
| ENVIROTECH DOS TO OS CONVERSION AID      |            | 5796-AFZ |        | 3665       |             |             |             |    | 01 G320-8124    | OS JS/V5                    | 1 I H          |
| >FILE CONVERSION FOR WORD PROCESSORS     |            | 5798-DFY |        | 835        |             |             |             |    | 01 GB21-2821    | OS/V5,DOS/V5E               | 0 S H          |
| GE 415 COBOL TO ANS COBOL CONVERSION AID |            | 5798-ASY |        | 275        |             |             |             |    | 12 GB21-0914    | DOS                         | 0 S H          |
| >HONEYWELL COBOL TO IBM COBOL CONVERSION |            | 5785-JAA |        | 3000       |             |             |             |    | 01 GB21-2858    | OS/V5,DOS/V5E,VM/370        | 0 S H          |
| HONEYWELL 200 COBOL TO IBM ANS COBOL     |            | 5798-AGC |        | 330        |             |             |             |    | 12 GB21-0387    | DOS                         | 0 I H          |
| ISAM - DL/I BRIDGE                       |            | 5798-CYT |        | 165        |             |             |             |    | 12 GB21-2396    | DOS/V5,DL/I                 | 1 S H          |
| ISAM - IMS/DB BRIDGE                     |            | 5798-DBG |        | 150        |             |             |             |    | 12 GB21-2547    | OS/V5                       | 1 S H          |
| JOB CONTROL LANGUAGE EDITOR              |            | 5796-PDC |        | 148        |             |             |             |    | 06 G320-1542    | OS/MFT,MVT,VS1,VS2          | 1 S H          |
| >MAGNETIC CARD CONVERSION                |            | 5608-SR3 | Q      | 180        |             |             |             |    | G544-0851       | DISPLAYWRITER               | Y S E          |
| NCR CENTURY TO ANS COBOL CONVERSION AID  |            | 5798-APG |        | 2105       |             |             |             |    | 01 GB21-0839    | DOS/OS                      | 0 I H          |
| NCR NEAT/3 TO COBOL CONVERSION AID       |            | 5798-CZC |        | 995        |             |             |             |    | 01 GB21-2420    | DOS/V5                      | 0 I H          |
| OS 6 COMM & FILE CONVERSION SYS          |            | 5798-NZH |        | 143        |             |             |             |    | 06 GB30-1431    | SYSTEM/34                   | 1 S H          |
| OS/V52 EMULATOR                          |            | 5744-AJ1 |        |            |             |             |             |    | GC27-6948       | OS/V5                       | 0 S C          |
| RCA COBOL TO IBM ANS COBOL               |            | 5798-AHT |        | 517        |             |             |             |    | 12 GB21-0493    | DOS/OS                      | 0 I H          |
| S/3 CCP TO CICS/V5 SCREEN CONVERSION AID |            | 5798-CQH |        | 414        |             |             |             |    | 01 GB21-2128    | DOS/V5 DOS/V5E              | 0 I H          |
| >S/3 CCP TO S/38 CONVERSION              | PRODD AID  | 5714-CV7 |        | 2810       |             |             |             |    | 01 GC21-7772    | SYSTEM/38                   | 0 S D          |
| >S/3 DBT TO S/38 CONVER AID              |            | 5798-NYN |        | 247        |             |             |             |    | 01 GB30-1389    | SYSTEM/3                    | 0 S H          |
| S/3 OCL TO DOS/V5 JCL CONVERSION AID     |            | 5798-CQJ |        | 600        |             |             |             |    | 01 GB21-2130    | ASSEMBLER, VSAM             | 0 S H          |
| S/3 RPG II CONVERSION PREPROCESSOR       |            | 5735-CV1 |        | 660        |             |             |             |    | 01 GH20-4532    | S/3,DJS/V5                  | 0 I C          |
| S/3 TO DOS RPG II CONVERSION AID         |            | 5798-CAA |        | 400        |             |             |             |    | 01 GB21-1389    | DOS/V5                      | 0 I H          |
| >S/3 TO S/32 CONVERSION AID              |            | 5798-NKT |        | 345        |             |             |             |    | 01 GB30-0977    | SYSTEM/32                   | 0 S H          |
| S/3 TO S/370 NUMERIC FIELD EDIT          |            | 5798-CZD |        | 650        |             |             |             |    | 01 GB21-2423    | DOS/V5                      | 0 I H          |
| >S/3 TO S/38 BATCH CONVERSION AID        |            | 5798-RBC |        | 690        |             |             |             |    | 01 GB30-1504    | SYSTEM/38                   | 0 S H          |
| >S/3 TO S/38 COBOL CONVERSION            |            | 5798-NXW |        | 575        |             |             |             |    | 01 GB30-1362    | SYSTEM/3                    | 0 S H          |
| >S/3 TO 3741 DATA TRANSFER               |            | 5798-AZZ |        | 62         |             |             |             |    | 06 GB21-1207    | SYSTEM/3                    | 1 I H          |

CONVERSION AND EMULATION SUPPORT GBOF-3365 DAPS 1465 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC  | DSLO | LLPS | MLPS | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|---|------------|----------|--------|------|------|------|------|-----------------|-----------------------------|----------------|
|   |            |          |        | FFF  | FEE  | FEE  | FEE  |                 |                             |                |
| >S/3-S/38 BATCH CONVERSION AID            |            | 5798-RDK |        | 650  |      |      |      | 01 GB30-1585    | SYSTEM/38                   | 0 S H          |
| >S/32 TO S/34 CONVERSION AID              |            | 5798-NPC |        | 230  |      |      |      | 01 GB30-1092    | SYSTEM/34                   | 0 S H          |
| >S/34 COBOL CONVERS AID-FROM NCR          |            | 5798-NYR |        | 900  |      |      |      | 01 GB30-1433    | SYSTEM/34                   | 0 S H          |
| >S/38 COBOL CONVERSION AID                |            | 5798-RGT |        | 1300 |      |      |      | 01 GB30-1764    | SYSTEM/38                   | 0 S H          |
| >S/38-S/3 BATCH CONVERSION UTILITIES      | PROD AID   | 5714-CV1 |        | 872  |      |      |      | 01 GC21-7758    | SYSTEM/38                   | 0 S D          |
| >SERIES/1 ESS/I WITH HOOKS                |            | 5796-RBB | P      | 345  |      |      |      | 12 GB30-1474    | SERIES/1                    | 1 S H          |
| >SYS/3 TO SYS/34 CONVERSION AID           |            | 5798-NTE |        | 431  |      |      |      | 01 GB30-1231    | SYSTEM/34                   | 0 S H          |
| >SYS/32 TO 3741 DATA TRANSFER             |            | 5798-NLB |        | 63   |      |      |      | 06 GB30-1004    | SYSTEM/32                   | 1 S H          |
| >SYSTEM/34 TO SYSTEM/38 CONVERSION        | PROD AID   | 5714-CV5 |        | 1495 |      |      |      | 01 GH30-0460    | SYSTEM/38                   | 0 S D          |
| UNIVAC TO IBM COBOL CONVERSION AID        |            | 5785-JAC |        | 3000 |      |      |      | 01 GB21-2763    | DOS/VSE OS/V5               | 0 S H          |
| VSE SYSTEM IPD/E CICS INSTALLATION AID    |            | 5798-DFB |        | 615  |      |      |      | 01 GB21-2778    | DOS/VSE CICS ICCF           | 0 S H          |
| >1018/1442 COMPATABILITY                  | RPQ-841264 | 5799-WFD |        |      |      |      |      | GC21-5060       | SYSTEM/3                    | 0 S C          |
| 1400 COMPATIBILITY ACCESS ROUTINE         |            | 5798-CDB |        | 500  |      |      |      | 01 GB21-1546    | DOS/V5                      | 1 I H          |
| 1400 EMULATOR PROGRAMS                    |            | 5747-CC3 |        |      |      |      |      | GC33-5384       | DOS/V5                      | 0 S C          |
| 1401/1440/1460 INTEGRATED EMULATOR        |            | 5744-AH1 |        |      |      |      |      | GC33-2018       | OS/V5                       | 0 S C          |
| 1410 7010 INTEGRATED EMULATOR             |            | 5744-AG1 |        |      |      |      |      | GC33-2019       | OS/V5                       | 0 S C          |
| >3270 COMPATIBILITY                       |            | 5608-SR6 | Q      | 300  |      |      |      | G544-0851       | DISPLAYWRITER               | Y S E          |
| >3270 DEVICE EMULATION                    |            | 5726-EM1 |        | 182  | 136  |      |      | GC21-7749       | SYSTEM/34                   | 1 S A          |
| 3704/5 EMULATOR SUPPORT PACKAGE           | EP/V5      | 5744-AN1 |        |      |      |      |      | GC30-3002       | OS/V5,VM                    | 0 S J          |
| >5110/5120 BASIC TO SYS/23 CONVERSION AID | PROD AID   | 5715-CV1 |        | 875  |      |      |      | 01 GC34-1693    | SYS/23 DATAMASTER           | 1 I E          |
| >5110/5120 TO S/34 BASIC CONV AID         |            | 5798-RFE |        | 900  |      |      |      | 01 GB30-1632    | SYSTEM/34                   | 1 S H          |
| >5280-3270 EMULATION                      |            | 5708-EM1 |        | 46   | 35   |      |      | GC34-0383       | 5280 DATA SYSTEM            | 1 S A          |
| 7040/7074 EMULATOR                        |            | 5744-AK1 |        |      |      |      |      | GC27-6948       | OS/V5                       | 0 S C          |
| 7080 EMULATOR                             |            | 5744-AL1 |        |      |      |      |      | GC27-6952       | OS/V5                       | 0 S C          |
| 7090/7094 EMULATOR                        |            | 5744-AM1 |        |      |      |      |      | GC27-6983       | OS/V5                       | 0 S C          |

JOB ENTRY SYSTEMS GBOF-3368 DAPS 1468

| PROGRAM INFORMATION                     | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T I S               |       |
|---|------------|-------------|---|------|------|------|------|---------|-------------|---------------------|-------|
|   |            |             | C | FEE  | FEE  | FEE  | FEE  |         |             |                     | MO    |
| BULK DATA TRANSFER                      |            | 5796-PKK    |   | 60   |      |      |      | 24      | G320-6060   | OS/V57              | 1 S H |
| DOS/V5 REMOTE JOB ENTRY WORKSTATION RJE | RPQ-WF0358 | 5799-WHX    |   |      |      |      |      |         | GH20-1574   | DOS/V5              | 0 S C |
| DOS/V5E REMOTE JOB ENTRY WORKSTATION    | RJE        | 5746-RC9    |   | 103  |      |      |      |         | GH20-2199   | VSE TO VM/CMS,OS/V5 | 1 S B |
| >EDX SYSTEM NETWORK ARCHITECT RJE       | SNA        | 5719-SX2    | R | 25   |      |      |      |         | SC34-0402   | SERIES/1            | 1 S E |
| FILE TRANSFER PROGRAM                   | FTP        | 5748-XE6    |   | 42   | 31   | 5    | 8    |         | GH12-5129   | DOS/V5E OS/V5       | 1 S K |
| HASP SUPPORT FOR 3800                   | RPQ-MJ0792 | 5799-ATQ    |   | 525  |      |      |      |         | GH20-4493   | OS/MVT              | 1 S C |
| HASP-JES2 SPOOL TRANSFER PROGRAM        |            | 5798-CKJ    |   | 480  |      |      |      | 06      | GB21-1903   | OS/MVT/MVT/SVS/MVS  | 0 I H |
| HOST REMOTE NODE ENTRY SYSTEM           | HRNES      | 5796-PJY/01 |   | 120  |      |      |      | 24      | G320-5813   | OS/V5               | 1 S H |
| >HOST REMOTE NODE ENTRY SYSTEM II       | HRNES II   | 5796-PPL    |   | 120  |      |      |      |         | G320-6647   | OS/V5               | 1 S E |
| HOST REMOTE NODE ENTRY SYSTEM SUPPORT   | HRNES      | 5796-PJY/02 |   | 525  |      |      |      | 01      | G320-5813   | 9583-9584           | 0 S H |
| JES 3 MONITORING FACILITY               |            | 5796-PHR    |   | 250  |      |      |      | 12      | G320-5713   | MVS JES 3           | 1 S H |
| JES2 INFORMATION RETRIEVAL SYSTEM - CMS |            | 5796-AVD    |   | 300  |      |      |      | 12      | G320-6334   | VM/CMS              | 1 S H |
| JES3 MONITORING FACILITY II             | JMON       | 5796-PLW    |   | 170  |      |      |      |         | G320-6159   | MVS                 | 1 S E |
| JES3 NETWORKING PRPQ                    | RPQ-P09022 | 5799-AZT    |   | 1535 | 1150 | 260  | 416  |         | GH20-2204   | NJI ENVIRONMENT     | 2 S K |
| JOB ENTRY PROGRAM                       | JEP        | 5746-XE6    |   | 194  | 145  | 28   | 45   |         | GH12-5129   | DOS/V5E             | 1 S K |
| >MULTILEAVING REMOTE JOB ENTRY          |            | 5796-NTY    | P | 143  |      |      |      | 12      | GB30-1272   | SERIES/1            | 1 S H |
| MVT SUPPORT FOR 3350 / 3330-11          | RPQ-EG4653 | 5799-ARG    |   | 300  |      |      |      |         | GH20-9115   | OS/MVT              | 1 I C |
| POWER/V5 CHARGE-BACK SYSTEM             |            | 5796-AQJ    |   | 100  |      |      |      | 12      | G320-5809   | DOS/V5              | 1 S H |
| POWER/V5 COST & PERFORMANCE ANALYZER    |            | 5798-CDG    |   | 140  |      |      |      | 12      | GB21-1513   | DOS/V5              | 1 S H |
| POWER/V5 RJE CONTROLLED ACCESS MONITOR  |            | 5798-CPH    |   | 80   |      |      |      | 12      | GB21-2066   | DOS/V5              | 1 S H |
| POWER/V5 3777-2 WORKSTATION PROGRAM     |            | 5798-CXR    |   | 80   |      |      |      | 12      | GB21-2338   | DOS/V5              | 1 S H |
| >REMOTE JOB ENTRY FACILITY              | RJE        | 5714-RC1    |   | 135  |      |      |      |         | GC21-7915   | SYSTEM38            | 1 S A |
| >REMOTE JOB ENTRY FOR CPS               |            | 5798-NPZ    | P | 29   |      |      |      | 12      | GB30-1134   | SERIES/1            | 1 S H |
| >REMOTE JOB ENTRY FOR POWER/V5          |            | 5796-NTR    |   | 172  |      |      |      | 06      | GB30-1253   | SYSTEM34            | 1 S H |
| >REMOTE JOB ENTRY FOR POWER/V5          |            | 5798-NDW    |   | 143  |      |      |      | 12      | GB30-0746   | SYSTEM3             | 1 S H |
| >REMOTE JOB ENTRY RPS RJE               | RPQ-P82575 | 5799-TBK    | R | 38   |      |      |      |         | GC34-1599   | SERIES/1            | 1 S C |
| >SYSTEM/32 REMOTE JOB ENTRY RJE         | RPQ-P84011 | 5799-WKJ    |   |      |      |      |      |         | GC21-7653   | SYSTEM32            | 1 S B |
| T50 / JES2 BATCH DISPLAY FACILITY       |            | 5798-CVE    |   | 60   |      |      |      | 12      | GB21-2373   | T50 JES2            | 1 S H |
| VSE/POWER                               | POWER      | 5746-XE3/01 |   | 51   | 38   | 13   | 20   |         | GH12-5131   | DOS/V5E             | 1 S K |
| VSE/POWER REMOTE JOB ENTRY              | POWER/RJE  | 5746-XE3/02 |   | 89   | 66   | 18   | 29   |         | GH12-5131   | 6067-6071           | 1 S K |
| >VSE/POWER SHARED SPOOLING              | POWER      | 5666-273/02 |   | 38   | 28   | 7    | 11   |         | GH12-5131   |                     | 1 S K |
| VSE/POWER SHARED SPOOLING               | POWER      | 5746-XE3/03 |   | 38   | 28   | 7    | 11   |         | GH12-5131   | 6075-6079           | 1 S K |
| >VSE/POWER VERSION 2                    | POWER      | 5666-273/01 | P | 100  | 75   | 20   | 32   |         | GH12-5131   | DOS/V5E,V5E/AF      | 1 S K |
| 3760 AUTOMATED DOS/V5 JOB SUBMISSION    |            | 5796-AWA    |   | 60   |      |      |      | 12      | G320-6085   | DOS/V5, 5747-BW1    | 1 S H |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T | LIC  | DSLC | LLPS | MLPS | GENERAL   | ENVIRONMENT | T I S        |
|--|------------|----------|---|------|------|------|------|-----------|-------------|--------------|
|  |            |          | C | FEE  | FEE  | FEE  | FEE  | MO        | INFO        | OR FEATURE # |
| ACCOUNTS PAYABLE                         |            | 5721-XB3 |   | 76   |      |      | 24   | G280-0182 | 5120 SYSTEM | 1 S C        |
| ACCOUNTS RECEIVABLE                      |            | 5721-XB4 |   | 76   |      |      | 24   | G280-0183 | 5120 SYSTEM | 1 S C        |
| BASIC TEXT EDITOR                        |            | 5798-NPT |   | 58   |      |      | 12   | GB30-1153 | 5120 SYSTEM | 1 S H        |
| BILLING                                  |            | 5721-XB1 |   | 76   |      |      | 24   | G280-0184 | 5120 SYSTEM | 1 S C        |
| BRADS II GRAPH GENERATOR                 | BRADSGRAPH | 5721-DC8 |   | 632  |      |      | 01   | GB30-2521 | 5120 SYSTEM | 1 S C        |
| BRADS II SPREAD SHEET GENERATOR          | BRADS SPRD | 5721-XB7 |   | 58   |      |      | 12   | GB30-1412 | 5120 SYSTEM | 1 S C        |
| BUSINESS ANAL/PROB SOLVER LIBRARY        |            | 5721-XM3 |   | 603  |      |      | 01   | G580-0042 | 5100 SYSTEM | 3 L C        |
| BUSINESS ANALYSIS -BASIC PROB SOLVER LIB |            | 5721-DC5 |   | 603  |      |      | 01   | GH30-0394 | 5120 SYSTEM | 3 L C        |
| BUSINESS PLANNING SYSTEM                 |            | 5798-NPG |   | 230  |      |      | 12   | GB30-1110 | 5120 SYSTEM | 1 S H        |
| BUSINESS REPORT/APPL DEV SYS             |            | 5798-NPL |   | 58   |      |      | 12   | GB30-1122 | 5120 SYSTEM | 1 L H        |
| BUSINESS REPORT/APPL DEV SYS II          |            | 5798-NXT |   | 98   |      |      | 12   | GB30-1341 | 5120 SYSTEM | 1 S H        |
| COMPREHENSIVE CONSTR PR/JOB COST         |            | 5796-NQB |   | 104  |      |      | 12   | GB30-1129 | 5120 SYSTEM | 1 S H        |
| COMPUTING FOR AN ACCTG PRACTICE          |            | 5798-NRE |   | 166  |      |      | 12   | GB30-1205 | 5120 SYSTEM | 1 S H        |
| CONSTRUCTION PAYROLL/JOB COST            |            | 5796-NQA |   | 155  |      |      | 12   | GB30-1126 | 5120 SYSTEM | 1 S H        |
| DEALER PARTS INVTY COMM SYSTEM           |            | 5798-NZL |   | 66   |      |      | 12   | GB30-1443 | 5120 SYSTEM | 1 S H        |
| EARNING STATEMENT                        |            | 5796-ZAC |   | 2850 |      |      | 01   | GB30-1534 | 5120 SYSTEM | 1 S H        |
| FIXED ASSET ACCTG & CONTROL SYS          |            | 5798-NWA |   | 161  |      |      | 12   | GB30-1241 | 5120 SYSTEM | 1 S H        |
| FOX REAL ESTATE MANAGEMENT               |            | 5793-AAA |   | 5520 |      |      | 01   | GB30-1415 | 5120 SYSTEM | 1 S H        |
| GENERAL LEDGER                           |            | 5721-XB6 |   | 76   |      |      | 24   | G280-0180 | 5120 SYSTEM | 1 S C        |
| INVENTORY REPORTING                      |            | 5721-XB5 |   | 76   |      |      | 24   | G280-0181 | 5120 SYSTEM | 1 S C        |
| LINEAR PROGRAMMING-MEAT BLENDING         |            | 5798-NQ0 |   | 172  |      |      | 12   | GB30-1180 | 5120 SYSTEM | 1 S H        |
| MATH - APL                               |            | 5721-XM2 |   | 603  |      |      | 01   | G580-0040 | 5100 SYSTEM | 3 L C        |
| MATH - BASIC                             |            | 5721-XM1 |   | 603  |      |      | 01   | G580-0040 | 5100 SYSTEM | 3 L C        |
| MATH - BASIC PROBLEM SOLVER LIBRARY      |            | 5721-DC6 |   | 603  |      |      | 01   | GH30-0395 | 5120 SYSTEM | 3 L C        |
| OPTICAL MARK READER SUPPORT              |            | 5798-NRC |   | 575  |      |      | 01   | GB30-1202 | 5120 SYSTEM | 1 S H        |
| PAYROLL                                  |            | 5721-XB2 |   | 76   |      |      | 24   | G280-0179 | 5120 SYSTEM | 1 S C        |
| PAYROLL                                  |            | 5798-NPJ |   | 92   |      |      | 12   | GB30-1117 | 5120 SYSTEM | 1 S H        |
| PAYROLL W2 FORM                          | RPQ-P82643 | 5799-BFD |   | 75   |      |      | 01   |           | 5120 SYSTEM | 1 S C        |
| PRINT PLOT - APL                         |            | 5721-DC2 |   | 575  |      |      | 01   | SA21-9264 | 5100 SYSTEM | 3 L C        |
| PRINT PLOT - APL PROBLM SOLVER LIBRARY   |            | 5721-DC4 |   | 575  |      |      | 01   | GC21-5190 | 5120 SYSTEM | 3 L C        |
| PRINT PLOT - BASIC                       |            | 5721-DC1 |   | 575  |      |      | 01   | SA21-9265 | 5100 SYSTEM | 3 L C        |
| PRINT PLOT - PROBLEM SOLVER LIB BASIC    |            | 5721-DC3 |   | 575  |      |      | 01   | GC21-5191 | 5120 SYSTEM | 3 L C        |
| PROGRAM DOCUMENTATION AID                |            | 5796-NXP |   | 345  |      |      | 01   | GB30-1333 | 5120 SYSTEM | 0 S H        |
| PROJECT CONTROL SYSTEM                   |            | 5798-NKK |   | 345  |      |      | 12   | GB30-0966 | 5120 SYSTEM | 1 S H        |
| SCREEN DESIGN AID                        |            | 5798-NRH |   | 258  |      |      | 01   | GB30-0699 | 5120 SYSTEM | 0 S H        |
| STAT - APL                               |            | 5721-XA2 |   | 603  |      |      | 01   | GH30-0042 | 5100 SYSTEM | 3 L C        |
| STAT - BASIC                             |            | 5721-XA1 |   | 603  |      |      | 01   | GH30-0043 | 5100 SYSTEM | 3 L C        |
| STAT - BASIC PROBLEM SOLVER LIBRARY      |            | 5721-DC7 |   | 603  |      |      | 01   | GH30-0396 | 5120 SYSTEM | 3 L C        |
| 5110 ACCOUNTS PAYABLE                    |            | 5798-NPK |   | 86   |      |      | 12   | GB30-1119 | 5120 SYSTEM | 1 S H        |
| 5110 ACCOUNTS RECEIVABLE                 |            | 5798-NPN |   | 86   |      |      | 12   | GB30-1151 | 5120 SYSTEM | 1 S H        |

| PROGRAM INFORMATION               | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|-----------------------------------|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >5110 GENERAL LEDGER              |            | 5798-NPH |        | 86         |             |             |             | 12 | GB30-1113       | 5120 SYSTEM                 | 1      | S      | H      |
| >5110 HOME BLDRS MGMT SYS         |            | 5796-ZAB |        | 6900       |             |             |             | 01 | GB30-1521       | 5120 SYSTEM                 | 1      | S      | H      |
| >5110 INVENTORY REPORTING         |            | 5798-NXX |        | 115        |             |             |             | 12 | GB30-1328       | 5120 SYSTEM                 | 1      | S      | H      |
| >5110/5120 ADMIN CONTROL SYSTEM   |            | 5798-NYF |        | 115        |             |             |             | 12 | GB30-1376       | 5120 SYSTEM                 | 1      | S      | H      |
| >5110/5120 BASIC SELF-STUDY COURS |            | 5796-ZAA |        | 661        |             |             |             | 01 | GB30-1492       | 5120 SYSTEM                 | 0      | S      | H      |
| >5110/5120 BLDR/REMOD ESTIM SYS   |            | 5793-AAB |        | 5520       |             |             |             | 01 | GB30-1520       | 5120 SYSTEM                 | 1      | S      | H      |
| >5110/5120 BRADS II SCREEN DESIGN |            | 5798-NZQ |        | 345        |             |             |             | 01 | GB30-1464       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 ATTY INFO MGMT SYS          |            | 5796-ZAG |        | 8280       |             |             |             | 01 | GB30-1547       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 CONSTRUCT INFO SYS - A/P    |            | 5796-ZAD |        | 2365       |             |             |             | 01 | GB30-1534       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 CONSTRUCT INFO SYS - G/L    |            | 5796-ZAF |        | 2025       |             |             |             | 01 | GB30-1534       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 CONSTRUCT INFO SYS - J/C    |            | 5796-ZAE |        | 2035       |             |             |             | 01 | GB30-1534       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 JOB SHOP SYS - A/P          |            | 5796-RCC |        | 126        |             |             |             | 12 | GB30-1523       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 JOB SHOP SYS - A/R          |            | 5796-RCE |        | 132        |             |             |             | 12 | GB30-1523       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 JOB SHOP SYS - G/L          |            | 5796-RCF |        | 132        |             |             |             | 12 | GB30-1523       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 JOB SHOP SYS - JOB COST     |            | 5796-RCB |        | 287        |             |             |             | 12 | GB30-1523       | 5120 SYSTEM                 | 1      | S      | H      |
| >5120 JOB SHOP SYS - P/R          |            | 5796-RCD |        | 126        |             |             |             | 12 | GB30-1523       | 5120 SYSTEM                 | 1      | S      | H      |
| >5260 POS DATA CONVERSION SYSTEM  |            | 5798-NYC |        | 86         |             |             |             | 12 | GB30-1348       | 5120 SYSTEM                 | 1      | S      | H      |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|---|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS       | 5725-M62 |        | 64         |             |             |             |    | GH30-0201       | SYSTEM/32                   | 1 I C          |
| >ACCOUNTS PAYABLE DISTRIBUTORS            | DFAS       | 5725-D62 |        | 49         |             |             |             |    | GH30-0315       | SYSTEM/32                   | 1 I C          |
| >ACCOUNTS PAYABLE MFG                     | MMAS       | 5725-M33 |        | 49         |             |             |             |    | GH30-0036       | SYSTEM/32                   | 1 I C          |
| >ACCOUNTS RECEIVABLE                      | DMAS       | 5725-D43 |        | 68         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1 I D          |
| >ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | FDMAS      | 5725-D66 |        | 68         |             |             |             |    | GH30-0156       | SYSTEM/32                   | 1 I D          |
| >ACCOUNTS RECEIVABLE HOSPITAL             | HFMS       | 5725-H12 |        | 31         |             |             |             |    | GH30-0450       | SYSTEM/32                   | 1 I C          |
| >ACCOUNTS RECEIVABLE LUMBER DEALERS       | LDMAS      | 5725-D48 |        | 68         |             |             |             |    | GH30-0166       | SYSTEM/32                   | 1 I D          |
| >ACCOUNTS RECEIVABLE MFG                  | MMAS       | 5725-M34 |        | 51         |             |             |             |    | GH30-0031       | SYSTEM/32                   | 1 I C          |
| >APPAREL ACCOUNTS RECEIVABLE              |            | 5796-NRZ |        | 195        |             |             |             | 12 | GB30-1178       | SYSTEM/32                   | 1 S H          |
| >APPAREL ORDER ALLOCATION                 |            | 5796-NTA |        | 195        |             |             |             | 12 | GB30-1178       | SYSTEM/32                   | 1 S H          |
| >APPAREL ORDER ENTRY & CONTROL            |            | 5796-NQP |        | 575        |             |             |             | 12 | GB30-1178       | SYSTEM/32                   | 1 S H          |
| >APPLICATION FLOWCHARTER                  |            | 5798-NLW |        | 345        |             |             |             | 01 | GB30-1043       | SYSTEM/32                   | 0 S H          |
| >BASIC ASSEM LANG & MACRO PROCESSOR PROG  | LANGUAGE   | 5725-AS1 |        | 134        |             |             |             |    | GC21-7675       | SYSTEM/32                   | 1 S A          |
| >BILLING FOOD DISTRIBUTORS                | FDMAS      | 5725-D6A |        | 98         |             |             |             |    | GH30-0156       | SYSTEM/32                   | 1 I D          |
| >BILLING INVOICING ORDER ENTRY            | DMAS       | 5725-D41 |        | 98         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1 I D          |
| >BILLING LUMBER DEALERS                   | LDMAS      | 5725-D4F |        | 98         |             |             |             |    | GH30-0166       | SYSTEM/32                   | 1 I D          |
| >CLIENT ACCOUNTING & FINANCIAL REPORTING  | CAFRS CPA  | 5725-C21 | R      | 170        |             |             |             |    | GH30-0306       | SYSTEM/32                   | 1 I C          |
| >CONSTRUCTION ESTIMATING & BID            |            | 5796-NPQ |        | 172        |             |             |             | 12 | GB30-1146       | SYSTEM/32                   | 1 S H          |
| >CUSTOMER INFORMATION FILE BANKING        | CIF        | 5725-F11 |        | 101        |             |             |             |    | GH30-0358       | SYSTEM/32                   | 1 I C          |
| >DATA BASE TECHNIQUES                     |            | 5798-NLA |        | 104        |             |             |             | 06 | GB30-0995       | SYSTEM/32                   | 1 S H          |
| >DEMAND DEPOSIT ACCOUNTING BANKING        | DDA        | 5725-F12 |        | 94         |             |             |             |    | GH30-0359       | SYSTEM/32                   | 1 I C          |
| >EXTENDED QUERY UTILITY - EQU3/32         |            | 5798-NKW |        | 86         |             |             |             | 12 | GB30-0983       | SYSTEM/32                   | 1 S H          |
| >FILE CONVERSION UTILITY                  | FCU        | 5725-UT2 |        | 76         |             |             |             |    | GC34-0081       | SYSTEM/32                   | 1 S A          |
| >FIXED ASSET ACCTG & CTL SYS              |            | 5798-NLD |        | 161        |             |             |             | 12 | GB30-1006       | SYSTEM/32                   | 1 S H          |
| >FORTRAN IV                               | LANGUAGE   | 5725-F01 |        | 99         |             |             |             |    | GC21-7680       | SYSTEM/32                   | 1 S A          |
| >GENERAL LEDGER CONSTRUCTION              | CMAS       | 5725-M64 |        | 51         |             |             |             |    | GH30-0201       | SYSTEM/32                   | 1 I C          |
| >GENERAL LEDGER DISTRIBUTORS              | DFAS       | 5725-D61 |        | 49         |             |             |             |    | GH30-0314       | SYSTEM/32                   | 1 I C          |
| >GENERAL LEDGER MFG                       | MMAS       | 5725-M37 |        | 49         |             |             |             |    | GH30-0034       | SYSTEM/32                   | 1 I C          |
| >GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | HFMS       | 5725-H14 |        | 48         |             |             |             |    | GH30-0451       | SYSTEM/32                   | 1 I C          |
| >HOSPITAL DATA INPUT SYSTEM               |            | 5798-NPB |        | 81         |             |             |             | 12 | GB30-1089       | SYSTEM/32                   | 1 S H          |
| >HOTEL FRONT OFFICE MGMT SYS              |            | 5796-NLF |        | 632        |             |             |             | 12 | GB30-1020       | SYSTEM/32                   | 1 I H          |
| >INDEPENDENT AGENTS/BROKERS ACCTG         |            | 5796-NRJ |        | 333        |             |             |             | 24 | GB30-1209       | SYSTEM/32                   | 1 S H          |
| >INSTALLMENT LOAN ACCOUNTING BANKING      | FINANCE    | 5725-F14 |        | 104        |             |             |             |    | GH30-0362       | SYSTEM/32                   | 1 I C          |
| >INVENTORY CONTROL FOOD DISTRIBUTORS      | FDMAS      | 5725-D68 |        | 89         |             |             |             |    | GH30-0156       | SYSTEM/32                   | 1 I D          |
| >INVENTORY CONTROL LUMBER DEALERS         | LDMAS      | 5725-D4D |        | 89         |             |             |             |    | GH30-0166       | SYSTEM/32                   | 1 I D          |
| >INVENTORY CONTROL STOCK STATUS           | DMAS       | 5725-D45 |        | 89         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1 I D          |
| >INVENTORY MANAGEMENT MFG                 | MMAS       | 5725-M35 |        | 63         |             |             |             |    | GH30-0032       | SYSTEM/32                   | 1 I C          |
| >INVTY ACCTG/MGMT REPORT SYSTEM           |            | 5798-NPD |        | 100        |             |             |             | 24 | GB30-1095       | SYSTEM/32                   | 1 S H          |
| >JOB ANALYSIS                             | JAS/32     | 5725-XX3 |        | 102        |             |             |             |    | GH30-0180       | SYSTEM/32                   | 1 S C          |
| >JOB COSTING CONSTRUCTION                 | CMAS       | 5725-M61 |        | 51         |             |             |             |    | GH30-0201       | SYSTEM/32                   | 1 I C          |

SYSTEM/32 GBOF-3372 DAPS 1472 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MD | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >JOINT INT G/L ACCTG FOR OIL/GAS          |            | 5798-NQW |        | 546        |             |             |             |    | 12 GB30-1191    | SYSTEM/32                   | 1      | S      | H      |
| >LETTER WRITER APPLICATION                |            | 5725-XX2 |        | 43         |             |             |             |    | GH30-0309       | SYSTEM/32                   | 1      | S      | C      |
| >MANUFACTURING DATA GENERATORS            |            | 5796-NTB |        | 81         |             |             |             |    | 06 GB30-1222    | SYSTEM/32                   | 1      | S      | H      |
| >MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | MGMS       | 5725-H15 |        | 163        |             |             |             |    | GH30-0310       | SYSTEM/32                   | 1      | I      | C      |
| >MEMBERSHIP AND MAILING ASSOCIATIONS      |            | 5725-K11 |        | 123        |             |             |             |    | GH30-0012       | SYSTEM/32                   | 1      | I      | C      |
| >MOTOR FREIGHT REVENUE ACCOUNTING         | MFAS       | 5725-T21 |        | 265        |             |             |             |    | GH30-0312       | SYSTEM/32                   | 1      | I      | C      |
| >NURSING HOME PHARMACY SYSTEM             |            | 5798-NRL |        | 138        |             |             |             |    | 12 GB30-1224    | SYSTEM/32                   | 1      | S      | H      |
| >OPTIMUM BLENDING                         |            | 5798-NRF |        | 195        |             |             |             |    | 12 GB30-0697    | SYSTEM/32                   | 1      | S      | H      |
| >ORDER ENTRY AND INVOICING BILLING        | MMAS       | 5725-M39 |        | 77         |             |             |             |    | GH30-0038       | SYSTEM/32                   | 1      | I      | C      |
| >PATIENT BILLING HOSPITAL                 | HFMS       | 5725-H11 |        | 37         |             |             |             |    | GH30-0449       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL CONSTRUCTION                     | CMAS       | 5725-M63 |        | 89         |             |             |             |    | GH30-0201       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL DISTRIBUTORS                     | DFAS       | 5725-D63 |        | 63         |             |             |             |    | GH30-0302       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL HOSPITAL                         | HFMS       | 5725-H13 |        | 87         |             |             |             |    | GH30-0008       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL MFG                              | MMAS       | 5725-M32 |        | 63         |             |             |             |    | GH30-0035       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL OVERTIME CALCULATION             |            | 5798-NRT |        | 218        |             |             |             |    | 01 GB30-1217    | SYSTEM/32                   | 0      | S      | H      |
| >PROCED DOCUMENT/MODIFICATION AID         |            | 5798-NQH |        | 575        |             |             |             |    | 01 GB30-1163    | SYSTEM/32                   | 0      | S      | H      |
| >PRODUCTION DEFINITION & COSTING MFG      | MMAS       | 5725-M36 |        | 59         |             |             |             |    | GH30-0033       | SYSTEM/32                   | 1      | I      | C      |
| >PRODUCTION STATUS & COSTING MFG          | MMAS       | 5725-M31 |        | 63         |             |             |             |    | GH30-0037       | SYSTEM/32                   | 1      | I      | C      |
| >PROOF OF DEPOSIT TRANSIT SYS             |            | 5798-NKQ |        | 138        |             |             |             |    | 12 GB30-0986    | SYSTEM/32                   | 1      | S      | H      |
| >PUBLIC WHSE INVNTY CONTROL               |            | 5796-NTN |        | 276        |             |             |             |    | 12 GB30-1250    | SYSTEM/32                   | 1      | S      | H      |
| >REAL ESTATE ACCTG/MKTG SYSTEM            |            | 5796-NTT |        | 373        |             |             |             |    | 12 GB30-1260    | SYSTEM/32                   | 1      | S      | H      |
| >RELEA CTRL FOR SUPPLIERS TO THE AUTO IND | AUTOMOTIVE | 5725-M45 |        | 84         |             |             |             |    | GH30-0014       | SYSTEM/32                   | 1      | S      | C      |
| >RETAIL CREDIT SYSTEM                     |            | 5796-NQY |        | 460        |             |             |             |    | 12 GB30-1194    | SYSTEM/32                   | 1      | S      | H      |
| >RETAIL DATA PREPARATION 5265             | RMAS       | 5725-XA2 |        | 119        |             |             |             |    | GH30-0136       | SYSTEM/32                   | 1      | I      | B      |
| >RETAIL MERCHANDISING SYSTEM              |            | 5796-NPA |        | 391        |             |             |             |    | 12 GB30-1081    | SYSTEM/32                   | 1      | S      | H      |
| >RETAIL PHARMACY SYSTEM                   |            | 5796-NLC |        | 287        |             |             |             |    | 12 GB30-1000    | SYSTEM/32                   | 1      | S      | H      |
| >RETAIL VENDOR ACCTS PAY SYSTEM           |            | 5796-NTD |        | 115        |             |             |             |    | 12 GB30-0771    | SYSTEM/32                   | 1      | S      | H      |
| >S/3 TO S/32 CONVERSION AID               |            | 5798-NKT |        | 345        |             |             |             |    | 01 GB30-0977    | SYSTEM/32                   | 0      | S      | H      |
| >S/32 ADVERT A/R & CIRCULATION            |            | 5796-NWG |        | 603        |             |             |             |    | 12 GB30-1297    | SYSTEM/32                   | 1      | S      | H      |
| >SALES ANALYSIS                           | DMAS       | 5725-D47 |        | 89         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1      | I      | D      |
| >SALES ANALYSIS FOOD DISTRIBUTORS         | FDMAS      | 5725-D6C |        | 89         |             |             |             |    | GH30-0156       | SYSTEM/32                   | 1      | I      | D      |
| >SALES ANALYSIS LUMBER DEALERS            | LDMAS      | 5725-D49 |        | 89         |             |             |             |    | GH30-0166       | SYSTEM/32                   | 1      | I      | D      |
| >SALES ANALYSIS MFG                       | MMAS       | 5725-M38 |        | 63         |             |             |             |    | GH30-0039       | SYSTEM/32                   | 1      | I      | C      |
| >SAVINGS ACCOUNTING BANKING               | FINANCE    | 5725-F13 |        | 90         |             |             |             |    | GH30-0360       | SYSTEM/32                   | 1      | I      | C      |
| >SHIP CTRL FOR SUPPLIERS TO THE AUTO IND  | AUTOMOTIVE | 5725-M44 |        | 77         |             |             |             |    | GH30-0013       | SYSTEM/32                   | 1      | S      | C      |
| >STATISTICAL PROBLEM SOLVING              |            | 5725-XA1 |        | 94         |             |             |             |    | GH30-0181       | SYSTEM/32                   | 1      | S      | B      |
| >STUDENT ACCOUNTING SCHOOL ADMINISTRATION | SAS        | 5725-E32 |        | 119        |             |             |             |    | GH30-0307       | SYSTEM/32                   | 1      | I      | C      |
| >STUDENT RECORDS SCHOOL ADMINISTRATION    | SAS        | 5725-E31 |        | 107        |             |             |             |    | GH30-0304       | SYSTEM/32                   | 1      | I      | C      |
| >STUDENT SCHEDULING SCHOOL ADMINISTRATION | SAS        | 5725-E33 |        | 142        |             |             |             |    | GH30-0308       | SYSTEM/32                   | 1      | I      | C      |
| >SUBROUTINE LIBRARY - MATH                | SL-MATH    | 5725-XM1 |        | 94         |             |             |             |    | GH30-0182       | SYSTEM/32                   | 1      | S      | B      |



SYSTEM/32 GBDF-3372 DAPS 1472 (CONT.)

| PROGRAM INFORMATION                     | SHORT NAME | ORDER #  | T | LIC | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T            | I | S |   |
|---|------------|----------|---|-----|------|------|------|---------|-------------|--------------|---|---|---|
|   |            |          | C | FEE | FEE  | FEE  | FEE  | MO      | INFO        | OR FEATURE # | P | L | V |
| >SYS/32 TO 3741 DATA TRANSFER           |            | 5798-NLB |   | 63  |      |      |      | 06      | GB30-1004   | SYSTEM/32    | 1 | S | H |
| >SYSTEM/32 ANS/68 COBOL                 | RPQ-P84018 | 5799-AWQ |   | 120 |      |      |      |         | GB0F-4764   | SYSTEM/32    | 1 | S | A |
| >SYSTEM/32 REMOTE JOB ENTRY RJE         | RPQ-P84011 | 5799-WKJ |   |     |      |      |      |         | GC21-7653   | SYSTEM/32    | 1 | S | B |
| >SYSTEM/32 RPG II                       | LANGUAGE   | 5725-RG1 |   | 49  |      |      |      |         | GC21-7594   | SYSTEM/32    | 1 | S | A |
| >SYSTEM/32 SYSTEM CONTROL PROGRAM       | SCP        | 5725-SC1 |   |     |      |      |      |         | GC21-7710   | SYSTEM/32    | 0 | S | A |
| >SYSTEM/32 UTILITIES                    | DFU        | 5725-UT1 |   | 23  |      |      |      |         | GC21-7599   | SYSTEM/32    | 1 | S | A |
| >TRUST DEPT ACCOUNTING SYSTEM           |            | 5796-NRY |   | 575 |      |      |      | 12      | GB30-0559   | SYSTEM/32    | 1 | S | H |
| >VEHICLE MAINT/PARTS INVENTORY          |            | 5796-NNN |   | 460 |      |      |      | 12      | GB30-1067   | SYSTEM/32    | 1 | S | H |
| >WORD PROCESSOR/32                      | WP/32      | 5725-XX1 |   | 274 |      |      |      |         | GH30-0103   | SYSTEM/32    | 1 | S | A |
| >5230 DATA COLLECT SYS SUPPORT FOR S/32 | DCSS       | 5725-M3A |   | 63  |      |      |      |         | GH30-0016   | SYSTEM/32    | 1 | I | C |

SYSTEM/3 GBOF-3373 DAPS 1473

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >A/P FOR DIRECTLY ATTACHED 3741           |            | 5798-NDE    |        | 178        |             |             |             | 12 | GB30-0706       | SYSTEM/3                    | 1 S H          |
| >ACCOUNTS PAYABLE                         |            | 5798-AKM    |        | 175        |             |             |             | 12 | GB21-0632       | SYSTEM/3                    | 1 I H          |
| >ANS COBOL - 15ABC                        |            | 5704-CB1    |        | 121        |             |             |             |    | GC28-6452       | SYSTEM/3                    | 1 S C          |
| >ANS COBOL - 15D                          |            | 5704-CB2    |        | 192        |             |             |             |    | GC21-7571       | SYSTEM/3                    | 1 S A          |
| >ANS COBOL MOD 12                         |            | 5705-CB1    |        | 102        |             |             |             |    | GC28-6462       | SYSTEM/3                    | 1 S C          |
| >APPAREL BUSINESS CONTROL                 |            | 5701-D12    |        | 94         |             |             |             |    | GH20-0822       | SYSTEM/3                    | 1 I C          |
| >APPL SUPP - CONSUMER TRANS FACIL         |            | 5798-NWE    |        | 575        |             |             |             | 12 | GB30-1295       | SYSTEM/3                    | 1 S H          |
| >APPLICATION FLOWCHARTER                  |            | 5798-NDT    |        | 385        |             |             |             | 01 | GB30-0743       | SYSTEM/3                    | 0 S H          |
| >APPROPRIATION ACCOUNTING                 | BUDGET     | 5701-G22    |        | 151        |             |             |             |    | GH20-1049       | SYSTEM/3                    | 1 I C          |
| >AUTO REPORT SUPPORT FEATURE MOD 6        |            | 5703-RG1/03 |        | 20         |             |             |             |    | GC21-7563       | 6008/9                      | 1 S C          |
| >AUTO REPORT SUPPORT FEATURE MOD 8/10DISK |            | 5702-RG1/05 |        | 20         |             |             |             |    | GC21-7563       | 6028/29                     | 1 S C          |
| >BASIC ASSEMBLER - 15ABC                  |            | 5704-AS1    |        | 152        |             |             |             |    | SC21-7509       | SYSTEM/3                    | 1 S C          |
| >BASIC ASSEMBLER - 15D                    |            | 5704-AS2    |        | 192        |             |             |             |    | GA21-9236       | SYSTEM/3                    | 1 S A          |
| >BASIC ASSEMBLER MOD 12                   |            | 5705-AS1    |        | 102        |             |             |             |    | GC21-5079       | SYSTEM/3                    | 1 S C          |
| >BASIC ASSEMBLER MOD 8/10 DISK            |            | 5702-AS1    |        | 104        |             |             |             |    | SC21-7509       | SYSTEM/3                    | 1 S C          |
| >BASIC MOD 6                              |            | 5703-XM1    |        | 146        |             |             |             |    | GC34-0001       | SYSTEM/3                    | 1 S C          |
| >BILL-OF-MATERIAL PROCESSOR MFG.          |            | 5702-M41    |        | 81         |             |             |             |    | GC20-0965       | SYSTEM/3                    | 1 I B          |
| >BSCA SUPPORT FEATURE MOD 10 CARD         |            | 5701-RG1/02 |        | 44         |             |             |             | 01 | SC21-7507       | 6000                        | 1 I C          |
| >BSCA SUPPORT FEATURE MOD 6               |            | 5703-RG1/02 |        | 53         |             |             |             | 01 | GC21-7507       | 6000/2                      | 1 S C          |
| >BSCA SUPPORT FEATURE MOD 8/10 DISK       |            | 5702-RG1/02 |        | 53         |             |             |             |    | SC21-7507       | 6000/2                      | 1 S C          |
| >BUSINESS ANALYSIS/BASIC MOD 6            |            | 5703-XM3    |        | 70         |             |             |             |    | GH20-1175       | SYSTEM/3                    | 1 S C          |
| >CARD B/M AND REQUIREMENTS PLANNING MFG   |            | 5701-M42    |        | 82         |             |             |             |    | GH20-0770       | SYSTEM/3                    | 1 I C          |
| >CARD RPG II MODEL 10 CARD                |            | 5701-RG1/01 |        | 43         |             |             |             |    | SC21-7518       | SYSTEM/3                    | 1 I C          |
| >CARD UTILITIES - 15ABC                   |            | 5704-UT1    |        | 20         |             |             |             |    | SC21-7529       | SYSTEM/3                    | 1 S C          |
| >CARD UTILITIES - 15D                     |            | 5704-UT3    |        | 29         |             |             |             |    | SC21-7529       | SYSTEM/3                    | 1 S A          |
| >CCP DISK SORT MODEL 12                   | RPQ-P84016 | 5799-ATG    |        | 43         |             |             |             |    | SC21-7522       | SYSTEM/3                    | 1 S C          |
| >CCP DISK SORT MODEL 15ABC                | RPQ-P84016 | 5799-ATH    |        | 43         |             |             |             |    | SC21-7522       | SYSTEM/3                    | 1 S C          |
| >CCP SOURCE LIBRARY MAINT SYS             |            | 5798-NDR    |        | 98         |             |             |             | 06 | GB30-0715       | SYSTEM/3                    | 1 S H          |
| >CCP/DISK SORT - 15D                      |            | 5704-SM7    |        | 29         |             |             |             |    | SC21-7522       | SYSTEM/3                    | 1 S A          |
| >CCP/DISK SORT MOD 6                      |            | 5703-SM2    |        | 17         |             |             |             |    | GC21-7522       | SYSTEM/3                    | 1 S C          |
| >CCP/DISK SORT MODEL 8 & 10               | RPQ-P84016 | 5799-ATF    |        | 43         |             |             |             |    | SC21-7522       | SYSTEM/3                    | 1 S C          |
| >CERTIFICATE OF DEPOSIT ACCTG             |            | 5798-AFR    |        | 220        |             |             |             | 12 | GB21-0381       | SYSTEM/3                    | 1 I H          |
| >CHANNEL CONNECTED SYSTEMS                | RPQ-GJ0769 | 5799-WNK    |        |            |             |             |             |    | GC21-5199       | SYSTEM/3                    | 0 S B          |
| >COBOL SOURCE ANALYZER                    |            | 5798-ALX    |        | 18         |             |             |             | 12 | GB21-0737       | SYSTEM/3                    | 1 I H          |
| >COMPLIMENTARY FOLIO ACCOUNTING           |            | 5798-NWC    |        | 517        |             |             |             | 12 | GB30-1281       | SYSTEM/3                    | 1 S H          |
| >COMPREHENSIVE PAYROLL MGMT SYS           |            | 5798-AXD    |        | 149        |             |             |             | 12 | GB21-1056       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR ACCTS PAYABLE             |            | 5798-AJE    |        | 151        |             |             |             | 12 | GB21-0526       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR ACCTS RECEIVABLE          |            | 5798-AJB    |        | 126        |             |             |             | 12 | GB21-0517       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR ESTIMATING                |            | 5798-AJA    |        | 144        |             |             |             | 12 | GB21-0514       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR GENERAL LEDGER            |            | 5798-AJD    |        | 119        |             |             |             | 12 | GB21-0523       | SYSTEM/3                    | 1 I H          |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >CONTR/SUBCONTR JOB COSTING              |            | 5798-AJC    |        | 107        |             |             |             | 12 | GB21-0520       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR PAYROLL                  |            | 5798-AJF    |        | 151        |             |             |             | 12 | GB21-0529       | SYSTEM/3                    | 1 I H          |
| >CONVERSATIONAL UTILITIES MOD 6          |            | 5703-UT1    |        | 18         |             |             |             |    | SC21-7528       | SYSTEM/3                    | 1 S C          |
| >DAKOTA HOSPITAL FINANCIAL SYS           |            | 5796-AAJ    |        | 189        |             |             |             | 12 | G320-1402       | SYSTEM/3                    | 1 I H          |
| >DATA BASE TECHNIQUES                    |            | 5798-NKG    |        | 115        |             |             |             | 06 | GB30-0959       | SYSTEM/3                    | 1 S H          |
| >DATA COLLECTION SYSTEM SUPPORT MOD 12   | DCSS/3     | 5705-M31    |        | 44         |             |             |             |    | GH30-0204       | SYSTEM/3                    | 1 S C          |
| >DATA CONVERSION SYSTEM                  |            | 5798-NXA    |        | 113        |             |             | 24          |    | GB30-1290       | SYSTEM/3                    | 1 S H          |
| >DATA ENTRY AND FILE MAINT MOD 8/10 DISK | DATA/3     | 5702-XX1    |        | 171        |             |             |             |    | SC21-5102       | SYSTEM/3                    | 1 S C          |
| >DATA/3 - 15ABC                          |            | 5704-XX1    |        | 205        |             |             |             |    | SC21-5102       | SYSTEM/3                    | 1 S C          |
| >DATA/3 - 15D                            |            | 5704-XX3    |        | 235        |             |             |             |    | SC21-5102       | SYSTEM/3                    | 1 S C          |
| >DATA/3 MOD 12                           |            | 5705-XX1    |        | 163        |             |             |             |    | GC21-5210       | SYSTEM/3                    | 1 S C          |
| >DEACONESS HOSP--ONLINE ADMISSION        |            | 5796-NJB    |        | 322        |             |             | 12          |    | GB30-0889       | SYSTEM/3                    | 1 I H          |
| >DEALER ACCT SYS - WESTLAND AUTO         |            | 5796-ABV    |        | 527        |             |             | 12          |    | G320-1423       | SYSTEM/3                    | 1 I H          |
| >DES PIN GENERATION PROGRAM              |            | 5798-NNX    |        | 920        |             |             | 01          |    | GB30-1077       | SYSTEM/3                    | 0 S H          |
| >DISK FILE PROGRAM GENERATOR - 10        |            | 5798-BBH    |        | 69         |             |             | 12          |    | GB21-1261       | SYSTEM/3                    | 1 I H          |
| >DISK FORTRAN IV MOD 12                  |            | 5705-F01    |        | 135        |             |             |             |    | GC28-6880       | SYSTEM/3                    | 1 S C          |
| >DISK FORTRAN IV MOD 6                   |            | 5703-F01    |        | 138        |             |             |             |    | SC28-6874       | SYSTEM/3                    | 1 S C          |
| >DISK FORTRAN IV MOD 8/10 DISK           |            | 5702-F01    |        | 126        |             |             |             |    | SC28-6974       | SYSTEM/3                    | 1 S C          |
| >DISK RESIDENT CARD UTILITIES MOD 12     |            | 5705-UT1    |        | 18         |             |             |             |    | GC21-7535       | SYSTEM/3                    | 1 S C          |
| >DISK RESIDENT CARD UTILITIES MOD 8/10 D |            | 5702-UT1    |        | 12         |             |             |             |    | SC21-7529       | SYSTEM/3                    | 1 S C          |
| >DISK RPG II CROSS REF/DOCU AID          |            | 5798-AYL    |        | 161        |             |             | 01          |    | GB21-1107       | SYSTEM/3                    | 0 I H          |
| >DISK RPG II MOD 8/10 DISK               |            | 5702-RG1/01 |        | 62         |             |             |             |    | GC21-7514       | SYSTEM/3                    | 1 S C          |
| >DISK SORT - 15ABC                       |            | 5704-SM1    |        | 64         |             |             |             |    | SC21-7522       | SYSTEM/3                    | 1 S C          |
| >DISK SORT - 15D                         |            | 5704-SM9    |        | 102        |             |             |             |    | SC21-7522       | SYSTEM/3                    | 1 S A          |
| >DISK SORT MOD 12                        |            | 5705-SM1    |        | 54         |             |             |             |    | GC21-5083       | SYSTEM/3                    | 1 S C          |
| >DISK SORT MOD 6                         |            | 5703-SM1    |        | 12         |             |             |             |    | SC21-7522       | SYSTEM/3                    | 1 S C          |
| >DISK SORT MOD 8/10 DISK                 |            | 5702-SM1/01 |        | 12         |             |             |             |    | SC21-7522       | SYSTEM/3                    | 1 S C          |
| >DITTO FOR SYSTEM/3 DISK                 |            | 5798-NAJ    |        | 75         |             |             | 12          |    | GB30-0809       | SYSTEM/3                    | 1 I H          |
| >DITTO FOR S3-8,10 W/DIR ATT 3741        |            | 5798-NCJ    |        | 81         |             |             | 12          |    | GB30-0809       | SYSTEM/3                    | 1 I H          |
| >DOC AID FOR RPG II PROGS/PACKS          |            | 5798-BCW    |        | 58         |             |             | 06          |    | GB21-1312       | SYSTEM/3                    | 0 I H          |
| >DRUID CITY--PSRO HOSP UTILIZATN         |            | 5796-NBE    |        | 172        |             |             | 12          |    | GB30-0592       | SYSTEM/3                    | 1 I H          |
| >ENHANCEMENTS TO PUB BUDG/FIN REP        |            | 5798-NKF    |        | 81         |             |             | 12          |    | GB30-0956       | SYSTEM/3                    | 1 S H          |
| >EPIC: - BUDGET/FINANCE EDUCATION        |            | 5735-E93    |        | 152        |             |             |             |    | GH20-1132       | SYSTEM/3                    | 1 I B          |
| >EPIC: - FAST EDUCATION TEST SCORING     |            | 5735-E92    |        | 104        |             |             |             |    | GH20-1131       | SYSTEM/3                    | 1 I C          |
| >EPIC: - SOCRATES EDUCATION              |            | 5735-E91    |        | 242        |             |             |             |    | GH20-1129       | SYSTEM/3                    | 1 I B          |
| >EPIC: - STUDENT EDUCATION               |            | 5735-E94    |        | 87         |             |             |             |    | GH20-1130       | SYSTEM/3                    | 1 I C          |
| >EXTENDED QUERY UTILITY-EQU5/3           |            | 5798-NKX    |        | 86         |             |             | 12          |    | GB30-0981       | SYSTEM/3                    | 1 S H          |
| >EXTENDED TIMER SUPPORT                  |            | 5798-NER    |        | 46         |             |             | 06          |    | GB30-0787       | SYSTEM/3                    | 1 S H          |
| >FIXED ASSET ACCTG & CONTROL             |            | 5798-AGZ    |        | 158        |             |             | 12          |    | GB21-0447       | SYSTEM/3                    | 1 I H          |
| >FIXED ASSET ACCTG/DIR ATT 3741          |            | 5798-NDH    |        | 161        |             |             | 12          |    | GB30-0725       | SYSTEM/3                    | 1 S H          |

SYSTEM/3 GBOF-3373 DAPS 1473 (CONT.)

| PROGRAM INFORMATION                                 | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L Y |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >FORECAST MODEL SELECT - WALLED L                   |            | 5796-ACP    |        | 62         |             |             |             | 12 | G320-1434       | SYSTEM/3                    | 1 I H          |
| >FORTRAN IV - 15ABC                                 |            | 5704-F01    |        | 162        |             |             |             |    | SC28-6874       | SYSTEM/3                    | 1 S C          |
| >FORTRAN IV - 15D                                   |            | 5704-F02    |        | 257        |             |             |             |    | SC28-6875       | SYSTEM/3                    | 1 S A          |
| >G/L FOR DIRECTLY ATTACHED 3741                     |            | 5798-NDF    |        | 98         |             |             |             | 12 | GB30-0719       | SYSTEM/3                    | 1 S H          |
| >GENL LEDGER/FINANCIAL ACCTG                        |            | 5798-AZE    |        | 68         |             |             |             | 12 | GB21-1159       | SYSTEM/3                    | 1 I H          |
| >HEALTH, WELFARE, AND PENSION FUND (DISK)           |            | 5702-N11    |        | 227        |             |             |             |    | GH20-1189       | SYSTEM/3                    | 1 I C          |
| >HEALTH, WELFARE, AND PENSION FUND MOD 6            |            | 5703-N11    |        | 305        |             |             |             |    | GH20-1189       | SYSTEM/3                    | 1 I B          |
| >HOSP. PAYROLL/PERSONNEL - GWINNE                   |            | 5796-AEH    |        | 117        |             |             |             | 12 | G320-8080       | SYSTEM/3                    | 1 I H          |
| >HOSPITAL INVENTORY-ARNOT-OGDEN                     |            | 5796-AEL    |        | 93         |             |             |             | 12 | G320-8091       | SYSTEM/3                    | 1 I H          |
| >HOSPITAL REVENUE MGMT - PHIL. GR                   |            | 5796-AEA    |        | 155        |             |             |             | 12 | G320-8079       | SYSTEM/3                    | 1 I H          |
| >INTEGR CUST ACCT & PROF FOR FIN                    |            | 5798-NED    |        | 373        |             |             |             | 12 | GB30-0763       | SYSTEM/3                    | 1 I H          |
| >INTEGR CUST ACCT & PROF FOR FIN                    |            | 5798-NEF    |        | 339        |             |             |             | 12 | GB30-0763       | SYSTEM/3                    | 1 I H          |
| >INTEGR CUST ACCT & PROF FOR FIN                    |            | 5798-NEJ    |        | 264        |             |             |             | 12 | GB30-0763       | SYSTEM/3                    | 1 I H          |
| >INTEGR CUST ACCT & PROF FOR FIN                    |            | 5798-NEN    |        | 276        |             |             |             | 12 | GB30-0763       | SYSTEM/3                    | 1 I H          |
| >INTELLIGENT REMOTE STAT SUPPORT                    | RPQ-P84024 | 5799-AXL    |        | 106        |             |             |             |    | SC21-7747       | SYSTEM/3                    | 1 S D          |
| >INTERACTIVE PURCHASING SYSTEM                      |            | 5796-NJH    |        | 230        |             |             |             | 12 | GB30-0911       | SYSTEM/3                    | 1 I H          |
| >INVEN/3 - COMPUTER ASSISTED INV                    |            | 5798-NCX    |        | 345        |             |             |             | 12 | GB30-0688       | SYSTEM/3                    | 1 I H          |
| >INVENTORY AND REQUIREMENTS PLANNING MFG. IRP       | IRP        | 5702-M52    |        | 124        |             |             |             |    | GH20-0971       | SYSTEM/3                    | 1 S B          |
| >INVENTORY AND STOCK STATUS PROCESSING              | INVEN MGMT | 5701-M41    |        | 63         |             |             |             |    | GH20-0741       | SYSTEM/3                    | 1 I C          |
| >INVENTORY FOR DIRECT ATT 3741                      |            | 5798-NDP    |        | 75         |             |             |             | 12 | GB30-0791       | SYSTEM/3                    | 1 S H          |
| >INVESTMENT ADVISORY                                |            | 5798-BBW    |        | 362        |             |             |             | 12 | GB21-1234       | SYSTEM/3                    | 1 I H          |
| >IPICS ENG/PROD DATA CTL VER II                     |            | 5798-NLH    |        | 172        |             |             |             | 24 | GB30-1024       | SYSTEM/3                    | 1 I H          |
| >IPICS INVENTORY ACCTG VERS II                      |            | 5798-NLK    |        | 178        |             |             |             | 24 | GB30-1028       | SYSTEM/3                    | 1 I H          |
| >IPICS MATERIAL REQ PLAN VERS II                    |            | 5798-NLL    |        | 195        |             |             |             | 24 | GB30-1030       | SYSTEM/3                    | 1 I H          |
| >IPICS ONLINE MAT MGMT/DATA MAINT                   |            | 5798-NLR    |        | 287        |             |             |             | 12 | GB30-1039       | SYSTEM/3                    | 1 I H          |
| >IPICS PRODUCT COSTING VERS II                      |            | 5798-NLJ    |        | 69         |             |             |             | 24 | GB30-1026       | SYSTEM/3                    | 1 I H          |
| >IPICS--CAPACITY PLANNING                           |            | 5798-NCY    |        | 172        |             |             |             | 12 | GB30-0691       | SYSTEM/3                    | 1 I H          |
| >IPICS--PRODUCTION CONTROL                          |            | 5798-NCZ    |        | 402        |             |             |             | 12 | GB30-0694       | SYSTEM/3                    | 1 I H          |
| >JOB ACCOUNTING FOR MODEL 15                        |            | 5798-NJQ    |        | 69         |             |             |             | 06 | GB30-0920       | SYSTEM/3                    | 1 S H          |
| >JOB ANALYSIS SYSTEM (JAS/3) MOD 8/10DISK CRIT PATH |            | 5702-XP1    |        | 124        |             |             |             |    | GH20-1085       | SYSTEM/3                    | 1 S C          |
| >JUDD & DETWEILER - P I C A S                       |            | 5796-ABS    |        | 217        |             |             |             | 12 | G320-1432       | SYSTEM/3                    | 1 I H          |
| >LAW ENFORCEMENT CRIME REPORTS                      |            | 5701-G21    |        | 100        |             |             |             |    | GH20-0891       | SYSTEM/3                    | 1 I C          |
| >MATH/BASIC MOD 6                                   |            | 5703-XM2    |        | 62         |             |             |             |    | GH20-1128       | SYSTEM/3                    | 1 S C          |
| >MODEL 15D TERMINAL PRINTING SYS                    |            | 5798-NTZ    |        | 230        |             |             |             | 06 | GB30-1002       | SYSTEM/3                    | 1 S H          |
| >MODEL 6 RPG II MOD 6                               |            | 5703-RG1/01 |        | 46         |             |             |             |    | GC21-7514       | SYSTEM/3                    | 1 S C          |
| >MORTGAGE LOAN ACCTG SYSTEM                         |            | 5796-NNH    |        | 276        |             |             |             | 12 | GB30-1063       | SYSTEM/3                    | 1 S H          |
| >MOVING AND PARKING CITATION ACCOUNTING             |            | 5701-G23    |        | 151        |             |             |             |    | GH20-1084       | SYSTEM/3                    | 1 I C          |
| >MULTIPLE INDEX SUPPORT FOR DISK                    |            | 5798-NKJ    |        | 69         |             |             |             | 06 | GB30-0964       | SYSTEM/3                    | 1 S H          |
| >MUNICIPAL BUDGETING & ACCTG SYS                    |            | 5798-AEN    |        | 379        |             |             |             | 12 | GB21-0280       | SYSTEM/3                    | 1 S H          |
| >NAVY YARD CREDIT UNION--ONLINE                     |            | 5796-NCH    |        | 339        |             |             |             | 24 | GB30-0642       | SYSTEM/3                    | 1 I H          |

SYSTEM/3 GBOF-3373 DAPS 1473 (CONT.)

| PROGRAM INFORMATION               | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MD | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|-----------------------------------|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >O/L MED RECORDS SYS - 12/15/15D  |            | 5796-NRB    |        | 288        |             |             |             | 12 | GB30-1198       | SYSTEM/3                    | 1      | S      | H      |
| >O/L SOURCE LIBRARY MAINT SYSTEM  |            | 5798-NKY    |        | 143        |             |             |             | 06 | GB30-0979       | SYSTEM/3                    | 1      | S      | H      |
| >OCL DOCUMENTATION & MODIF AID    |            | 5798-NJP    |        | 345        |             |             |             | 01 | GB30-0918       | SYSTEM/3                    | 0      | S      | H      |
| >ON-LINE HOTEL FRONT OFC MGMT     |            | 5798-ZZA    |        | 1205       |             |             |             | 24 |                 | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE ACCOUNTS PAYABLE          |            | 5798-NHG    |        | 201        |             |             |             | 12 | GB30-0844       | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE ADMINISTRATIVE CONTROL    |            | 5796-NJJ    |        | 258        |             |             |             | 12 | GB30-0914       | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE BICARSA                   |            | 5798-NHF    |        | 454        |             |             |             | 12 | GB30-0842       | SYSTEM/3                    | 1      | I      | H      |
| >ONLINE COMPREHENSIVE PAYROLL     |            | 5798-NHJ    |        | 201        |             |             |             | 12 | GB30-0848       | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE DATA COLL & INQUIRY       |            | 5798-NNG    |        | 230        |             |             |             | 12 | GB30-1060       | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE DATA FILE DISPLAY PROGRAM |            | 5798-NRG    |        | 287        |             |             |             | 01 | GB30-0701       | SYSTEM/3                    | 0      | S      | H      |
| >ONLINE GENERAL LEDGER/FINANCIAL  |            | 5798-NHH    |        | 166        |             |             |             | 12 | GB30-0846       | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE JOBS: INITIATION/REVIEW   |            | 5798-NRX    |        | 86         |             |             |             | 12 | GB30-1219       | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE OPEN-ITEM A/R S3-M15      |            | 5798-NJF    |        | 258        |             |             |             | 12 | GB30-0897       | SYSTEM/3                    | 1      | I      | H      |
| >ONLINE PURCH & RECEIVING SYS     |            | 5796-NLQ    |        | 345        |             |             |             | 12 | GB30-1041       | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE SCREEN DESIGN FACILITY    |            | 5798-NJK    |        | 402        |             |             |             | 01 | GB30-0765       | SYSTEM/3                    | 0      | S      | H      |
| >ONLINE SECURITY FACILITY         |            | 5798-NJG    |        | 115        |             |             |             | 12 | GB30-0900       | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE TERMINAL SUPPORT II       |            | 5798-NYZ    |        | 345        |             |             |             | 12 | GB30-1409       | SYSTEM/3                    | 1      | S      | H      |
| >OPEN ITEM A/R FOR DIR ATT 3741   |            | 5798-NDL    |        | 120        |             |             |             | 12 | GB30-0791       | SYSTEM/3                    | 1      | S      | H      |
| >OPTIMUM BLENDING PROCESS         | LINEAR/PRO | 5701-D51    |        | 113        |             |             |             |    | GH20-0933       | SYSTEM/3                    | 1      | I      | C      |
| >PATIENT ORDER MGMT/COMM SYS      |            | 5796-NRA    |        | 805        |             |             |             | 12 | GB30-1165       | SYSTEM/3                    | 1      | S      | H      |
| >PAYROLL FOR DIRECTLY ATTACH 3741 |            | 5798-NDG    |        | 172        |             |             |             | 12 | GB30-0722       | SYSTEM/3                    | 1      | S      | H      |
| >PIPICS -- BATCH PRODUCT DATA CTL |            | 5798-NJM    |        | 184        |             |             |             | 24 | GB30-0929       | SYSTEM/3                    | 1      | I      | H      |
| >PIPICS -- INVENTORY ACCOUNTING   |            | 5798-NJY    |        | 195        |             |             |             | 24 | GB30-0935       | SYSTEM/3                    | 1      | I      | H      |
| >PIPICS -- MATERIAL REQ PLANNING  |            | 5798-NJZ    |        | 212        |             |             |             | 24 | GB30-0938       | SYSTEM/3                    | 1      | I      | H      |
| >PIPICS -- PRODUCT COSTING        |            | 5798-NJX    |        | 69         |             |             |             | 24 | GB30-0932       | SYSTEM/3                    | 1      | I      | H      |
| >POSTBILLING FOR DIR ATTACH 3741  |            | 5798-NDK    |        | 120        |             |             |             | 12 | GB30-0791       | SYSTEM/3                    | 1      | S      | H      |
| >PROOF OF DEPOSIT TRANSIT         |            | 5798-AFD    |        | 164        |             |             |             | 12 | GB21-0286       | SYSTEM/3                    | 1      | I      | H      |
| >PROOF OF DEPOSIT TRANSIT W/SUBR8 |            | 5798-NKC    |        | 138        |             |             |             | 12 | GB30-0949       | SYSTEM/3                    | 1      | S      | H      |
| >PUBLIC BUDGETING & FINANCIAL REP |            | 5798-NFC    |        | 379        |             |             |             | 12 | GB30-0956       | SYSTEM/3                    | 1      | S      | H      |
| >QUERY FACILITY                   |            | 5798-ANB    |        | 55         |             |             |             | 12 | GB21-0770       | SYSTEM/3                    | 1      | I      | H      |
| >QUERY FOR DIRECTLY ATTACH 3741   |            | 5798-NDJ    |        | 58         |             |             |             | 12 | GB21-0770       | SYSTEM/3                    | 1      | I      | H      |
| >REMOTE JOB ENTRY FOR POWER/VS    |            | 5798-NDW    |        | 143        |             |             |             | 12 | GB30-0746       | SYSTEM/3                    | 1      | S      | H      |
| >RPG II - 15ABC                   |            | 5704-RG1/01 |        | 121        |             |             |             |    | GC21-7514       | SYSTEM/3                    | 1      | S      | C      |
| >RPG II - 15D                     |            | 5704-RG2    |        | 192        |             |             |             |    | GC21-7514       | SYSTEM/3                    | 1      | S      | A      |
| >RPG II MOD 12                    |            | 5705-RG1/01 |        | 107        |             |             |             |    | GC21-7514       | SYSTEM/3                    | 1      | S      | C      |
| >S/A FOR DIRECTLY ATTACHED 3741   |            | 5798-NDN    |        | 69         |             |             |             | 12 | GB30-0791       | SYSTEM/3                    | 1      | S      | H      |
| >S/3 COBOL DATA BASE TECHNIQUES   |            | 5798-NXC    |        | 190        |             |             |             | 06 | GB30-1472       | SYSTEM/3                    | 1      | S      | H      |
| >S/3 DBT TO S/38 CONVER AID       |            | 5798-NYN    |        | 247        |             |             |             | 01 | GB30-1389       | SYSTEM/3                    | 0      | S      | H      |
| >S/3 DITTO FOR MODEL 15 MODEL D   |            | 5798-NKL    |        | 120        |             |             |             | 12 | GB30-0809       | SYSTEM/3                    | 1      | S      | H      |
| >S/3 SUPPORT FOR 3735             | RPQ-P84002 | 5799-NER    |        |            |             |             |             |    | GA27-3043       | SYSTEM/3                    | 0      | S      | C      |

SYSTEM/3 GBOF-3373 DAPS 1473 (CONT.)

| PROGRAM INFORMATION                   | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---------------------------------------|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >S/3 TO S/38 COBOL CONVERSION         |            | 5798-NXW    |        | 575        |             |             |             |    | 01 GB30-1362    | SYSTEM/3                    | 0      | S      | H      |
| >S/3 TO 3741 DATA TRANSFER            |            | 5798-AZZ    |        | 62         |             |             |             |    | 06 GB21-1207    | SYSTEM/3                    | 1      | I      | H      |
| >S/3-12 MLTA                          | RPQ-S40028 | 5799-WKH    |        |            |             |             |             |    | GC21-7560       | SYSTEM/3                    | 0      | S      | C      |
| >S/3-15 MLTA                          | RPQ-S40028 | 5799-WFK    |        |            |             |             |             |    | GC21-7560       | SYSTEM/3                    | 0      | S      | C      |
| >S/3-15D DDF                          | RPQ-P84038 | 5799-BQC    |        | 106        |             |             |             |    | GC21-7874       | SYSTEM/3                    | 1      | S      | A      |
| >S/3-15D SMF                          | RPQ-P84031 | 5799-AVQ    |        | 29         |             |             |             |    | GC21-5206       | SYSTEM/3                    | 1      | S      | A      |
| >S/3-8,10 MLTA                        | RPQ-S40028 | 5799-WAU    |        |            |             |             |             |    | GC21-7560       | SYSTEM/3                    | 0      | S      | C      |
| >SHOP LOADING AND CONTROL MFG.        |            | 5702-M51    |        | 215        |             |             |             |    | GH20-1240       | SYSTEM/3                    | 1      | I      | B      |
| >STAT/BASIC MOD 6                     |            | 5703-XA1    |        | 53         |             |             |             |    | GH20-1027       | SYSTEM/3                    | 1      | S      | C      |
| >STATSMAN--ALPHA SEARCH               |            | 5796-NBZ    |        | 86         |             |             |             | 24 | GB30-0638       | SYSTEM/3                    | 1      | S      | H      |
| >STUDENT RECORD SYSTEM                |            | 5796-AEN    |        | 204        |             |             |             | 12 | G320-8078       | SYSTEM/3                    | 1      | I      | H      |
| >SUBSET ANS COBOL MOD 8/10 DISK       |            | 5702-CB1    |        | 108        |             |             |             |    | GC28-6452       | SYSTEM/3                    | 1      | S      | C      |
| >SYSTEM CONTROL PROGRAM - 15ABC       | SCP        | 5704-SC1    |        |            |             |             |             |    | GC21-7578       | SYSTEM/3                    | 0      | S      | C      |
| >SYSTEM CONTROL PROGRAM - 15D         | SCP        | 5704-SC2    |        |            |             |             |             |    | GC21-7578       | SYSTEM/3                    | 0      | S      | A      |
| >SYSTEM CONTROL PROGRAM MOD 10 CARD   | SCP        | 5701-SC1    |        |            |             |             |             |    | SY21-0513       | SYSTEM/3                    | 0      | S      | C      |
| >SYSTEM CONTROL PROGRAM MOD 12        | SCP        | 5705-SC1    |        |            |             |             |             |    | GC21-7578       | SYSTEM/3                    | 0      | S      | C      |
| >SYSTEM CONTROL PROGRAM MOD 6         | SCP        | 5703-SC1    |        |            |             |             |             |    | GC21-7578       | SYSTEM/3                    | 0      | S      | C      |
| >SYSTEM CONTROL PROGRAM MOD 8/10 DISK | SCP        | 5702-SC1    |        |            |             |             |             |    | GC21-7578       | SYSTEM/3                    | 0      | S      | C      |
| >TAPE SORT - 15ABC                    |            | 5704-SM2    |        | 152        |             |             |             |    | SC21-7572       | SYSTEM/3                    | 1      | S      | C      |
| >TAPE SORT - 15D                      |            | 5704-SM8    |        | 174        |             |             |             |    | SC21-7572       | SYSTEM/3                    | 1      | S      | A      |
| >TAPE SORT MOD 12                     |            | 5705-SM2    |        | 93         |             |             |             |    | GC21-5138       | SYSTEM/3                    | 1      | S      | C      |
| >TAPE SORT PROGRAM MOD 10 CARD        |            | 5701-SM1    |        | 87         |             |             |             |    | GC21-5040       | SYSTEM/3                    | 1      | S      | C      |
| >TAPE SORT PROGRAM MOD 8/10 DISK      |            | 5702-SM2    |        | 87         |             |             |             |    | SC21-7572       | SYSTEM/3                    | 1      | S      | C      |
| >TAPE SUPPORT FEATURE MOD 10 CARD     |            | 5701-RG1/03 |        | 38         |             |             |             |    | GC21-5040       | 6004                        | 1      | I      | C      |
| >TAPE SUPPORT FEATURE MOD 8/10 DISK   |            | 5702-RG1/04 |        | 45         |             |             |             |    | GC21-5040       | 6016/18                     | 1      | S      | C      |
| >TELLER CONTROL PROG ENHANCEMENTS     |            | 5798-NXL    |        | 155        |             |             |             | 12 | GB30-1331       | SYSTEM/3                    | 1      | S      | H      |
| >TELLER CONTROL PROGRAM               |            | 5798-NKZ    |        | 287        |             |             |             | 12 | GB30-0992       | SYSTEM/3                    | 1      | S      | H      |
| *TERMINAL SEARCH FACILITY             |            | 5798-NFD    |        | 81         |             |             |             | 06 | GB30-0797       | SYSTEM/3                    | 1      | S      | H      |
| >TQF/3 MODEL 10                       | RPQ-P84004 | 5799-AJR    |        | 78         |             |             |             |    | SC21-5107       | SYSTEM/3                    | 0      | S      | C      |
| >TQF/3 MODEL 12                       | RPQ-P84004 | 5799-AQZ    |        | 78         |             |             |             |    | SC21-5107       | SYSTEM/3                    | 0      | S      | C      |
| >TQF/3 MODEL 15                       | RPQ-P84004 | 5799-AJT    |        | 78         |             |             |             |    | SC21-5107       | SYSTEM/3                    | 0      | S      | C      |
| >UNIT INVENTORY TECHNIQUES            | RETAIL     | 5701-D11    |        | 94         |             |             |             |    | GH20-0931       | SYSTEM/3                    | 1      | I      | C      |
| >UTILITIES MOD 10 CARD                |            | 5701-UT1    |        | 12         |             |             |             |    | SC21-7518       | SYSTEM/3                    | 1      | S      | C      |
| >UTILITY BILLING AND RECEIVABLES      | LOCAL GOVT | 5701-G24    |        | 100        |             |             |             |    | GH20-0882       | SYSTEM/3                    | 1      | I      | C      |
| >VEHICLE MAINTENANCE SCHEDULING       |            | 5798-AFY    |        | 189        |             |             |             | 12 | GB21-0325       | SYSTEM/3                    | 1      | I      | H      |
| >1018/1442 COMPATABILITY              | RPQ-841264 | 5799-WFD    |        |            |             |             |             |    | GC21-5060       | SYSTEM/3                    | 0      | S      | C      |
| >1255 UTILITY MOD 12                  | MICR UTIL  | 5705-UT2    |        | 83         |             |             |             |    | GC21-5030       | SYSTEM/3                    | 1      | S      | C      |
| >1255 UTILITY MOD 6                   | MICR UTIL  | 5703-UT2    |        | 100        |             |             |             |    | SC21-7527       | SYSTEM/3                    | 1      | S      | C      |
| >1255 UTILITY MOD 8/10 DISK           | MICR UTIL  | 5702-UT2    |        | 86         |             |             |             |    | SC21-7521       | SYSTEM/3                    | 1      | S      | C      |
| >3270 DCF FEATURE                     |            | 5704-RG1/02 |        | 29         |             |             |             | 01 | SC21-5161       | 6005-7                      | 1      | S      | C      |

SYSTEM/3 GBOF-3373 DAPS 1473 (CONT.)

| <u>PROGRAM INFORMATION</u>        | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u>   | <u>GENERAL</u> | <u>ENVIRONMENT</u>  | <u>T I S</u> |
|-----------------------------------|-------------------|----------------|----------|------------|-------------|-------------|---------------|----------------|---------------------|--------------|
|                                   |                   |                | <u>C</u> | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE MD</u> | <u>INFO</u>    | <u>OR FEATURE #</u> | <u>P L Y</u> |
| >3270 DCF FEATURE MOD 10 DISK     |                   | 5702-RG1/06    |          | 29         |             |             |               | SC21-5161      | 6070                | 1 S C        |
| >3270 DCF FEATURE MOD 12          |                   | 5705-RG1/02    |          | 26         |             |             | 01            | SC21-5161      | 6003-4              | 1 S C        |
| >3270 DISPLAY CONTROL MOD 6       |                   | 5703-RG1/04    |          | 29         |             |             |               | SC21-5161      | 60303               | 1 S C        |
| >5445 SUPPORT FEATURE MOD 10 DISK |                   | 5702-RG1/03    |          | 45         |             |             |               | GC21-5081      | 6012/14             | 1 S C        |
| >5445 SUPPORT FEATURE MOD 10 DISK |                   | 5702-SM1/02    |          | 72         |             |             |               | GC21-5194      | 6008/10             | 1 S C        |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS       | 5726-M62    |        | 64         |             |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | C      |
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS/34    | 5726-M68/01 |        | 85         | 64          |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS PAYABLE DISTR MFG MAPICS        | DFAS II    | 5726-M43    |        | 70         | 53          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS PAYABLE DISTRIBUTORS            | DFAS       | 5726-D6B    |        | 49         |             |             |             |    | GH30-0219       | SYSTEM/34                   | 1      | I      | C      |
| >ACCOUNTS PAYABLE MFG                     | MMAS       | 5726-M33    |        | 49         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >ACCOUNTS RECEIVABLE DISTRIBUTORS         | DMAS II    | 5726-D4B    |        | 68         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE DISTRIBUTORS         | DMAS II    | 5726-D42    |        | 70         | 53          |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | FDMAS      | 5726-D66    |        | 69         |             |             |             |    | GH30-0156       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE HOSPITAL             | HFMS       | 5726-H12    |        | 51         |             |             |             |    | GH30-0405       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE LUMBER DEALERS       | LDMAS      | 5726-D4F    |        | 68         |             |             |             |    | GH30-0166       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE MFG                  | MMAS       | 5726-M34    |        | 51         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >ACCOUNTS RECEIVABLE MFG                  | MAPICS     | 5726-M44    |        | 70         | 53          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >ADMINISTRATIVE CONTROL SYSTEM            |            | 5798-NWT    |        | 287        |             |             |             | 12 | GB30-1318       | SYSTEM/34                   | 1      | S      | H      |
| >ADVANCE EARNED INCOME CREDIT I/F         |            | 5798-NYQ    |        | 575        |             |             |             | 01 | GB30-1395       | SYSTEM/34                   | 1      | S      | H      |
| >BASIC ANS X3.60-1978                     | LANGUAGE   | 5726-BA1    |        | 63         | 47          |             |             |    | GC21-7841       | SYSTEM/34                   | 1      | S      | A      |
| >BASIC ASSEMBLER AND MACRO PROCESSOR      | LANGUAGE   | 5726-AS1    |        | 134        | 101         |             |             |    | GC21-7840       | SYSTEM/34                   | 1      | S      | A      |
| >BASIC SUBSET                             | WSU        | 5726-BA2    |        | 780        |             |             |             | 01 | GC21-9035       | SYSTEM/34                   | 1      | S      | A      |
| >BILLING DISTRIBUTORS                     | DMAS II    | 5726-D4A    |        | 98         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >BILLING DISTRIBUTORS                     | DMAS II    | 5726-D41    |        | 103        | 77          |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >BILLING FOOD DISTRIBUTORS                | FDMAS      | 5726-D65    |        | 100        |             |             |             |    | GH30-0156       | SYSTEM/34                   | 1      | I      | D      |
| >BILLING LUMBER DEALERS                   | LDMAS      | 5726-D4E    |        | 100        |             |             |             |    | GH30-0166       | SYSTEM/34                   | 1      | I      | D      |
| >CAPACITY REQUIREMENTS PLANNING MFG CRP   | MAPICS     | 5726-M4G    |        | 149        | 112         |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >CLIENT ACCOUNT & FINANCIAL REPORT SYS II | CAFERS II  | 5726-C22    |        | 195        | 146         |             |             |    | GH30-0230       | SYSTEM/34                   | 1      | I      | D      |
| >CLIENT ACCOUNT & FINANCIAL REPORTING SYS | CAFERS     | 5726-C21    |        | 170        |             |             |             |    | GH30-0230       | SYSTEM/34                   | 1      | I      | C      |
| >COBOL ANS74 X3.23-1974                   | LANGUAGE   | 5726-CB1    |        | 131        | 98          |             |             |    | GC21-7737       | SYSTEM/34                   | 1      | S      | A      |
| >COMMITTED COST/COST HISTORY FEATURE CONS | CMAS/34    | 5726-M68/02 |        | 45         | 34          |             |             |    | GH30-0707       | SYS/34,6021                 | 1      | I      | D      |
| >CREDIT UNION SYSTEM                      |            | 5798-NNY    |        | 460        |             |             |             | 24 | GB30-1083       | SYSTEM/34                   | 1      | S      | H      |
| >CUSTOMER INFORMATION FILE BANKING        | CIF        | 5726-F11    |        | 167        |             |             |             |    | G360-0050       | SYSTEM/34                   | 1      | I      | D      |
| >DATA BASE TECHNIQUES                     |            | 5798-NQK    |        | 138        |             |             |             | 06 | GB30-1170       | SYSTEM/34                   | 1      | S      | H      |
| >DATA COLLECTION SYSTEM SUPPORT MFG 5230  | MAPICS     | 5726-M4A    |        | 109        | 82          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >DATA PREPARATION RETAIL                  | RMAS       | 5726-XA4    |        | 119        | 89          |             |             |    | GH30-0136       | SYSTEM/34                   | 1      | I      | D      |
| >DEMAND DEPOSIT ACCOUNTING BANKING        | DDA        | 5726-F12    |        | 150        |             |             |             |    | G360-0050       | SYSTEM/34                   | 1      | I      | D      |
| >DISTRIBUTED DISK FILE FACILITY DDFD      | RPQ-P84037 | 5799-BCP    |        | 93         | 61          |             |             |    | GC21-7872       | SYSTEM/34                   | 1      | S      | A      |
| >DLR PARTS INVNTY COMMUNIC SYSTEM         |            | 5798-NYB    |        | 132        |             |             |             | 12 | GB30-1346       | SYSTEM/34                   | 1      | S      | H      |
| >DMAS II A/R ENHAN - FOOD DISTR           |            | 5798-NXZ    |        | 138        |             |             |             | 12 | GB30-1340       | SYSTEM/34                   | 1      | S      | H      |
| >DMAS II BILLING ENH - FOOD DISTR         |            | 5798-NXY    |        | 207        |             |             |             | 12 | GB30-1340       | SYSTEM/34                   | 1      | S      | H      |
| >FINANCIAL APPLICATIONS BRIDGE RETAIL     | RMAS       | 5726-XA7    |        | 150        |             |             |             | 24 | GH30-0136       | SYSTEM/34                   | 1      | S      | E      |
| >FIXED ASSET ACCTG & CONTR SYS            |            | 5798-NQF    |        | 161        |             |             |             | 12 | GB30-1156       | SYSTEM/34                   | 1      | S      | H      |
| >FORTRAN IV                               | LANGUAGE   | 5726-F01    |        | 181        | 136         |             |             |    | GC21-7685       | SYSTEM/34                   | 1      | S      | A      |
| >GENERAL LEDGER CONSTRUCTION              | CMAS       | 5726-M64    |        | 51         |             |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | C      |



SYSTEM/34 GBOF-3374 DAPS 1474 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>Y |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >GENERAL LEDGER CONSTRUCTION              | CMAS/34    | 5726-M67    |        | 63         | 47          |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | D      |
| >GENERAL LEDGER DISTR MFG MAPICS          | DFAS II    | 5726-M47    |        | 70         | 53          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >GENERAL LEDGER DISTRIBUTORS              | DFAS       | 5726-D6A    |        | 49         |             |             |             |    | GH30-0219       | SYSTEM/34                   | 1      | I      | C      |
| >GENERAL LEDGER MFG                       | MMAS       | 5726-M37    |        | 49         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | HFMS       | 5726-H14    |        | 79         |             |             |             |    | GH30-0407       | SYSTEM/34                   | 1      | I      | D      |
| >HOSPITAL DATA INPUT SYSTEM               | 5798-NTJ   |             |        | 81         |             |             |             | 12 | GB30-1089       | SYSTEM/34                   | 1      | S      | H      |
| >INSTALLMENT LOAN ACCOUNTING BANKING      | FINANCE    | 5726-F14    |        | 170        |             |             |             |    | G360-0050       | SYSTEM/34                   | 1      | I      | D      |
| >INTERACTIVE COMMUNICATIONS FEATURE       | ICF        | 5726-SS1/02 |        | 108        | 93          |             |             |    | SC21-7703       | SYS/34,6000/1               | 1      | S      | A      |
| >INTERACTIVE PURCHASING SYSTEM            | 5798-NTK   |             |        | 267        |             |             |             | 12 | GB30-1238       | SYSTEM/34                   | 1      | S      | H      |
| >INVEN/34 INVENTY/PURCH MGMT SYS          | 5798-NWX   |             |        | 488        |             |             |             | 12 | GB30-1102       | SYSTEM/34                   | 1      | S      | H      |
| >INVENTORY CONTROL DISTRIBUTORS           | DMAS II    | 5726-D4C    |        | 89         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY CONTROL DISTRIBUTORS           | DMAS II    | 5726-D43    |        | 93         | 70          |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY CONTROL FOOD DISTRIBUTORS      | FDMAS      | 5726-D67    |        | 89         |             |             |             |    | GH30-0156       | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY CONTROL LUMBER DEALERS         | LDMAS      | 5726-D4G    |        | 89         |             |             |             |    | GH30-0166       | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY MANAGEMENT MFG                 | MMAS       | 5726-M35    |        | 63         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >INVENTORY MANAGEMENT MFG                 | MAPICS     | 5726-M45    |        | 93         | 70          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >JOB ANALYSIS SYSTEM (JAS/34)             | CPM        | 5726-XP1    |        | 134        | 101         |             |             |    | GH30-0511       | SYSTEM/34                   | 1      | S      | B      |
| >JOB COSTING CONSTRUCTION                 | CMAS       | 5726-M61    |        | 51         |             |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | C      |
| >JOB COSTING CONSTRUCTION                 | CMAS/34    | 5726-M66    |        | 63         | 47          |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | D      |
| >MANAGEMENT SYSTEM FOR LAW FIRMS          | LEGAL      | 5726-F52    |        | 377        |             |             |             |    | GH30-0124       | SYSTEM/34                   | 1      | I      | D      |
| >MATERIAL REQUIREMENTS PLANNING MFG MRP   | MAPICS     | 5726-M4B    |        | 169        | 127         |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | MGMS       | 5726-H15    |        | 163        |             |             |             |    | GH30-0228       | SYSTEM/34                   | 1      | I      | C      |
| >MEDICAL GROUP MGMT SYSTEM II CLINICS     | MGMS       | 5726-H16    |        | 260        | 195         |             |             |    | GH30-0228       | SYSTEM/34                   | 1      | I      | D      |
| >MEMBERSHIP AND MAILING LIST SYSTEM       | ASSOC.     | 5726-K11    |        | 123        |             |             |             |    | GH30-0454       | SYSTEM/34                   | 1      | I      | C      |
| >MERCHANDISE CONTROL RETAIL               | RMAS       | 5726-XA3    |        | 366        | 274         |             |             |    | GH30-0136       | SYSTEM/34                   | 1      | I      | D      |
| >MOTOR FREIGHT REVENUE ACCOUNTING         | MFAS       | 5726-T21    |        | 304        |             |             |             |    | GH30-0413       | SYSTEM/34                   | 1      | I      | D      |
| >MULT INDEX SUPPORT - DISK FILES          | 5798-NQL   |             |        | 69         |             |             |             | 06 | GB30-1168       | SYSTEM/34                   | 1      | S      | H      |
| >O/L ENTRY & INQUIRY - LAW FIRMS          | 5798-NQZ   |             |        | 104        |             |             |             | 12 | GB30-1200       | SYSTEM/34                   | 1      | S      | H      |
| >O/L HOSP DATA ENTRY/INQUIRY              | 5798-NRW   |             |        | 195        |             |             |             | 12 | GB30-1214       | SYSTEM/34                   | 1      | S      | H      |
| >ONLINE FILE MAINT PROGRAM WRITER         | 5798-NWD   |             |        | 75         |             |             |             | 06 | GB30-1287       | SYSTEM/34                   | 1      | S      | H      |
| >ONLINE STUDENT REG. SYSTEM               | 5798-NWP   |             |        | 333        |             |             |             | 12 | GB30-1312       | SYSTEM/34                   | 1      | S      | H      |
| >ORDER ENTRY AND INVOICING MFG            | MMAS       | 5726-M39    |        | 77         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >ORDER ENTRY AND INVOICING MFG            | MAPICS     | 5726-M49    |        | 104        | 78          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >OS 6 COMM & FILE CONVERSION SYS          | 5798-NZH   |             |        | 143        |             |             |             | 06 | GB30-1431       | SYSTEM/34                   | 1      | S      | H      |
| >OVER-THE-CTR INV &ACCTS REC INQ OTC      | DMAS II    | 5726-DM5    |        | 2070       |             |             |             | 01 | GB30-2501       | SYSTEM/34                   | 1      | S      | C      |
| >PATIENT BILLING HOSPITAL                 | HFMS       | 5726-H11    |        | 60         |             |             |             |    | GH30-0404       | SYSTEM/34                   | 1      | I      | D      |
| >PAYROLL AND LABOR COSTING CONSTRUCTION   | CMAS/34    | 5726-M69    |        | 113        | 85          |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | D      |
| >PAYROLL CONSTRUCTION                     | CMAS       | 5726-M63    |        | 89         |             |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | C      |
| >PAYROLL DISTRIBUTORS                     | DFAS       | 5726-D6C    |        | 63         |             |             |             |    | GH30-0219       | SYSTEM/34                   | 1      | I      | C      |
| >PAYROLL DISTRIBUTORS MFG MAPICS          | DFAS II    | 5726-M42    |        | 95         | 71          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |

SYSTEM/34 GBOF-3374 DAPS 1474 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >PAYROLL HOSPITAL                         | HFMS       | 5726-H13 |        | 100        |             |             |             |    | GH30-0406       | SYSTEM/34                   | 1      | I      | D      |
| >PAYROLL MFG                              | MMAS       | 5726-M32 |        | 63         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >PERSONAL TEACHING AID                    | PTA/34     | 5726-PT1 |        | 600        |             |             |             | 01 |                 | SYSTEM/34                   | 1      | S      | H      |
| >PRODUCT DATA MANAGEMENT MFG              | MAPICS     | 5726-M46 |        | 154        | 116         |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >PRODUCT DEFINITION & COSTING MFG         | MMAS       | 5726-M36 |        | 59         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >PRODUCTION CONTROL AND COSTING MFG PC&C  | MAPICS     | 5726-M41 |        | 169        | 127         |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >PRODUCTION STATUS AND COSTING MFG        | MMAS       | 5726-M31 |        | 63         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >PROOF OF DEPOSIT TRANSIT SYSTEM          |            | 5798-NMW |        | 172        |             |             |             | 12 | GB30-1141       | SYSTEM/34                   | 1      | S      | H      |
| >PUBLIC BUDGETING & ACCOUNTING APPL GOV'T | PBA        | 5726-G21 |        | 323        | 242         |             |             |    | GH30-0229       | SYSTEM/34                   | 1      | I      | D      |
| >PUBLIC UTILITY CUST SERVICE SYS          |            | 5798-NQG |        | 287        |             |             |             | 12 | GB30-1159       | SYSTEM/34                   | 1      | S      | H      |
| >PURCHASING DISTRIBUTORS                  | DMAS II    | 5726-D46 |        | 197        | 148         |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >REMOTE JOB ENTRY FOR POWER/V'S           |            | 5796-NTR |        | 172        |             |             |             | 06 | GB30-1253       | SYSTEM/34                   | 1      | S      | H      |
| >RETAIL CREDIT CONTROL RETAIL             | RMAS       | 5726-XA5 |        | 230        | 172         |             |             |    | GH30-0136       | SYSTEM/34                   | 1      | I      | D      |
| >RETAIL PHARMACY SYSTEM                   |            | 5798-NRN |        | 603        |             |             |             | 12 | GB30-1226       | SYSTEM/34                   | 1      | S      | H      |
| >REVENUE ACCOUNTING CONSTRUCTION A/R      | CMAS/34    | 5726-M6A |        | 77         | 74          |             |             |    | GH30-0707       | SYSTEM/34                   | 1      | I      | D      |
| >RPG II                                   | LANGUAGE   | 5726-RG1 |        | 44         | 33          |             |             |    | GC21-7669       | SYSTEM/34                   | 1      | S      | A      |
| >RPG II SUBSET                            |            | 5726-RG2 |        | 540        |             |             |             | 01 | GC21-9034       | SYSTEM/34                   | 1      | S      | A      |
| >S/32 TO S/34 CONVERSION AID              |            | 5798-NPC |        | 230        |             |             |             | 01 | GB30-1092       | SYSTEM/34                   | 0      | S      | H      |
| >S/34 ADVERT A/R & CIRCULATION            |            | 5796-NXN |        | 603        |             |             |             | 12 | GB30-1297       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 APPAREL BUS SYS - A/R               |            | 5796-RAD |        | 287        |             |             |             | 12 | GB30-1457       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 APPAREL BUS SYS - G-T-N P/R         |            | 5796-RAK |        | 299        |             |             |             | 12 | GB30-1457       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 APPAREL BUS SYS - OA                |            | 5796-RAE |        | 258        |             |             |             | 12 | GB30-1457       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 APPAREL BUS SYS - OE & C            |            | 5796-RAC |        | 862        |             |             |             | 12 | GB30-1457       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 APPAREL BUS SYS - P/R               |            | 5796-RAJ |        | 299        |             |             |             | 12 | GB30-1457       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 APPLIC SUPPORT FOR 3624 CTF         |            | 5798-RDP |        | 800        |             |             |             | 12 | GB30-1626       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 BAR CODE PRINT FOR MAPICS           |            | 5798-RHN |        | 150        |             |             |             | 06 | GB30-1706       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 CABLE TV O/L CUSTOMER SERV          |            | 5796-NZW |        | 356        |             |             |             | 24 | GB30-1426       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 CALENDAR MANAGEMENT SYSTEM          |            | 5798-NZB |        | 316        |             |             |             | 12 | GB30-1401       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 CENTRAL SITE MAINTENANCE            |            | 5798-RBD |        | 92         |             |             |             | 06 | GB30-1494       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 COBOL CONVERS AID-FROM NCR          |            | 5798-NYR |        | 900        |             |             |             | 01 | GB30-1433       | SYSTEM/34                   | 0      | S      | H      |
| >S/34 COMPUTER ASSISTED TRAINING          |            | 5798-NPE |        | 115        |             |             |             | 06 | GB30-1104       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 COMPUTER ASSISTED TRNG II           |            | 5798-NZA |        | 130        |             |             |             | 06 | GB30-1461       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 CONSTR ESTIM SYS - ELEC             |            | 5796-NXH |        | 1060       |             |             |             | 12 | GB30-1572       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 CONSTRUCTION EST - CONTROL          |            | 5796-NXE |        | 391        |             |             |             | 12 | GB30-1355       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 CONSTRUCTION EST - GEN CONT         |            | 5796-NXF |        | 517        |             |             |             | 12 | GB30-1355       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 CONSTRUCTION EST-MGR EXTENS         |            | 5796-NYE |        | 460        |             |             |             | 12 | GB30-1355       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 DATA COLLEC HOST                    |            | 5798-RDX |        | 69         |             |             |             | 01 | GB30-1552       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 DEALER PARTS INVTY                  |            | 5798-RBG |        | 287        |             |             |             | 24 | GB30-1498       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 DISTRIB & SERVICE MGMT SYS          |            | 5796-RBK |        | 747        |             |             |             | 12 | GB30-1501       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 DMAS II LIFO SUPPORT                |            | 5798-RDL |        | 105        |             |             |             | 12 | GB30-1587       | SYSTEM/34                   | 1      | S      | H      |

SYSTEM/34 GBOF-3374 DAPS 1474 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>Y |
|---|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >S/34 DMAS II PHYS INVTY ENHANCE          |            | 5798-RBN |        | 92         |             |             |             | 12 | GB30-1506       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 EQUIP COSTING/MAINT                 |            | 5796-RBW |        | 690        |             |             |             | 12 | GB30-1511       | SYSTEM/34                   | 1      | I      | H      |
| >S/34 FILE EXTRACT/COMMUNICATION          |            | 5798-RDD |        | 75         |             |             |             | 06 | GB30-1576       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 FIXED ASSET ACCTG/CTL II            |            | 5798-RJH |        | 2100       |             |             |             | 01 | GB30-1787       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 G/L & FINAN ACCTG SYS               |            | 5798-RFW |        | 150        |             |             |             | 12 | GB30-1673       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 GRAPHING SYSTEM                     |            | 5798-NWQ |        | 69         |             |             |             | 06 | GB30-1315       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 HOSP PATIENT MGMT SYSTEM            |            | 5798-RBP |        | 600        |             |             |             | 24 | GB30-1634       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 INTERACTIVE STUDENT RECORDS         |            | 5798-NWF |        | 172        |             |             |             | 12 | GB30-1300       | SYSTEM/34                   | 1      | I      | H      |
| >S/34 MFG ORDER TRACKING SUBSYS           |            | 5798-RCT |        | 104        |             |             |             | 06 | GB30-1536       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 MFRS INVTY FORECASTING              |            | 5798-RDC |        | 400        |             |             |             | 12 | GB30-1532       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 MICR PROGRAM GENERATOR              |            | 5798-RBE |        | 63         |             |             |             | 12 | GB30-1476       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 NEGOTIABLE ORDER OF WITHDRA         |            | 5798-RDE |        | 65         |             |             |             | 12 | GB30-1583       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 O/L HOSP FILE MAINT SYSTEM          |            | 5798-RBX |        | 120        |             |             |             | 06 | GB30-1514       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE ACCTS PAYABLE                |            | 5798-RFT |        | 175        |             |             |             | 12 | GB30-1670       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE APPOINTMENT SYSTEM           |            | 5796-NZP |        | 258        |             |             |             | 12 | GB30-1440       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE BICARSA                      |            | 5798-RFR |        | 450        |             |             |             | 12 | GB30-1667       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE DATA COLLECT/INQUIRY         |            | 5798-NNE |        | 115        |             |             |             | 12 | GB30-1054       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE FREIGHT BILL/RATE            |            | 5796-NZX |        | 345        |             |             |             | 12 | GB30-1461       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE PRINTER SPEC AID             |            | 5798-RFA |        | 50         |             |             |             | 06 | GB30-1619       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE REJECT RE-ENTRY              |            | 5798-NZY |        | 46         |             |             |             | 12 | GB30-1445       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 REMOTE DOC DISTRIB W/ 5520          |            | 5798-RHK |        | 250        |             |             |             | 06 | GB30-1721       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 RPG II COMPIL & SPOOL FILE          |            | 5796-RFP |        | 375        |             |             |             | 01 | GB30-1647       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 STRATEGIC PROFIT MODEL              |            | 5798-NZR |        | 287        |             |             |             | 01 | GB30-1424       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 STRIP & BAR CUTTING OPTIMIZ         |            | 5798-NZC |        | 75         |             |             |             | 12 | GB30-1406       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 TO 5280 REPORT TRANSFER             |            | 5798-RDB |        | 300        |             |             |             | 01 | GB30-1581       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 WHOLESale/RETAIL LUMBER             |            | 5796-REW |        | 500        |             |             |             | 12 | GB30-1615       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 WORK STATION UTILIZ ANALY           |            | 5796-RDN |        | 270        |             |             |             | 01 | GB30-1598       | SYSTEM/34                   | 1      | S      | H      |
| >SALES ANALYSIS DISTRIBUTORS              | DMAS II    | 5726-D4d |        | 89         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >SALES ANALYSIS DISTRIBUTORS              | DMAS II    | 5726-D44 |        | 93         | 70          |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >SALES ANALYSIS FOOD DISTRIBUTORS         | FDMAS      | 5726-D68 |        | 89         |             |             |             |    | GH30-0156       | SYSTEM/34                   | 1      | I      | D      |
| >SALES ANALYSIS LUMBER DEALERS            | LDMAS      | 5726-D4H |        | 89         |             |             |             |    | GH30-0166       | SYSTEM/34                   | 1      | I      | D      |
| >SALES ANALYSIS MFG                       | MMAS       | 5726-M38 |        | 63         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >SALES ANALYSIS MFG                       | MAPICS     | 5726-M48 |        | 93         | 70          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >SALES AUDIT RETAIL                       | RMAS       | 5726-XA2 |        | 238        | 178         |             |             |    | GH30-0136       | SYSTEM/34                   | 1      | I      | D      |
| >SAVINGS ACCOUNTING BANKING               | FINANCE    | 5726-F13 |        | 147        |             |             |             |    | G360-0050       | SYSTEM/34                   | 1      | I      | D      |
| >STUDENT ACCOUNTING SCHOOL ADMINISTRATION | SAS        | 5726-E32 |        | 136        |             |             |             |    | GH30-0414       | SYSTEM/34                   | 1      | I      | D      |
| >STUDENT RECORDS SCHOOL ADMINISTRATION    | SAS        | 5726-E31 |        | 123        |             |             |             |    | GH30-0410       | SYSTEM/34                   | 1      | I      | D      |
| >STUDENT SCHEDULING SCHOOL ADMINISTRATION | SAS        | 5726-E33 |        | 163        |             |             |             |    | GH30-0415       | SYSTEM/34                   | 1      | I      | D      |
| >SUPERMARKET COMMUNICATION SYS            |            | 5798-NTL |        | 230        |             |             |             | 12 | GB30-1247       | SYSTEM/34                   | 1      | S      | H      |
| >SYS/3 TO SYS/34 CONVERSION AID           |            | 5798-NTE |        | 631        |             |             |             | 01 | GB30-1231       | SYSTEM/34                   | 0      | S      | H      |

SYSTEM/34 GBOF-3374 DAPS 1474 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL        | ENVIRONMENT | T I S        |
|--|------------|-------------|---|------|------|------|------|----------------|-------------|--------------|
|  |            |             | C | FEF  | FEE  | FEE  | FEE  | MO             | INFO        | OR FEATURE # |
| >SYSTEM SUPPORT PROGRAM (SSP)            |            | 5726-SS1/01 |   | 152  | 114  |      |      | GC21-7702      | SYSTEM/34   | 1 S A        |
| >SYSTEM SUPPORT PROGRAM SUBSET PRECONFIG | SSP        | 5726-SS2    |   | 1800 |      |      | 01   | GC21-9032      | SYSTEM/34   | 1 S A        |
| >SYSTEM/34 ANS/68 COBOL                  | RPQ-P84019 | 5799-AWR    |   | 105  | 69   |      |      | GC21-7784      | SYSTEM/34   | 1 S A        |
| >TEXT EDITOR                             | RPQ-P84046 | 5799-BFP    |   | 1150 |      |      | 01   | GH30-0245      | SYSTEM/34   | 1 S E        |
| >TRUST DEPT ACCOUNTING SYSTEM            |            | 5796-NTC    |   | 575  |      |      | 12   | GB30-0559      | SYSTEM/34   | 1 S H        |
| >UTILITIES SEU SORT WSU SDA              | DFU        | 5726-UT1    |   | 53   | 40   |      |      | GC21-7659      | SYSTEM/34   | 1 S A        |
| >UTILITIES SUBSET WSU EXEC SORT DFU      | SEU        | 5726-UT2    |   | 660  |      |      | 01   | GC21-9033      | SYSTEM/34   | 1 S A        |
| >WORK STATION SEARCH FACILITY            | WSF/34     | 5726-XR1    |   | 458  |      |      | 01   | G580-0212      | SYSTEM/34   | 0 I B        |
| >WORK STATION SUPPORT SUBROUT            | RPQ-P84034 | 5799-AYW    |   | 18   | 12   |      |      | GC21-7808      | SYSTEM/34   | 1 S A        |
| >3270 DEVICE EMULATION                   |            | 5726-EM1    |   | 182  | 136  |      |      | GC21-7749      | SYSTEM/34   | 1 S A        |
| >3600 FINANCE SUBSYSTEM FEATURE          | FSF        | 5726-SS1/03 |   | 180  | 155  |      |      | SYS/34,6010/11 |             | 1 S A        |
| >3600 O/L TERMINAL SUPPORT - S/34        |            | 5798-RAA    |   | 253  |      |      | 12   | GB30-1454      | SYSTEM/34   | 1 S H        |
| >3694 ALLTIMES FILE TRANS FACIL          |            | 5798-RFJ    |   | 100  |      |      | 12   | GB30-1645      | SYSTEM/34   | 1 S H        |
| >3694 DOCUMENT CTL SECTION EDIT          |            | 5798-RFL    |   | 100  |      |      | 12   | GB30-1645      | SYSTEM/34   | 1 S H        |
| >3694 TABLE PREP FACILITY                |            | 5798-RFK    |   | 100  |      |      | 12   | GB30-1645      | SYSTEM/34   | 1 S H        |
| >5110/5120 TO S/34 BASIC CONV AID        |            | 5798-RFE    |   | 900  |      |      | 01   | GB30-1632      | SYSTEM/34   | 1 S H        |
| >5224/5225 ADV PRINTER FUNCTION          | RPQ-P84045 | 5799-BFN    |   | 525  |      |      | 01   | GC21-7922      | SYSTEM/34   | 1 S E        |
| >5230 DATA COLLECTION SUPPORT FOR S/34   | DCSS       | 5726-M3A    |   | 63   |      |      |      | GH30-0220      | SYSTEM/34   | 1 I C        |

SYSTEM/23 - DATAMASTER GBOF-3375 DAPS 1475

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >ACCOUNTS PAYABLE MGMT INFO MULTI IND     | BUS MGMT   | 5715-XX3 |        | 1025       |             |             |             | 01 | GB30-2744       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >ACCOUNTS RECEIVABLE MGMT INFO MULTI IND  | BUS MGMT   | 5715-XX4 |        | 1025       |             |             |             | 01 | GB30-2722       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >ASYNCHRONOUS COMMUNICATIONS              |            | 5715-AC1 |        | 600        |             |             |             | 01 | SA34-0111       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >BILLING MGMT INFO MULTI IND              | BUS MGMT   | 5715-XX7 |        | 1025       |             |             |             | 01 | GB30-2700       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >BINARY SYNCHRONOUS COMMUNICATIONS        |            | 5715-BC1 |        | 850        |             |             |             | 01 | SA34-0111       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >BUSINESS REPORT APPLICATION DEV SYST     | BRADS III  | 5715-RG2 |        | 1145       |             |             |             | 01 | SB30-2536       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >DATAMASTER WORD AND TEXT PROCESSING      | WP         | 5715-WP1 |        | 500        |             |             |             | 01 | GC34-0417       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >GENERAL LEDGER MGMT INFO MULTI IND       | BUS MGMT   | 5715-XX2 |        | 1025       |             |             |             | 01 | GB30-2733       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >INVENTORY ACCOUNTING MGMT INFO MULTI IND | BUS MGMT   | 5715-XX6 |        | 1025       |             |             |             | 01 | GB30-2711       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >PAYROLL MGMT INFO MULTI IND              | BUS MGMT   | 5715-XX5 |        | 1025       |             |             |             | 01 | GB30-2755       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >S/23 COMPUTERIZED FILLING SYSTEM         |            | 5798-RHD |        | 1440       |             |             |             | 01 | GB30-1695       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 CONSTR INFO - ACCTS PAYABLE         |            | 5796-ZAR |        | 1650       |             |             |             | 01 | GB30-1728       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 CONSTR INFO - GEN LEDG              |            | 5796-ZAT |        | 1550       |             |             |             | 01 | GB30-1728       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 CONSTR INFO - JOB COST              |            | 5796-ZAP |        | 1550       |             |             |             | 01 | GB30-1728       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 CONSTR INFO - PAYROLL               |            | 5796-ZAQ |        | 1750       |             |             |             | 01 | GB30-1728       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 CROP COSTING SYSTEM                 |            | 5798-RGY |        | 2000       |             |             |             | 01 | GB30-1766       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 DAIRY HERD/HEALTH MGMT SYS          |            | 5796-ZAX |        | 2000       |             |             |             | 01 | GB30-1780       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 DATAMASTER DOW JONES NEWS           |            | 5798-RGQ |        | 275        |             |             |             | 01 | GB30-1684       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 ESTIM & COST TRACKING SYS           |            | 5793-AAC |        | 2995       |             |             |             | 01 | GB30-1758       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 FARM MGMT ACCTG SYSTEM              |            | 5796-ZAY |        | 3000       |             |             |             | 01 | GB30-1777       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 JOB SHOP CONTROL - A/P              |            | 5796-ZAJ |        | 1200       |             |             |             | 01 | GB30-1714       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 JOB SHOP CONTROL - A/R              |            | 5796-ZAK |        | 1200       |             |             |             | 01 | GB30-1714       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 JOB SHOP CONTROL - G/L              |            | 5796-ZAN |        | 1200       |             |             |             | 01 | GB30-1714       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 JOB SHOP CONTROL - J/C              |            | 5796-ZAH |        | 2800       |             |             |             | 01 | GB30-1714       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 JOB SHOP CONTROL - P/R              |            | 5796-ZAL |        | 1200       |             |             |             | 01 | GB30-1714       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >S/23 PHYSICIAN MEDICAL SYS               |            | 5796-ZAW |        | 6500       |             |             |             | 01 | GB30-1752       | SYS/23 DATAMASTER           | 1      | I      | H      |
| >SYSTEM/23 CLIENT ACCOUNTING CPA          |            | 5715-CA1 |        | 2050       |             |             |             | 01 | GB30-2796       | SYS/23 DATAMASTER           | 1      | I      | E      |
| >5110/5120 BASIC TO SYS/23 CONVERSION AID | PROD AID   | 5715-CV1 |        | 875        |             |             |             | 01 | GC34-1693       | SYS/23 DATAMASTER           | 1      | I      | E      |

IBM DISPLAYWRITER GBOF-3376 DAPS 1476

| <u>PROGRAM INFORMATION</u>        | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u>   | <u>GENERAL</u> | <u>ENVIRONMENT</u>             | <u>T I S</u> |
|-----------------------------------|-------------------|----------------|----------|------------|-------------|-------------|---------------|----------------|--------------------------------|--------------|
|                                   |                   |                | <u>C</u> | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE MO</u> | <u>INFO</u>    | <u>OR FEATURE #</u>            | <u>P L V</u> |
| >ASYNCHRONOUS COMMUNICATION       | 5608-SR1          | Q              | 120      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >BINARY SYNCHRONOUS COMMUNICATION | 5608-SR2          | Q              | 120      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >LANGUAGEPACK                     | 5608-SR4          | Q              | 180      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >LANGUAGEPACK 2                   | 5608-SR7          | Q              | 240      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >MAGNETIC CARD CONVERSION         | 5608-SR3          | Q              | 180      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >REPORTPACK                       | 5608-SR5          | Q              | 180      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >TEXTPACK 1                       | 5608-TR1          | Q              | 180      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >TEXTPACK 2                       | 5608-TR2          | Q              | 192      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >TEXTPACK 3                       | 5608-TR3          | Q              | 300      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >TEXTPACK 4                       | 5608-TR3          | Q              | 336      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |
| >3270 COMPATIBILITY               | 5608-SR6          | Q              | 300      |            |             |             |               | G544-0851      | DISP <small>LA</small> YWRITER | Y S E        |

IBM PERSONAL COMPUTER GBOF-3377 DAPS 1477

| <u>PROGRAM INFORMATION</u>                | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u> | <u>ENVIRONMENT</u> | <u>T I S</u>         |              |
|---|-------------------|----------------|----------|------------|-------------|-------------|-------------|----------------|--------------------|----------------------|--------------|
|   |                   |                | <u>C</u> | <u>FEF</u> | <u>FEF</u>  | <u>FEF</u>  | <u>FEF</u>  | <u>MO</u>      | <u>INFO</u>        | <u>OR FEATURE #</u>  | <u>P L V</u> |
| >ACCOUNTS PAYABLE / PEACHTREE SOFTWARE    |                   | 6024-007       |          | 595        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >ACCOUNTS RECEIVABLE / PEACHTREE SOFTWARE |                   | 6024-009       |          | 595        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >ADVANCED DIAGNOSTICS PACKAGE             |                   | 6025-077       |          | 155        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >ARITHMETIC GAMES SET 1                   |                   | 6024-024       |          | 60         |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >ARITHMETIC GAMES SET 2                   |                   | 6024-025       |          | 60         |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >ASYNCHRONOUS COMMUNICATION SUPPORT       |                   | 6024-032       |          | 40         |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >DISKETTE SOFTWARE                        |                   | 6024-001       |          | 40         |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >EASYWRITER (R)                           |                   | 6024-005       |          | 175        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >FAST TRACK (R)                           |                   | 6024-023       |          | 90         |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >FORTRAN COMPILER                         |                   | 6024-012       |          | 350        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >FORTRAN-77 COMPILER                      |                   | 6024-034       |          | 175        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >GENERAL ACCOUNTING BY BPI SYSTEMS INC    |                   | 6024-026       |          | 425        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >GENERAL LEDGER / PEACHTREE SOFTWARE      |                   | 6024-008       |          | 595        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >MACRO ASSEMBLER                          |                   | 6024-002       |          | 100        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >MICROSOFT ADVENTURE                      |                   | 6024-006       |          | 30         |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >PASCAL COMPILER                          |                   | 6024-010       |          | 300        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >TYPING TUTOR (CASSETTE VER)              |                   | 6024-018       |          | 25         |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >TYPING TUTOR (DISKETTE VER)              |                   | 6024-013       |          | 25         |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >UCSD P-SYSTEM (R) WITH FORTRAN-77        |                   | 6024-017       |          | 625        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >UCSD P-SYSTEM (R) WITH UCSD-PASCAL (R)   |                   | 6024-016       |          | 625        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >UCSD PASCAL (R) COMPILER                 |                   | 6024-033       |          | 175        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |
| >VISICALC (R)                             |                   | 6024-004       |          | 200        |             |             |             | 01             | GX20-2397          | IBM PERSONAL COMPUTR | 0 S H        |

SYSTEM/38 GBOF-3378 DAPS 1478

| PROGRAM INFORMATION                        | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L Y |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >ACCOUNTS PAYABLE DISTRIBUTION             | DMS/38     | 5714-D48 |        | 61         | 46          |             |             |    | GH30-0710       | SYSTEM/38                   | 1 I D          |
| >ACCOUNTS PAYABLE MANUFACTURING            | MAPICS     | 5714-M43 |        | 61         | 46          |             |             |    | GH30-0710       | SYSTEM/38                   | 1 I D          |
| >ACCOUNTS RECEIVABLE DISTRIBUTION          | DMS/38     | 5714-D42 |        | 99         | 74          |             |             |    | GH30-0130       | SYSTEM/38                   | 1 I D          |
| >ACCOUNTS RECEIVABLE MANUFACTURING         | MAPICS     | 5714-M44 |        | 61         | 46          |             |             |    | GH30-0708       | SYSTEM/38                   | 1 I D          |
| >CAPACITY REQUIREMENTS PLANNING CRP MFG    | MAPICS     | 5714-M46 |        | 149        | 112         |             |             |    | GH30-0482       | SYSTEM/38                   | 1 I D          |
| >COBOL                                     |            | 5714-CB1 |        | 202        | 151         |             |             |    | GC21-7766       | SYSTEM/38                   | 1 S A          |
| >CONTROL PROGRAM FACILITY                  | CPF        | 5714-SS1 |        | 581        | 435         |             |             |    | GC21-7729       | SYSTEM/38                   | 1 S A          |
| >CONVERSION REFORMAT UTILITY               | SORT       | 5714-CV2 |        | 15         | 11          |             |             |    | GC21-7778       | SYSTEM/38                   | 1 S A          |
| >CUSTOMER SERVICE BILLING DISTRIBUTION     | DMS/38     | 5714-D41 |        | 113        | 85          |             |             |    | GH30-0130       | SYSTEM/38                   | 1 I D          |
| >DATA COLL SYS SUPPORT 5230 MFG DCSS       | MAPICS     | 5714-M4A |        | 100        | 75          |             |             |    | GH30-0709       | SYSTEM/38                   | 1 I D          |
| >DISPLAY INFORMATION FACILITY ALPHA SEARCH | DIF        | 5714-XR1 |        | 77         | 58          |             |             |    | GH30-0145       | SYSTEM/38                   | 1 I D          |
| >GENERAL LEDGER DISTRIBUTION/MEDIA         | DMS/38     | 5714-D47 |        | 61         | 46          |             |             |    | GH30-0710       | SYSTEM/38                   | 1 I D          |
| >GENERAL LEDGER MFG                        | MAPICS     | 5714-M47 |        | 61         | 46          |             |             |    | GH30-0710       | SYSTEM/38                   | 1 I D          |
| >INTERACTIVE DATA BASE UTILITIES           | IDU        | 5714-UT1 |        | 83         | 62          |             |             |    | GC21-7759       | SYSTEM/38                   | 1 S A          |
| >INV MGMT PROD REP 80RD VAL EVAL IMPROVE   | DMS/38     | 5714-D46 |        | 226        | 169         |             |             |    | GH30-0080       | SYSTEM/38                   | 1 I D          |
| >INVENTORY CONTROL DISTRIBUTION            | DMS/38     | 5714-D43 |        | 106        | 80          |             |             |    | GH30-0130       | SYSTEM/38                   | 1 I D          |
| >INVENTORY MANAGEMENT MANUFACTURING        | MAPICS     | 5714-M45 |        | 78         | 59          |             |             |    | GH30-0708       | SYSTEM/38                   | 1 I D          |
| >MATERIAL REQUIREMENTS PLANNING MRP MFG    | MAPICS     | 5714-M4B |        | 151        | 113         |             |             |    | GH30-0709       | SYSTEM/38                   | 1 I D          |
| >ORDER ENTRY AND INVOICING DE&I            | MAPICS     | 5714-M49 |        | 91         | 68          |             |             |    | GH30-0708       | SYSTEM/38                   | 1 I D          |
| >PAYROLL DISTRIBUTION                      | DMS/38     | 5714-D49 |        | 77         | 58          |             |             |    | GH30-0710       | SYSTEM/38                   | 1 I D          |
| >PAYROLL MANUFACTURING                     | MAPICS     | 5714-M42 |        | 77         | 58          |             |             |    | GH30-0710       | SYSTEM/38                   | 1 I D          |
| >PRODUCT DATA MANAGEMENT MFG PDM           | MAPICS     | 5714-M46 |        | 136        | 102         |             |             |    | GH30-0709       | SYSTEM/38                   | 1 I D          |
| >PRODUCTION CONTROL AND COSTING PCC MFG    | MAPICS     | 5714-M41 |        | 151        | 113         |             |             |    | GH30-0709       | SYSTEM/38                   | 1 I D          |
| >PURCHASING DISTRIBUTION                   | DMS/38     | 5714-D45 |        | 218        | 164         |             |             |    | GH30-0648       | SYSTEM/38                   | 1 I D          |
| >REMOTE JOB ENTRY FACILITY                 | RJE        | 5714-RC1 |        | 135        |             |             |             |    | GC21-7915       | SYSTEM/38                   | 1 S A          |
| >RETAIL DATA PREPARATION 5260              | DATAPREP   | 5714-XA4 |        | 129        | 97          |             |             |    | GH30-0136       | SYSTEM/38                   | 1 I D          |
| >RPG III                                   | COMPILER   | 5714-RG1 |        | 79         | 59          |             |             |    | GC21-7760       | SYSTEM/38                   | 1 S A          |
| >S/3 CCP TO S/38 CONVERSION                | PRD AID    | 5714-CV7 |        | 2810       |             |             |             | 01 | GC21-7772       | SYSTEM/38                   | 0 S D          |
| >S/3 TO S/38 BATCH CONVERSION AID          |            | 5798-RBC |        | 690        |             |             |             | 01 | GB30-1504       | SYSTEM/38                   | 0 S H          |
| >S/3-S/38 BATCH CONVERSION AID             |            | 5798-RDK |        | 650        |             |             |             | 01 | GB30-1585       | SYSTEM/38                   | 0 S H          |
| >S/38 - S/1 COMMUNICATION UTILITY          |            | 5798-RDY |        | 50         |             | 12          |             |    | GB30-1579       | SYSTEM/38                   | 1 S H          |
| >S/38 COBOL CONVERSION AID                 |            | 5798-RGT |        | 1300       |             | 01          |             |    | GB30-1764       | SYSTEM/38                   | 0 S H          |
| >S/38 FRONT END PROCESSOR                  |            | 5798-RHE |        | 350        |             | 12          |             |    | GB30-1712       | SYSTEM/38                   | 1 S H          |
| >S/38 SOURCE ARCHIVE                       |            | 5798-RFD |        | 60         |             | 06          |             |    | GB30-1630       | SYSTEM/38                   | 1 S H          |
| >S/38-S/3 BATCH CONVERSION UTILITIES       | PRD AID    | 5714-CV1 |        | 872        |             | 01          |             |    | GC21-7758       | SYSTEM/38                   | 0 S D          |
| >SALES ANALYSIS DISTRIBUTION               | DMS/38     | 5714-D44 |        | 91         | 68          |             |             |    | GH30-0130       | SYSTEM/38                   | 1 I D          |
| >SALES ANALYSIS MFG                        | MAPICS     | 5714-M48 |        | 77         | 58          |             |             |    | GH30-0708       | SYSTEM/38                   | 1 I D          |
| >SYSTEM/34 TO SYSTEM/38 CONVERSION         | PRD AID    | 5714-CV5 |        | 1495       |             |             |             | 01 | GH30-0460       | SYSTEM/38                   | 0 S D          |
| >SYSTEM/38 LOG RECOVERY                    | RPQ-P84042 | 5799-BEP |        | 58         |             |             |             |    | GC21-7913       | SYSTEM/38                   | 1 S D          |
| >TEXT MANAGEMENT                           | RPQ-P84087 | 5799-BFZ |        | 50         |             |             |             |    | GC21-7925       | SYSTEM/38                   | 1 S A          |



SYSTEM/38 GBOF-3378 DAPS 1478 (CONT.)

| <u>PROGRAM INFORMATION</u>             | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u><br><u>C</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u><br><u>INFO</u> | <u>ENVIRONMENT</u><br><u>OR FEATURE #</u> | <u>T I S</u><br><u>P L Y</u> |
|--|-------------------|----------------|----------------------|------------|-------------|-------------|-------------|-------------------------------|---|------------------------------|
| >WORK STATION SEARCH FACILITY FOR S/38 | WSF/38            | 5714-WS1       |                      | 690        |             |             |             | 01 6H30-0458                  | SYSTEM/38                                 | 1 S D                        |

STAND ALONE SYSTEMS PRODUCTIVITY AIDS

GBOF-3379 DAPS 1479

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T | LIC  | DSLO | LLPS | MLPS | GENERAL      | ENVIRONMENT       | T I S        |
|---|------------|----------|---|------|------|------|------|--------------|-------------------|--------------|
|   |            |          | C | FEE  | FEE  | FEE  | FEE  | MO           | INFO              | OR FEATURE # |
| >BRADS II GRAPH GENERATOR                 | BRADSGRAPH | 5721-DC8 |   | 632  |      |      |      | 01 GH30-2521 | 5120 SYSTEM       | 1 S C        |
| >BRADS II SPREAD SHEET GENERATOR          | BRADS SPRD | 5721-XB7 |   | 58   |      |      |      | 12 GB30-1412 | 5120 SYSTEM       | 1 S C        |
| >CONVERSION REFORMAT UTILITY              | SORT       | 5714-CV2 |   | 15   | 11   |      |      | GC21-7778    | SYSTEM/38         | 1 S A        |
| >DISPLAY INFORMATION FACILITY ALPH SEARCH | DIF        | 5714-XR1 |   | 77   | 58   |      |      | GH30-0145    | SYSTEM/38         | 1 I D        |
| >FILE CONVERSION UTILITY                  | FCU        | 5725-UT2 |   | 76   |      |      |      | GC34-0081    | SYSTEM/32         | 1 S A        |
| >JOB ANALYSIS SYSTEM (JAS/34)             | CPM        | 5726-XP1 |   | 134  | 101  |      |      | GH30-0511    | SYSTEM/34         | 1 S B        |
| >S/3 CCP TO S/38 CONVERSION               | PROD AID   | 5714-CV7 |   | 2810 |      |      | 01   | GC21-7772    | SYSTEM/38         | 0 S D        |
| >S/3 TO 3741 DATA TRANSFER                |            | 5798-AZZ |   | 62   |      |      | 06   | GB21-1207    | SYSTEM/3          | 1 I H        |
| >S/38-S/3 BATCH CONVERSION UTILITIES      | PROD AID   | 5714-CV1 |   | 872  |      |      | 01   | GC21-7758    | SYSTEM/38         | 0 S D        |
| >STRUCTURED PROGRAM FACILITY MVS/TCAM     |            | 5719-CR2 |   | 265  |      |      | 24   | GC34-1637    | SERIES/1          | 1 S C        |
| >STRUCTURED PROGRAM FACILITY MVS/VTAM     |            | 5719-CR1 |   | 265  |      |      | 24   | GC34-1636    | SERIES/1          | 1 S C        |
| >STRUCTURED PROGRAMMING FACILITY          |            | 5719-ED1 | R | 265  |      |      | 24   | GC34-1623    | SERIES/1          | 1 S C        |
| >SYS/32 TO 3741 DATA TRANSFER             |            | 5798-NLB |   | 63   |      |      | 06   | GB30-1004    | SYSTEM/32         | 1 S H        |
| >SYSTEM/34 TO SYSTEM/38 CONVERSION        | PROD AID   | 5714-CV5 |   | 1495 |      |      | 01   | GH30-0460    | SYSTEM/38         | 0 S D        |
| >WORK STATION SEARCH FACILITY             | WSF/34     | 5726-XR1 |   | 458  |      |      | 01   | G580-0212    | SYSTEM/34         | 0 I B        |
| >WORK STATION SEARCH FACILITY FOR S/38    | WSF/38     | 5714-WS1 |   | 690  |      |      | 01   | GH30-0458    | SYSTEM/38         | 1 S D        |
| >3270 DEVICE EMULATION                    |            | 5726-EM1 |   | 182  | 136  |      |      | GC21-7749    | SYSTEM/34         | 1 S A        |
| >5110/5120 BASIC TO SYS/23 CONVERSION AID | PROD AID   | 5715-CV1 |   | 875  |      |      | 01   | GC34-1693    | SYS/23 DATAMASTER | 1 I E        |
| >5280-3270 EMULATION                      |            | 5708-EM1 |   | 46   | 35   |      |      | GC34-0383    | 5280 DATA SYSTEM  | 1 S A        |

DISTRIBUTION INDUSTRY APPLICATIONS GBOF-3301 DAPS 1481

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >ACCOUNTS PAYABLE DISTR MFG MAPICS       | DFAS II    | 5726-M43 |        | 70         | 53          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS PAYABLE DISTRIBUTION           | DMS/38     | 5714-D48 |        | 61         | 46          |             |             |    | GH30-0710       | SYSTEM/38                   | 1      | I      | D      |
| >ACCOUNTS PAYABLE DISTRIBUTORS           | DFAS       | 5725-D62 |        | 49         |             |             |             |    | GH30-0315       | SYSTEM/32                   | 1      | I      | C      |
| >ACCOUNTS PAYABLE DISTRIBUTORS           | DFAS       | 5726-D6B |        | 49         |             |             |             |    | GH30-0219       | SYSTEM/34                   | 1      | I      | C      |
| >ACCOUNTS RECEIVABLE                     | DMAS       | 5725-D43 |        | 68         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE DISTRIBUTION        | DMS/38     | 5714-D42 |        | 99         | 74          |             |             |    | GH30-0130       | SYSTEM/38                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE DISTRIBUTORS        | DMAS II    | 5726-D4B |        | 68         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE DISTRIBUTORS        | DMAS II    | 5726-D42 |        | 70         | 53          |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS   | FDMAS      | 5725-D66 |        | 68         |             |             |             |    | GH30-0156       | SYSTEM/32                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS   | FDMAS      | 5726-D66 |        | 69         |             |             |             |    | GH30-0156       | SYSTEM/34                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE LUMBER DEALERS      | LDMAS      | 5725-D4B |        | 68         |             |             |             |    | GH30-0166       | SYSTEM/32                   | 1      | I      | D      |
| >ACCOUNTS RECEIVABLE LUMBER DEALERS      | LDMAS      | 5726-D4F |        | 68         |             |             |             |    | GH30-0166       | SYSTEM/34                   | 1      | I      | D      |
| >ADVANCED DATA COMMUNICATION FOR STORES  |            | 5735-XR2 |        | 208        |             |             |             |    | GH20-2188       |                             | 1      | S      | E      |
| >APPAREL BUSINESS CONTROL                |            | 5701-D12 |        | 94         |             |             |             |    | GH20-0822       | SYSTEM/3                    | 1      | I      | C      |
| >BATCH TRANSFER PROGRAM                  | BTP        | 5747-BW1 |        |            |             |             |             |    | GC33-5900       | DOS/V5                      | 0      | S      | C      |
| >BILLING DISTRIBUTORS                    | DMAS II    | 5726-D4A |        | 98         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >BILLING DISTRIBUTORS                    | DMAS II    | 5726-D41 |        | 103        | 77          |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >BILLING FOOD DISTRIBUTORS               | FDMAS      | 5725-D6A |        | 98         |             |             |             |    | GH30-0156       | SYSTEM/32                   | 1      | I      | D      |
| >BILLING FOOD DISTRIBUTORS               | FDMAS      | 5726-D65 |        | 100        |             |             |             |    | GH30-0156       | SYSTEM/34                   | 1      | I      | D      |
| >BILLING INVOICING ORDER ENTRY           | DMAS       | 5725-D41 |        | 98         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1      | I      | D      |
| >BILLING LUMBER DEALERS                  | LDMAS      | 5725-D4F |        | 98         |             |             |             |    | GH30-0166       | SYSTEM/32                   | 1      | I      | D      |
| >BILLING LUMBER DEALERS                  | LDMAS      | 5726-D4E |        | 100        |             |             |             |    | GH30-0166       | SYSTEM/34                   | 1      | I      | D      |
| >CASHIER ASSIGNMENT SYSTEM               |            | 5798-CKQ |        | 250        |             |             |             | 12 | GB21-1921       | DOS/V5                      | 1      | I      | H      |
| >CHAMPION DISTRIBUTED PROC SYSTEM        |            | 5796-NRD | P      | 195        |             |             |             | 12 | GB30-1207       | SERIES/1                    | 1      | S      | H      |
| >COMPLIMENTARY FOLIO ACCOUNTING          |            | 5798-NWC |        | 517        |             |             |             | 12 | GB30-1281       | SYSTEM/3                    | 1      | S      | H      |
| >COMPUTER ASSISTED PHARMACY SYSTEM       |            | 5796-BBD |        | 5375       |             |             |             | 24 | G320-6422       | MVS                         | 1      | S      | H      |
| >COMPUTER ASSISTED PHARMACY SYSTEM       |            | 5796-BBK |        | 5375       |             |             |             | 24 | G320-6430       | DOS/VSE                     | 1      | S      | H      |
| >CONSUMER GOODS SYSTEM - ALLOCATION      | COGS       | 5734-D32 |        | 165        |             |             |             |    | GH20-4410       | OS/MFT/MVT/V51/V52          | 1      | I      | C      |
| >CONSUMER GOODS SYSTEM - ALLOCATION DOS  | COGS       | 5736-D31 |        | 165        |             |             |             |    | GH20-0721       | DOS, DOS/V5                 | 1      | I      | C      |
| >CONSUMER GOODS SYSTEM - FORECASTING     | COGS       | 5734-D33 |        | 220        |             |             |             |    | GH20-4409       | OS/MFT/MVT/V51/V52          | 1      | I      | C      |
| >CONSUMER GOODS SYSTEM - FORECASTING DOS | COGS       | 5736-D32 |        | 220        |             |             |             |    | GH20-0722       | DOS, DOS/V5                 | 1      | I      | C      |
| >CREDIT AUTHORIZATION                    |            | 5798-DEW | P      | 2625       |             |             |             | 12 | GB21-2748       | OS/V5, CICS/V5              | 1      | S      | H      |
| >CUSTOMER SERVICE BILLING DISTRIBUTION   | DMS/38     | 5714-D41 |        | 113        | 85          |             |             |    | GH30-0130       | SYSTEM/38                   | 1      | I      | D      |
| >DATA CONVERSION SYSTEM                  |            | 5798-NXA |        | 113        |             |             |             | 24 | GB30-1290       | SYSTEM/3                    | 1      | S      | H      |
| >DATA PREPARATION RETAIL                 | RMAS       | 5726-XA4 |        | 119        | 89          |             |             |    | GH30-0136       | SYSTEM/34                   | 1      | I      | D      |
| >DEALER ACCT SYS - WESTLAND AUTO         |            | 5796-ABV |        | 527        |             |             |             | 12 | G320-1423       | SYSTEM/3                    | 1      | I      | H      |
| >DEALER PARTS INVTY COMM SYSTEM          |            | 5798-NZL |        | 86         |             |             |             | 12 | GB30-1443       | 5120 SYSTEM                 | 1      | S      | H      |
| >DIRECT STORE VENDOR DELIVERY CONTROL    |            | 5796-BBE |        | 655        |             |             |             | 24 | G320-6423       | DOS/V5 CICS DL/I            | 1      | S      | H      |
| >DLR PARTS INVTY COMMUNIC SYSTEM         |            | 5798-NYB |        | 132        |             |             |             | 12 | GB30-1346       | SYSTEM/34                   | 1      | S      | H      |
| >DMAS II A/R ENHAN - FOOD DISTR          |            | 5798-NXZ |        | 138        |             |             |             | 12 | GB30-1340       | SYSTEM/34                   | 1      | S      | H      |

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CODES EXPLAINED ON PAGE XI

DISTRIBUTION INDUSTRY APPLICATIONS GBOF-3301 DAPS 1481 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >DMAS II BILLING ENH - FOOD DISTR         |            | 5798-NXY |        | 207        |             |             |             | 12 | GB30-1340       | SYSTEM/34                   | 1      | S      | H      |
| >EDX SUPERMARKET ENERGY MANAGEMNT         |            | 5798-NTH |        | 115        |             |             |             | 12 | GB30-1233       | SERIES/1                    | 1      | S      | H      |
| >FINANCIAL APPLICATIONS BRIDGE RETAIL     | RMAS       | 5726-XA7 |        | 150        |             |             |             | 24 | GH30-0136       | SYSTEM/34                   | 1      | S      | E      |
| >FREIGHT BILL AUDIT AND RATING SYSTEM     |            | 5796-AEJ |        | 1215       |             |             |             | 24 | G320-8071       | OS/MVT                      | 2      | I      | H      |
| >FREIGHT BILL AUDITING SYSTEM             |            | 5796-AJB |        | 350        |             |             |             | 12 | G320-8147       | DOS/VS                      | 1      | I      | H      |
| >GENERAL LEDGER DISTR MFG MAPICS          | DFAS II    | 5726-M47 |        | 70         | 53          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >GENERAL LEDGER DISTRIBUTION/MEDIA        | DMS/38     | 5714-D47 |        | 61         | 46          |             |             |    | GH30-0710       | SYSTEM/38                   | 1      | I      | D      |
| >GENERAL LEDGER DISTRIBUTORS              | DFAS       | 5725-D61 |        | 49         |             |             |             |    | GH30-0314       | SYSTEM/32                   | 1      | I      | C      |
| >GENERAL LEDGER DISTRIBUTORS              | DFAS       | 5726-D6A |        | 49         |             |             |             |    | GH30-0219       | SYSTEM/34                   | 1      | I      | C      |
| >HOTEL FRONT OFFICE MGMT SYS              |            | 5796-NLF |        | 632        |             |             |             | 12 | GB30-1020       | SYSTEM/32                   | 1      | I      | H      |
| >HVY EQUIP DLR PARTS OE/INV STAT          |            | 5796-NWZ |        | 575        |             |             |             | 12 | GB30-1322       | SERIES/1                    | 1      | S      | H      |
| >IBM HOTEL FRONT OFFICE SYSTEM            |            | 5660-274 | P      | 475        |             |             |             | 48 | GH20-5506       | DMS/DPPX, DPPX/COBOL        | 3      | S      | E      |
| >INFOREM II ALLOCATION                    |            | 5798-DDT |        | 560        |             |             |             | 24 | GB21-2695       | OS/VS, DOS/VSE              | 1      | S      | H      |
| >INFOREM II ONLINE PROCESSOR              |            | 5798-DET |        | 640        |             |             |             | 24 | GB21-2695       | OS/VS, DOS/VSE              | 1      | S      | H      |
| >INTERACTIVE PURCHASING SYSTEM            |            | 5796-NJH |        | 230        |             |             |             | 12 | GB30-0911       | SYSTEM/3                    | 1      | I      | H      |
| >INTERACTIVE PURCHASING SYSTEM            |            | 5798-NTK |        | 267        |             |             |             | 12 | GB30-1238       | SYSTEM/34                   | 1      | S      | H      |
| >INV MGMT PROD REP & ORD VAL EVAL IMPROVE | DMS/38     | 5714-D46 |        | 226        | 169         |             |             |    | GH30-0080       | SYSTEM/38                   | 1      | I      | D      |
| >INVEN/3 - COMPUTER ASSISTED INV          |            | 5798-NCX |        | 345        |             |             |             | 12 | GB30-0688       | SYSTEM/3                    | 1      | I      | H      |
| >INVEN/34 INVENTY/PURCH MGMT SYS          |            | 5798-NWX |        | 488        |             |             |             | 12 | GB30-1102       | SYSTEM/34                   | 1      | S      | H      |
| >INVENTORY CONTROL DISTRIBUTION           | DMS/38     | 5714-D43 |        | 106        | 80          |             |             |    | GH30-0130       | SYSTEM/38                   | 1      | I      | D      |
| >INVENTORY CONTROL DISTRIBUTORS           | DMAS II    | 5726-D4C |        | 89         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY CONTROL DISTRIBUTORS           | DMAS II    | 5726-D43 |        | 93         | 70          |             |             |    | GH30-0185       | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY CONTROL FOOD DISTRIBUTORS      | FDMAS      | 5725-D68 |        | 89         |             |             |             |    | GH30-0156       | SYSTEM/32                   | 1      | I      | D      |
| >INVENTORY CONTROL FOOD DISTRIBUTORS      | FDMAS      | 5726-D67 |        | 89         |             |             |             |    | GH30-0156       | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY CONTROL LUMBER DEALERS         | LDMAS      | 5725-D40 |        | 89         |             |             |             |    | GH30-0166       | SYSTEM/32                   | 1      | I      | D      |
| >INVENTORY CONTROL LUMBER DEALERS         | LDMAS      | 5726-D46 |        | 89         |             |             |             |    | GH30-0166       | SYSTEM/34                   | 1      | I      | D      |
| >INVENTORY CONTROL STOCK STATUS           | DMAS       | 5725-D45 |        | 89         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1      | I      | D      |
| >INVENTORY FORECASTING & REPLENISHMENT II | INFOREM II | 5798-DDR |        | 625        |             |             |             | 24 | GB21-2695       | OS/VS, DOS/VSE              | 1      | S      | H      |
| >INVENTORY FORECASTING ALLOCATION MODULES |            | 5798-CXG |        | 410        |             |             |             | 12 | GB21-2323       | INFOREM 5798-CFH            | 1      | S      | H      |
| >INVENTORY FORECASTING AND REPLENISHMENT  | INFOREM    | 5798-CFH |        | 1500       |             |             |             | 12 | GB21-1674       | DOS/VS, OS/VS               | 1      | S      | H      |
| >INVTY ACCTG/MGMT REPORT SYSTEM           |            | 5798-NPD |        | 100        |             |             |             | 24 | GB30-1095       | SYSTEM/32                   | 1      | S      | H      |
| >JOB ANALYSIS SYSTEM (JAS/3) MOD 8/10DISK | CRIT PATH  | 5702-XP1 |        | 124        |             |             |             |    | GH20-1085       | SYSTEM/3                    | 1      | S      | C      |
| >LINEAR PROGRAMMING-MEAT BLENDING         |            | 5798-NQQ |        | 172        |             |             |             | 12 | GB30-1180       | 5120 SYSTEM                 | 1      | S      | H      |
| >MERCHANDISE CONTROL RETAIL               | RMAS       | 5726-XA3 |        | 366        | 274         |             |             |    | GH30-0136       | SYSTEM/34                   | 1      | I      | D      |
| >ON-LINE HOTEL FRONT OFFICE MGMT          |            | 5798-ZZA |        | 1205       |             |             |             | 24 |                 | SYSTEM/3                    | 1      | S      | H      |
| >ONLINE PURCH & RECEIVING SYS             |            | 5796-NLQ |        | 345        |             |             |             | 12 | GB30-1041       | SYSTEM/3                    | 1      | S      | H      |
| >OPTIMUM BLENDING                         |            | 5798-NRF |        | 195        |             |             |             | 12 | GB30-0697       | SYSTEM/32                   | 1      | S      | H      |
| >OVER-THE-CTR INV &ACCTS REC INQ OTC      | DMAS II    | 5726-DM5 |        | 2070       |             |             |             | 01 | GB30-2501       | SYSTEM/34                   | 1      | S      | C      |
| >PAYROLL DISTRIBUTION                     | DMS/38     | 5714-D49 |        | 77         | 58          |             |             |    | GH30-0710       | SYSTEM/38                   | 1      | I      | D      |
| >PAYROLL DISTRIBUTORS                     | DFAS       | 5725-D63 |        | 63         |             |             |             |    | GH30-0302       | SYSTEM/32                   | 1      | I      | C      |

DISTRIBUTION INDUSTRY APPLICATIONS GBOF-3301 DAPS 1481 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MD | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >PAYROLL DISTRIBUTORS                    | DFAS       | 5726-D6C |        | 63         |             |             |             |    | GH30-0219       | SYSTEM/34                   | 1 I C          |
| >PAYROLL DISTRIBUTORS MFG MAPICS         | DFAS II    | 5726-M42 |        | 95         | 71          |             |             |    | GH30-0221       | SYSTEM/34                   | 1 I D          |
| >PHARMACY APPLICATION STORE ENVIRONMENT  |            | 5735-H11 |        | 48         |             |             |             |    | GH20-2189       | DOS/VSE, OS/VSE             | 1 S A          |
| >POINT OF SALE DATA COLLECTION           |            | 5798-NVA |        | 258        |             |             |             | 12 | GB30-1397       | SERIES/1                    | 1 S H          |
| >PURCHASING DISTRIBUTION                 | DMS/38     | 5714-D55 |        | 218        | 164         |             |             |    | GH30-0648       | SYSTEM/38                   | 1 I D          |
| >PURCHASING DISTRIBUTORS                 | DMAS II    | 5726-D46 |        | 197        | 148         |             |             |    | GH30-0185       | SYSTEM/34                   | 1 I D          |
| >RETAIL CREDIT CONTROL RETAIL            | RMAS       | 5726-XA5 |        | 230        | 172         |             |             |    | GH30-0136       | SYSTEM/34                   | 1 I D          |
| >RETAIL CREDIT SYSTEM                    |            | 5796-NQY |        | 460        |             |             |             | 12 | GB30-1194       | SYSTEM/32                   | 1 S H          |
| >RETAIL DATA PREPARATION 5260            | DATAPREP   | 5714-XA4 |        | 129        | 97          |             |             |    | GH30-0136       | SYSTEM/38                   | 1 I D          |
| >RETAIL DATA PREPARATION 5265            | RMAS       | 5725-XA2 |        | 119        |             |             |             |    | GH30-0136       | SYSTEM/32                   | 1 I B          |
| >RETAIL MERCHANDISE TICKETING            |            | 5796-BCA |        | 250        |             |             |             | 24 | G320-6625       | DPPX                        | 1 S H          |
| >RETAIL MERCHANDISING SYSTEM             |            | 5796-NPA |        | 391        |             |             |             | 12 | GB30-1081       | SYSTEM/32                   | 1 S H          |
| >RETAIL PHARMACY SYSTEM                  |            | 5796-NLC |        | 287        |             |             |             | 12 | GB30-1000       | SYSTEM/32                   | 1 S H          |
| >RETAIL PHARMACY SYSTEM                  |            | 5798-NRN |        | 603        |             |             |             | 12 | GB30-1226       | SYSTEM/34                   | 1 S H          |
| >RETAIL STORE SYSTEM HOST SUPPORT        |            | 5744-BQ1 |        |            |             |             |             |    | GC30-3022       | OS/VSE                      | 0 S S          |
| >RETAIL VENDOR ACCTS PAY SYSTEM          |            | 5796-NTD |        | 115        |             |             |             | 12 | GB30-0771       | SYSTEM/32                   | 1 S H          |
| >S/1 AUTO DEALER SYSTEM                  |            | 5796-RFG |        | 730        |             |             |             | 24 | GB30-1723       | SERIES/1                    | 1 S H          |
| >S/1 EDX CHAIN PHARMACY SYS              |            | 5798-RGD | P      | 2200       |             |             |             | 01 | GB30-1699       | SERIES/1                    | 1 S H          |
| >S/1 EDX RETAIL PHARMACY SYSTEM          |            | 5796-NZT |        | 195        |             |             |             | 24 | GB30-1421       | SERIES/1                    | 1 S H          |
| >S/34 DEALER PARTS INVNTY                |            | 5798-RBG |        | 287        |             |             |             | 24 | GB30-1498       | SYSTEM/34                   | 1 S H          |
| >S/34 DISTRIB & SERVICE MGMT SYS         |            | 5796-RBK |        | 747        |             |             |             | 12 | GB30-1501       | SYSTEM/34                   | 1 S H          |
| >S/34 DMAS II LIFO SUPPORT               |            | 5798-RDL |        | 105        |             |             |             | 12 | GB30-1587       | SYSTEM/34                   | 1 S H          |
| >S/34 DMAS II PHYS INVNTY ENHANCE        |            | 5798-RBN |        | 92         |             |             |             | 12 | GB30-1506       | SYSTEM/34                   | 1 S H          |
| >S/34 FILE EXTRACT/COMMUNICATION         |            | 5798-RDD |        | 75         |             |             |             | 06 | GB30-1576       | SYSTEM/34                   | 1 S H          |
| >S/34 WHOLESALE/RETAIL LUMBER            |            | 5796-RFW |        | 500        |             |             |             | 12 | GB30-1615       | SYSTEM/34                   | 1 S H          |
| >SALES ANALYSIS                          | DMAS       | 5725-D47 |        | 89         |             |             |             |    | GH30-0093       | SYSTEM/32                   | 1 I D          |
| >SALES ANALYSIS DISTRIBUTION             | DMS/38     | 5714-D44 |        | 91         | 68          |             |             |    | GH30-0130       | SYSTEM/38                   | 1 I D          |
| >SALES ANALYSIS DISTRIBUTORS             | DMAS II    | 5726-D4D |        | 89         |             |             |             |    | GH30-0093       | SYSTEM/34                   | 1 I D          |
| >SALES ANALYSIS DISTRIBUTORS             | DMAS II    | 5726-D44 |        | 93         | 70          |             |             |    | GH30-0185       | SYSTEM/34                   | 1 I D          |
| >SALES ANALYSIS FOOD DISTRIBUTORS        | FDMAS      | 5725-D6C |        | 89         |             |             |             |    | GH30-0156       | SYSTEM/32                   | 1 I D          |
| >SALES ANALYSIS FOOD DISTRIBUTORS        | FDMAS      | 5726-D68 |        | 89         |             |             |             |    | GH30-0156       | SYSTEM/34                   | 1 I D          |
| >SALES ANALYSIS LUMBER DEALERS           | LDMAS      | 5725-D49 |        | 89         |             |             |             |    | GH30-0166       | SYSTEM/32                   | 1 I D          |
| >SALES ANALYSIS LUMBER DEALERS           | LDMAS      | 5726-D4H |        | 89         |             |             |             |    | GH30-0166       | SYSTEM/34                   | 1 I D          |
| >SALES AUDIT RETAIL                      | RMAS       | 5726-XA2 |        | 238        | 178         |             |             |    | GH30-0136       | SYSTEM/34                   | 1 I D          |
| >SIMULTANEOUS PRINTING 3650 TRANSACTIONS |            | 5798-CZK |        | 25         |             |             |             | 12 | GB21-2469       | DOS/VSE                     | 1 S H          |
| >STORE SYSTEM INSTALLATION AIDS          | PSS        | 5770-SA1 |        |            |             |             |             |    |                 | DOS/VSE, DOS/VSE            | 0 S B          |
| >STORE SYSTEM INSTALLATION AIDS          | PSS        | 5770-SA2 |        |            |             |             |             |    |                 | OS/VSE                      | 0 S B          |
| >SUBSYSTEM PROGRAM PREPARATION           |            | 5744-B02 |        |            |             |             |             |    | GC30-9513       | OS/VSE                      | 0 S S          |
| >SUBSYSTEM PROGRAM PREPARATION           |            | 5747-BJ2 |        |            |             |             |             |    | GC30-9515       | DOS/VSE                     | 0 S S          |
| >SUPERMARKET CASHIER PERFORMANCE SYSTEM  |            | 5796-BAE |        | 180        |             |             |             | 12 | G320-6407       | DOS/VSE                     | 1 S H          |

DISTRIBUTION INDUSTRY APPLICATIONS GBOF-3301 DAPS 1481 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S                   |       |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|-------------------------|-------|
|  |            |          |        |            |             |             |             |    |                 |                             | P L V                   |       |
| >SUPERMARKET COMMUNICATION SYS           |            | 5798-NTL |        | 230        |             |             |             |    | 12              | GB30-1247                   | SYSTEM/34               | 1 S H |
| SUPERMARKET SYSTEM HOST                  |            | 5747-BK1 |        |            |             |             |             |    |                 | GC30-3025                   | DOS/V5                  | 0 S S |
| >UNIT INVENTORY TECHNIQUES               | RETAIL     | 5701-D11 |        | 94         |             |             |             |    |                 | GH20-0931                   | SYSTEM/3                | 1 I C |
| VEHICLE MAINTENANCE AND COST ANALYSIS    |            | 5798-AAG |        | 132        |             |             |             | 12 |                 | GB21-0019                   | DOS                     | 0 S H |
| >3650 APPLICATION DEVELOPMENT DEBUG      |            | 5798-DGY |        | 70         |             |             |             | 12 |                 | GB21-2883                   | OS/V5, DOS/VSE          | 1 S H |
| 3650 PHARMACY APPLICATION                |            | 5798-DAK |        | 471        |             |             |             | 24 |                 | GB21-2513                   | DOS/V5 OS/V5            | 1 S H |
| 3650 POINT OF SALE REPORT CUSTOMIZER     | PSS        | 5748-D15 |        | 9          |             |             |             | 48 |                 | GC30-3054                   | 3650                    | 1 S A |
| 3650 POINT OF SALE RETAIL ENVIRONMENT    | PSS        | 5748-D14 |        | 84         |             |             |             | 48 |                 | GC30-3056                   | DOS/V5, OS/V5           | 1 S A |
| 3650 PROGRAMMABLE STORE SYSTEM COBOL     |            | 5740-CB2 |        | 254        | 190         | 8           | 13          |    |                 | GC30-3059                   | OS/V5                   | 1 S K |
| 3650 PROGRAMMABLE STORE SYSTEM COBOL     |            | 5746-CB2 |        | 186        | 139         | 8           | 13          |    |                 | GC30-3059                   | DOS/V5                  | 1 S K |
| 3650 PROGRAMMABLE STORE SYSTEM SPSS      |            | 5747-CJ2 |        |            |             |             |             |    |                 | GC30-9535                   | DOS/V5                  | 0 S N |
| 3650 PSS SPSS II                         |            | 5744-DA1 |        |            |             |             |             |    |                 | GC30-9535                   | OS/V5                   | 0 S N |
| 3650 RETAIL STORE SYSTEM                 |            | 5744-BQ3 |        |            |             |             |             |    |                 | GC30-9512                   | OS/V5                   | 0 S S |
| 3650 RETAIL STORE SYSTEM                 |            | 5747-BJ3 |        |            |             |             |             |    |                 | GC30-9514                   | DOS/V5                  | 0 S N |
| 3650 RETAIL STORES SYSTEM                |            | 5747-BJ1 |        |            |             |             |             |    |                 | GC30-3023                   | DOS/V5                  | 0 S S |
| 3650 RETAIL TRANSACTION STAGING          |            | 5798-DDQ |        | 215        |             |             |             | 12 |                 | GB21-2703                   | OS/V5, VSE 5748-D14     | 1 S H |
| 3650 STORE ACCOUNTING REPORT CUSTOMIZER  | SPARC      | 5798-CWG |        | 71         |             |             |             | 12 |                 | GB21-2273                   | DOS/V5 ANS COBOL        | 1 S H |
| 3650 STORE DATA MANAGEMENT               | PSS        | 5748-D22 |        | 21         |             |             |             | 48 |                 | GH20-2150                   | DOS/V5, OS/V51, MVS     | 1 S A |
| 3650 STORE MERCHANDISE MANAGEMENT        |            | 5798-DCB |        | 1305       |             |             |             | 01 |                 | GB21-2583                   | OS/V5, DOS/V5           | 1 S H |
| 3650 STORE RESOURCE MANAGEMENT SYSTEM    |            | 5798-DCD |        | 1585       |             |             |             | 01 |                 | GB21-2591                   | OS/V5, DOS/V5           | 1 S H |
| 3650 SUBSYSTEM PROGRAM PREP SUPPORT II   | SPSS II    | 5735-D16 |        | 400        | 300         | 22          | 35          |    |                 | GC30-9524                   | DOS/VSE, OS/V5          | 1 S K |
| 3650 SUPERMARKET ENVIRONMENT             | PSS        | 5748-D21 |        | 55         |             |             |             | 48 |                 | GC30-3055                   | 3650                    | 1 S A |
| 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | PSS        | 5744-D16 |        |            |             |             |             |    |                 | GC30-3060                   | OS/V5                   | 0 S J |
| 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | PSS        | 5747-D16 |        |            |             |             |             |    |                 | GC30-9536                   | DOS/VSE                 | 0 S N |
| 3660 SUPERMARKET STORE SYSTEM            |            | 5744-BR2 |        |            |             |             |             |    |                 | GC30-9504                   | OS/V5                   | 0 S S |
| 3660 SUPERMARKET STORE SYSTEM            |            | 5747-BK2 |        |            |             |             |             |    |                 | GH30-3025                   | DOS/V5                  | 0 S S |
| 3660 SUPERMARKET SYSTEM - HOST SUPPORT   |            | 5744-BR1 |        |            |             |             |             |    |                 | GC30-3022                   | OS/V5                   | 0 S S |
| 3661 FILE CREATION PROGRAM               |            | 5796-PF1 |        | 185        |             |             |             | 12 |                 | G320-5678                   | DOS/V51, V51, V52, VTAM | 1 I H |
| 3680 STORE SYSTEMS ADMINISTRATION        |            | 5735-D62 |        | 10         |             |             |             | 48 |                 | GH20-2461                   | DOS/VSE, DOS/V5, OS/V5  | 1 S A |
| 3680 STORE SYSTEMS SALES APPLICATION     |            | 5735-D61 |        | 5          |             |             |             | 48 |                 | GH20-2461                   | DOS/VSE, DOS/V5, OS/V5  | 1 S A |
| 3800 UNIVERSAL PRODUCT CODE PRINTING     | UPC        | 5798-CTA |        | 235        |             |             |             | 12 |                 | GB21-2219                   | OS/V5                   | 1 S H |
| >5260 POS DATA CONVERSION SYSTEM         |            | 5798-NYC |        | 86         |             |             |             | 12 |                 | GB30-1348                   | 5120 SYSTEM             | 1 S H |
| >5280 DISTRIBUTION ORDER ENTRY           |            | 5798-RDF |        | 35         |             |             |             | 06 |                 | GB30-1576                   | 5280 DATA SYSTEM        | 1 S H |

EDUCATION INDUSTRY APPLICATIONS GBOF-3302 DAPS 1482

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>I<br>S<br>P<br>L<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------------------|
| CAREER GUIDANCE SYSTEM: ADULTS / COLLEGE  | DISCOVER   | 5796-AYC    |        | 250        |             |             |             | 24 | G320-6176       | 5796-AYA                    | 1 S H                      |
| CAREER GUIDANCE SYSTEM: SECONDARY SCHOOL  | DISCOVER   | 5796-AYB    |        | 250        |             |             |             | 24 | G320-6176       | 5796-AYA                    | 1 S H                      |
| CRITERION REFERENCED TEST REPORTING       |            | 5796-AZZ    |        | 175        |             |             |             | 12 | G320-6419       | DOS/V5                      | 1 S H                      |
| DISCOVER: CAREER GUIDANCE SYSTEM - BASE   |            | 5796-AYA    |        | 750        |             |             |             | 24 | G320-6176       | DOS/VSE VS1                 | 1 S H                      |
| DORTMUND LIBRARY SYSTEM                   | DORIS      | 5787-DAA    |        | 925        |             |             |             | 24 | G320-6662       | OS/V5,CICS/V5,PL/I          | 1 S H                      |
| >DORTMUND LIBRARY SYSTEM                  | DOBIS      | 5787-DAB    |        | 715        |             |             |             | 24 | G320-6662       | DOS/VSE,CICS/V5,PL/I        | 1 S H                      |
| EDUCATION INFORMATION SYSTEM - DATA BASE  |            | 5796-BAZ    |        | 488        |             |             |             | 24 | G320-6424       | DOS/VSE DMS DL/I            | 1 S H                      |
| ELEMENTARY MATHEMATICS                    | MATH       | 5796-APC    |        | 260        |             |             |             | 24 | G320-5804       | IIS,IIPS (NOT IMS)          | 1 L H                      |
| EPIC BUDGET / FINANCE                     |            | 5735-E93    |        | 133        |             |             |             |    | GH20-1132       | DOS/OS                      | 1 I C                      |
| EPIC FAST                                 |            | 5735-E92    |        | 104        |             |             |             |    | GH20-1131       | DOS/OS                      | 1 I C                      |
| EPIC SOCRATES                             |            | 5735-E91    |        | 211        |             |             |             |    | GH20-1129       | DOS/OS                      | 1 I C                      |
| >EPIC: - BUDGET/FINANCE EDUCATION         |            | 5735-E93    |        | 152        |             |             |             |    | GH20-1132       | SYSTEM/3                    | 1 I B                      |
| >EPIC: - FAST EDUCATION TEST SCORING      |            | 5735-E92    |        | 104        |             |             |             |    | GH20-1131       | SYSTEM/3                    | 1 I C                      |
| >EPIC: - SOCRATES EDUCATION               |            | 5735-E91    |        | 242        |             |             |             |    | GH20-1129       | SYSTEM/3                    | 1 I B                      |
| >EPIC: - STUDENT EDUCATION                |            | 5735-E94    |        | 87         |             |             |             |    | GH20-1130       | SYSTEM/3                    | 1 I C                      |
| EPIC: SOCRATES ONLINE MAINT SYSTEM        |            | 5796-AQW    |        | 220        |             |             |             | 12 | G320-5814       | DOS/V5,CICS/V5              | 1 S H                      |
| IIS CICS/DOS/V5 FEATURE                   |            | 5748-XX6/02 |        |            |             |             |             |    | GH20-1895       | 6016-6017                   | 2 S B                      |
| IIS CMS FEATURE                           |            | 5748-XX6/05 |        |            |             |             |             |    | GH20-1895       | 6022-6023                   | 2 S B                      |
| LEUVEN LIBRARY SYSTEM BATCH               |            | 5787-FAH    |        | 575        |             |             |             | 24 | G320-6662       | 5787-DAA                    | 1 S H                      |
| >LEUVEN LIBRARY SYSTEM BATCH              |            | 5787-FAL    |        | 365        |             |             |             | 24 | G320-6662       | 5787-DAB                    | 1 S H                      |
| LEUVEN LIBRARY SYSTEM ONLINE              |            | 5787-FAJ    |        | 575        |             |             |             | 24 | G320-6662       | 5787-DAA -FAH               | 1 S H                      |
| >LEUVEN LIBRARY SYSTEM ONLINE             |            | 5787-FAK    |        | 405        |             |             |             | 24 | G320-6662       | 5787-DAB -FAL               | 1 S H                      |
| MCGILL U SYSTEM - INTERACTIVE COMPUTING   | MUSIC V    | 5796-PQA    |        | 545        |             |             |             |    | G320-6629       | VM/CMS                      | 1 S E                      |
| ONLINE BUDGET ACCOUNTING                  |            | 5796-ANC    |        | 325        |             |             |             | 12 | G320-5723       | DOS/V5                      | 1 I H                      |
| ONLINE LIBRARY CIRCULATION SYSTEM         |            | 5796-APA    |        | 200        |             |             |             | 24 | G320-5760       | DOS/V5,CICS/V5              | 1 S H                      |
| >ONLINE STUDENT REG. SYSTEM               |            | 5798-NWP    |        | 333        |             |             |             | 12 | GB30-1312       | SYSTEM/34                   | 1 S H                      |
| ONLINE STUDENT REGISTRATION SYSTEM        |            | 5796-ANW    |        | 450        |             |             |             | 24 | G320-5751       | DOS/V5, CICS/V5             | 1 I H                      |
| >OPTICAL MARK READER SUPPORT              |            | 5798-NRC    |        | 575        |             |             |             | 01 | GB30-1202       | 5120 SYSTEM                 | 1 S H                      |
| >PERSONAL TEACHING AID                    | PTA/34     | 5726-PTI    |        | 600        |             |             |             | 01 |                 | SYSTEM/34                   | 1 S H                      |
| >RAMS II STUDENT SERVICE SYSTEM           |            | 5796-BCR    | P      | 410        |             |             |             | 24 | G320-6661       | VSE,DL/I,5735-E91           | 1 S H                      |
| >S/34 INTERACTIVE STUDENT RECORDS         |            | 5798-NWF    |        | 172        |             |             |             | 12 | GB30-1300       | SYSTEM/34                   | 1 I H                      |
| >STUDENT ACCOUNTING SCHOOL ADMINISTRATION | SAS        | 5725-E32    |        | 119        |             |             |             |    | GH30-0307       | SYSTEM/32                   | 1 I C                      |
| >STUDENT ACCOUNTING SCHOOL ADMINISTRATION | SAS        | 5726-E32    |        | 136        |             |             |             |    | GH30-0414       | SYSTEM/34                   | 1 I D                      |
| >STUDENT RECORD SYSTEM                    |            | 5796-AEN    |        | 204        |             |             |             | 12 | G320-8078       | SYSTEM/3                    | 1 I H                      |
| >STUDENT RECORDS SCHOOL ADMINISTRATION    | SAS        | 5725-E31    |        | 107        |             |             |             |    | GH30-0304       | SYSTEM/32                   | 1 I C                      |
| >STUDENT RECORDS SCHOOL ADMINISTRATION    | SAS        | 5726-E31    |        | 123        |             |             |             |    | GH30-0410       | SYSTEM/34                   | 1 I D                      |
| >STUDENT SCHEDULING SCHOOL ADMINISTRATION | SAS        | 5725-E33    |        | 142        |             |             |             |    | GH30-0308       | SYSTEM/32                   | 1 I C                      |
| >STUDENT SCHEDULING SCHOOL ADMINISTRATION | SAS        | 5726-E33    |        | 163        |             |             |             |    | GH30-0415       | SYSTEM/34                   | 1 I D                      |

FINANCE INDUSTRY APPLICATIONS GBOF-3303 DAPS 1483

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L Y |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >APPL SUPP - CONSUMER TRANS FACIL        |            | 5798-NWE    |        | 575        |             |             |             | 12 | GB30-1295       | SYSTEM/3                    | 1 S H          |
| AUTOMATED BILL PAYMENT SYSTEM - HOST     |            | 5796-ANX    |        | 1425       |             |             |             | 12 | G320-5752       | DOS/VS, CICS/VS             | 1 S H          |
| >AUTOMATED TELLER HOST ENHANCEMENTS      | FAAT       | 5796-BBH    |        | 105        |             |             |             | 12 | G320-6428       | DOS/VS, CICS/VS             | 1 S H          |
| >AUTOMATED TELLER HOST SUPPORT           | FAAT       | 5796-BBJ    |        | 2235       |             |             |             | 12 | G320-6428       | CICS/DOS/VS                 | 1 S H          |
| >AUTOMATED TELLER SYSTEM 3600 4700       |            | 5798-DHK    | P      | 180        |             |             |             | 12 | GB21-2909       | 3600 4700                   | 1 S H          |
| BANK TELLER AP - COMMERCIAL EXTENSIONS   | BTAP-CE    | 5796-AZX    |        | 120        |             |             |             | 12 | G320-6396       |                             | 1 S H          |
| BANK TELLER 3600 APPLICATION PROGRAM     | BTAP       | 5796-ARD    |        | 100        |             |             |             | 12 | G320-5761       | 3600                        | 1 S H          |
| BOND QUOTE SYSTEM                        |            | 5796-AXY    |        | 185        |             |             |             | 12 | G320-6172       | MVS/TSO                     | 1 S H          |
| >CERTIFICATE OF DEPOSIT ACCTG            |            | 5798-AFR    |        | 220        |             |             |             | 12 | GB21-0381       | SYSTEM/3                    | 1 I H          |
| CHECK PROCESSING ARCHIVE / RETRIEVAL     |            | 5798-CNW    |        | 325        |             |             |             | 12 | GB21-2041       | OS/VS CICS/VS               | 1 S H          |
| CHECK PROCESSING ARCHIVE RETRIEVAL       | CPARS      | 5798-CHH    |        | 900        |             |             |             | 12 | GB21-1789       | OS/VS1, OS/VS2              | 1 I H          |
| CHECK PROCESSING CONTROL SYSTEM          | CPCS       | 5734-F11/01 |        | 1265       |             |             |             |    | GH20-1008       | OS/MFT/MVT/VS               | 2 I B          |
| >CHECK PROCESSING EXECUTIVE (CHX/3694)   |            | 5748-F53    |        | 45         |             |             |             |    | GH20-2444       | 36/4700                     | 1 S B          |
| CHECK PROCESSING EXECUTIVE / VS          | CPX/VS     | 5748-F54    |        | 276        |             |             |             |    | GH20-2444       | OS/VS, DOS/VSE VTAM         | 1 S B          |
| CHECK PROCESSING EXECUTIVE / 3694        | CPX/3694   | 5748-F53    |        | 52         |             |             |             |    | GH20-2444       | 5748-F54                    | 1 S B          |
| CHECK REPORTS                            | EPSS       | 5748-F13    |        | 402        |             |             |             |    | GH20-2136       | OS/VS, DOS/VS               | 1 I B          |
| >COMBINED DEPOSIT SYSTEM                 |            | 5796-AZY    | P      | 1660       |             |             |             | 24 | G320-6400       | DOS/VSE, DL/I               | 1 S H          |
| COMMERCIAL BANK DEMAND DEPOSIT ACCOUNTNG | CBAS DDA   | 5746-F61    |        | 365        |             |             |             |    | GH20-2497       | DOS/VSE AND CIF/VS          | 1 S B          |
| COMMERCIAL BANK GENERAL LEDGER ACCOUNTNG | CBAS GNL   | 5746-F64    |        | 235        |             |             |             |    | GH20-2497       | DOS/VSE AND CIF/VS          | 1 S B          |
| COMMERCIAL BANK SAVINGS ACCOUNTING       | CBAS SAV   | 5746-F62    |        | 330        |             |             |             |    | GH20-2497       | DOS/VSE AND CIF/VS          | 1 S B          |
| COMMERCIAL BANK SYSTEM BASE SUPPORT      | CBAS BASE  | 5746-F60    |        | 475        |             |             |             |    | GH20-2497       | DOS/VSE AND CIF/VS          | 1 S B          |
| COMMERCIAL BANK SYSTEM REVOLVING CREDIT  | CBAS RVC   | 5746-F65    |        | 185        |             |             |             |    | GH20-2497       | DOS/VSE AND CIF/VS          | 1 S B          |
| COMMERCIAL BANK TIME DEPOSIT CERTIFICATS | CBAS TCD   | 5746-F63    |        | 255        |             |             |             |    | GH20-2497       | DOS/VSE AND CIF/VS          | 1 S B          |
| COMMERCIAL BANK 3600 TELLER APPLICATION  |            | 5796-AXK    |        | 120        |             |             |             | 12 | G320-6161       | VS1                         | 1 S H          |
| COMPREHENSIVE THRIFT APPLICATION - HOST  |            | 5796-AXW    |        | 4165       |             |             |             | 24 | G320-6337       | DOS/VSE CICS DL/I           | 1 S H          |
| COMPREHENSIVE THRIFT APPLICATION - 3600  |            | 5796-AXX    |        | 40         |             |             |             | 24 | G320-6337       | 5796-AXW                    | 1 S H          |
| CONSUMER TERMINAL ACCESS METHOD - CTAM   | RPQ-PB3000 | 5799-AZN    |        | 290        |             |             |             |    | GH20-4576       | 3624 DEVICES                | 1 S C          |
| CPCS INSTALLED USER EDUCATIONAL GUIDE    |            | 5796-001    |        | 2700       |             |             |             | 01 | G320-5807       | DOCUMENTATION MATLS         | 0 S H          |
| CPCS 3890 FEATURE                        |            | 5734-F11/02 |        | 506        |             |             |             |    | GH20-1970       | 6080-6081, 6091             | 2 I B          |
| >CREDIT AUTHORIZATION                    |            | 5798-DEW    | P      | 2625       |             |             |             | 12 | GB21-2748       | OS/VS, CICS/VS              | 1 S H          |
| CREDIT CARD SYSTEM - AUTHORIZATIONS      |            | 5796-AQQ    |        | 850        |             |             |             | 12 | G320-6162       | CICS/VS DOS/VSE             | 1 S H          |
| >CREDIT UNION SYSTEM                     |            | 5798-NNY    |        | 460        |             |             |             | 24 | GB30-1083       | SYSTEM/34                   | 1 S H          |
| >CREDIT UNION SYSTEM - ATM               |            | 5796-BBY    | P      | 220        |             |             |             | 24 | G320-6666       | 5796-BBW                    | 1 S H          |
| >CREDIT UNION SYSTEM - HOST              |            | 5796-BBW    | P      | 2250       |             |             |             | 24 | G320-6666       | DOS/VS/VSE, CICS/VS         | 1 S H          |
| >CREDIT UNION SYSTEM - TELLER            |            | 5796-BBX    | P      | 100        |             |             |             | 12 | G320-6666       | 5796-BBW                    | 1 S H          |
| CUSTOMER INFORMATION FACILITY            | CIF/VS     | 5740-XYB    |        | 2150       |             |             |             |    | GH20-2018       | IMS/VS                      | 2 S B          |
| CUSTOMER INFORMATION FACILITY            | CIF/VS     | 5740-XYC    |        | 1910       |             |             |             |    | GH20-2018       | CICS/OS/VS                  | 2 S B          |
| CUSTOMER INFORMATION FACILITY            | CIF/VS     | 5746-XXS    |        | 974        |             |             |             |    | GH20-2018       | CICS/DOS/VS                 | 2 S B          |
| >CUSTOMER INFORMATION FILE BANKING       | CIF        | 5725-F11    |        | 101        |             |             |             |    | GH30-0358       | SYSTEM/32                   | 1 I C          |
| >CUSTOMER INFORMATION FILE BANKING       | CIF        | 5726-F11    |        | 167        |             |             |             |    | G360-0050       | SYSTEM/34                   | 1 I D          |



FINANCE INDUSTRY APPLICATIONS GBOF-3303 DAPS 1483 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| DATA ENTRY FOR VISA & MASTER-CHARGE      |            | 5798-CZN    |        | 600        |             |             |             | 12 | GB21-2472       | 8100/DPCX 3790              | 1      | S      | H      |
| DEMAND DEPOSIT / SAVINGS MEMO POST       |            | 5796-AZF    |        | 822        |             |             |             | 24 | G320-6350       | CICS/VS TO DL/I             | 1      | S      | H      |
| >DEMAND DEPOSIT ACCOUNTING BANKING       | DDA        | 5725-F12    |        | 94         |             |             |             |    | GH30-0359       | SYSTEM/32                   | 1      | I      | C      |
| >DEMAND DEPOSIT ACCOUNTING BANKING       | DDA        | 5726-F12    |        | 150        |             |             |             |    | G360-0050       | SYSTEM/34                   | 1      | I      | D      |
| >DES PIN GENERATION PROGRAM              |            | 5798-NNX    |        | 920        |             |             |             | 01 | GB30-1077       | SYSTEM/3                    | 0      | S      | H      |
| DIRECT SWIFT LINK                        | DSL        | 5740-F15    |        | 1525       |             |             |             |    | GH12-5050       | CICS/OS/VS                  | 1      | S      | B      |
| DIRECT SWIFT LINK                        | DSL        | 5740-F16    |        | 1805       |             |             |             |    | GH12-5050       | IMS/VS                      | 1      | S      | B      |
| DIRECT SWIFT LINK                        | DSL        | 5746-F14    |        | 1245       |             |             |             |    | GH12-5133       | CICS/DOS/VS,DOS/VSE         | 1      | S      | B      |
| DOSCHECK INSTALLED USER EDUCATION GUIDE  |            | 5796-002    |        | 1700       |             |             |             | 01 | G320-6086       | DOCUMENTATION MATLS         | 0      | S      | H      |
| >DPPX MORTGAGE BANKING SYSTEM            |            | 5798-DDN    |        | 515        |             |             |             | 12 | GB21-2691       | DPPX/BASE                   | 1      | S      | H      |
| ELECTRONIC PAYMENT SYSTEMS               | DOSCHECK   | 5746-F12    |        | 1110       |             |             |             |    | GH20-1939       | DOS/VS                      | 2      | I      | B      |
| FINANCIAL ANALYSIS AND CREDIT EVALUATION |            | 5796-AWY    |        | 450        |             |             |             | 12 | G320-6171       | MVS,TSO                     | 1      | S      | H      |
| FINANCIAL SERVICES TERMINAL SUPPORT FSTS | RFQ-P09004 | 5799-ARD    |        | 544        |             |             |             |    | GH20-4531       | DOS/VS CICS/VS              | 1      | I      | C      |
| FINANCIAL SERVICES TERMINAL SUPPORT FSTS | RFQ-P09005 | 5799-ARE    |        | 695        |             |             |             |    | GH20-4522       | CICS/OS/VS                  | 1      | I      | C      |
| >FOX REAL ESTATE MANAGEMENT              |            | 5793-AAA    |        | 5520       |             |             |             | 01 | GB30-1415       | 5120 SYSTEM                 | 1      | S      | H      |
| FULL FUNCTION TELLER SYSTEM              | PC/3600    | 5796-AZL    |        | 420        |             |             |             | 12 | G320-6391       | OS/VS,DOS/VSE               | 1      | S      | H      |
| FUNDAMENTALS OF BANKING COURSE           | FB001      | 5798-DDH    |        | 125        |             |             |             | 12 | GB21-2652       | IIS,IIPS                    | 1      | L      | H      |
| HIERARCHICAL MONITOR SYSTEM / 3600       | HMS3600    | 5798-CLT    |        | 190        |             |             |             | 24 | GB21-1984       | DOS/VS,OS/VS                | 1      | S      | H      |
| HOST CONTROL FOR REMOTE 3600 & 4700      |            | 5796-AWG    |        | 215        |             |             |             | 12 | G320-6091       | DOS/VS,PC/3600              | 1      | S      | H      |
| HOST SUPPORT 3600 FINANCE COMMUNICATION  |            | 5744-CA3    |        |            |             |             |             |    | GC27-0006       | OS/VS                       | 0      | S      | N      |
| >INSTALLMENT LOAN ACCOUNTING BANKING     | FINANCE    | 5725-F14    |        | 104        |             |             |             |    | GH30-0362       | SYSTEM/32                   | 1      | I      | C      |
| >INSTALLMENT LOAN ACCOUNTING BANKING     | FINANCE    | 5726-F14    |        | 170        |             |             |             |    | G360-0050       | SYSTEM/34                   | 1      | I      | D      |
| INSTALLMENT LOAN CALCULATOR              |            | 5796-AGQ    |        | 265        |             |             |             | 12 | G320-8121       | DOS/VS                      | 1      | S      | H      |
| INSTALLMENT LOAN CALCULATOR              |            | 5796-AGR    |        | 265        |             |             |             | 12 | G320-8121       | OS/VS                       | 1      | S      | H      |
| >INTEGR CUST ACCT & PROF FOR FIN         |            | 5798-NED    |        | 373        |             |             |             | 12 | GB30-0763       | SYSTEM/3                    | 1      | I      | H      |
| >INTEGR CUST ACCT & PROF FOR FIN         |            | 5798-NEF    |        | 339        |             |             |             | 12 | GB30-0763       | SYSTEM/3                    | 1      | I      | H      |
| >INTEGR CUST ACCT & PROF FOR FIN         |            | 5798-NEJ    |        | 264        |             |             |             | 12 | GB30-0763       | SYSTEM/3                    | 1      | I      | H      |
| >INTEGR CUST ACCT & PROF FOR FIN         |            | 5798-NEN    |        | 276        |             |             |             | 12 | GB30-0763       | SYSTEM/3                    | 1      | I      | H      |
| >INVESTMENT ADVISORY                     |            | 5798-BBW    |        | 362        |             |             |             | 12 | GB21-1234       | SYSTEM/3                    | 1      | I      | H      |
| INVESTMENT PORTFOLIO MANAGEMENT SYSTEM   |            | 5796-AHM    |        | 2830       |             |             |             | 12 | G320-8144       | OS/VS2, IMS/VS              | 1      | S      | H      |
| LONG TERM DEBT MANAGEMENT SYSTEM         |            | 5796-AXZ    |        | 285        |             |             |             | 12 | G320-6330       | VSAPL                       | 1      | S      | H      |
| MICR DOCUMENT FINE SORT                  |            | 5798-BCN    |        | 183        |             |             |             | 12 | GB21-1327       | DOS/VS                      | 1      | I      | H      |
| >MORTGAGE LOAN ACCTG SYSTEM              |            | 5796-NNH    |        | 276        |             |             |             | 12 | GB30-1063       | SYSTEM/3                    | 1      | S      | H      |
| >NAVY YARD CREDIT UNION--ONLINE          |            | 5796-NCH    |        | 339        |             |             |             | 24 | GB30-0642       | SYSTEM/3                    | 1      | I      | H      |
| ONLINE ADJUSTMENTS - II                  |            | 5798-CLD/01 |        | 765        |             |             |             | 12 | GB21-1948       | OS/VS CPCS                  | 1      | S      | H      |
| ONLINE ADJUSTMENTS - II ENHANCEMENTS     |            | 5798-CLD/02 |        | 195        |             |             |             |    | GB21-1948       | 9562-9563                   | 1      | S      | E      |
| ONLINE DEMAND DEPOSIT ACCOUNTING SYSTEM  |            | 5796-AFN    |        | 5250       |             |             |             | 12 | G320-8119       | OS/VS2,IMS                  | 1      | S      | H      |
| ONLINE REJECT / REENTRY TESTING AID      |            | 5798-CWE    |        | 112        |             |             |             | 12 | GB21-2264       | OS/VS                       | 1      | S      | H      |
| ONLINE TELLER ASSIST SYSTEM              | PC/3600    | 5796-AZN    |        | 260        |             |             |             | 12 | G320-6392       | OS/VS,DOS/VSE               | 1      | S      | H      |
| >ONLINE TERMINAL SUPPORT II              |            | 5798-NYZ    |        | 345        |             |             |             | 12 | GB30-1409       | SYSTEM/3                    | 1      | S      | H      |

FINANCE INDUSTRY APPLICATIONS GBOF-3303 DAPS 1483 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MD | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| PERSONAL TRUST SYSTEM                    |            | 5796-AHH    |        | 1000       |             |             |             | 24 | G320-8139       | DOS,CICS                    | 1      | S      | H      |
| PROGRAM CUSTOMIZER / 3600 4700           | PC/3600    | 5740-F11    |        | 1740       |             |             |             |    | GH20-1587       | OS/V5                       | 1      | I      | B      |
| PROGRAM CUSTOMIZER / 3600 4700           | PC/3600    | 5746-F11    |        | 966        |             |             |             |    | GH20-1587       | DOS/V5E                     | 1      | I      | B      |
| PROGRAM VALIDATION SERVICES WITH CICS/V5 | PVS        | 5798-CNG    |        | 90         |             |             |             | 12 | GB21-2017       | DOS/V5S                     | 1      | S      | H      |
| PROOF OF DEPOSIT & TRANSIT ENHANCEMENTS  |            | 5796-AKT    |        | 300        |             |             |             | 12 | G320-5687       | DOS/V5,CICS/V5              | 1      | S      | H      |
| PROOF OF DEPOSIT & TRANSIT 3890 FEATURE  |            | 5796-AKW    |        | 1720       |             |             |             | 12 | G320-5687       | DOS/V5,CICS/V5              | 1      | S      | H      |
| PROOF OF DEPOSIT / TRANSIT               |            | 5796-AGA    |        | 1170       |             |             |             | 12 | G320-8118       | CICS,DOS/V5                 | 1      | S      | H      |
| >PROOF OF DEPOSIT TRANSIT                |            | 5798-AFD    |        | 164        |             |             |             | 12 | GB21-0286       | SYSTEM/3                    | 1      | I      | H      |
| >PROOF OF DEPOSIT TRANSIT SYS            |            | 5798-NKQ    |        | 138        |             |             |             | 12 | GB30-0986       | SYSTEM/32                   | 1      | S      | H      |
| >PROOF OF DEPOSIT TRANSIT SYSTEM         |            | 5798-NWM    |        | 172        |             |             |             | 12 | GB30-1141       | SYSTEM/34                   | 1      | S      | H      |
| >PROOF OF DEPOSIT TRANSIT W/SUBRB        |            | 5798-NKC    |        | 138        |             |             |             | 12 | GB30-0949       | SYSTEM/3                    | 1      | S      | H      |
| >REAL ESTATE ACCTG/MKTG SYSTEM           |            | 5796-NTT    |        | 373        |             |             |             | 12 | GB30-1260       | SYSTEM/32                   | 1      | S      | H      |
| ROUTING - TRANSIT CHECK DIGIT            |            | 5798-CXD    |        | 300        |             |             |             | 01 | GB21-2317       | DOS/V5 OS/V5                | 0      | S      | H      |
| >S/34 APPLIC SUPPORT FOR 3624 CTF        |            | 5798-RDP    |        | 800        |             |             |             | 12 | GB30-1626       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 MICR PROGRAM GENERATOR             |            | 5798-RBE    |        | 63         |             |             |             | 12 | GB30-1476       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 NEGOTIABLE ORDER OF WITHDRA        |            | 5798-RDE    |        | 65         |             |             |             | 12 | GB30-1583       | SYSTEM/34                   | 1      | S      | H      |
| >S/34 ONLINE REJECT RE-ENTRY             |            | 5798-NZY    |        | 46         |             |             |             | 12 | GB30-1445       | SYSTEM/34                   | 1      | S      | H      |
| >SAVINGS ACCOUNTING BANKING              | FINANCE    | 5725-F13    |        | 90         |             |             |             |    | GH30-0360       | SYSTEM/32                   | 1      | I      | C      |
| >SAVINGS ACCOUNTING BANKING              | FINANCE    | 5726-F13    |        | 147        |             |             |             |    | G360-0050       | SYSTEM/34                   | 1      | I      | D      |
| SAVINGS SYSTEM - BATCH                   |            | 5796-AZJ    |        | 1165       |             |             |             | 12 | G320-6386       | DL/T,DOS/V5                 | 1      | S      | H      |
| SORT PATTERN GENERATOR                   |            | 5798-CAH    |        | 216        |             |             |             | 12 | GB21-1410       | OS/V51                      | 1      | S      | H      |
| SWIFT BSC EP SUPPORT                     | RPQ-Y96612 | 5799-AQT    |        | 86         |             |             |             |    | SC19-5017       | TCAM                        | 1      | S      | A      |
| SWIFT FOR ACF/NCP/V5 REL 2               | RPQ-Y96614 | 5799-WRF    |        |            |             |             |             |    | SC19-5016       | 3704/3705                   | 0      | S      | S      |
| >TELLER CONTROL PROG ENHANCEMENTS        |            | 5798-NXL    |        | 155        |             |             |             | 12 | GB30-1331       | SYSTEM/3                    | 1      | S      | H      |
| >TELLER CONTROL PROGRAM                  |            | 5798-NKZ    |        | 287        |             |             |             | 12 | GB30-0992       | SYSTEM/3                    | 1      | S      | H      |
| TRANSACTION CROSS REFERENCE 3600 4700    |            | 5796-ATR    |        | 150        |             |             |             | 12 | G320-6077       | DOS/V5,OS/V5,CICS/V5        | 1      | S      | H      |
| TREND ANALYSIS                           |            | 5740-F12    |        | 838        |             |             |             |    | GH20-1861       | IMS/V5,OS/V5                | 1      | S      | B      |
| TREND ANALYSIS - GRAPHICS & DATA BASE    |            | 5740-XYT    |        | 431        |             |             |             |    | GH20-2445       | CICS/OS/V5,3279             | 2      | S      | B      |
| >TRUST DEPT ACCOUNTING SYSTEM            |            | 5796-NRY    |        | 575        |             |             |             | 12 | GB30-0559       | SYSTEM/32                   | 1      | S      | H      |
| >TRUST DEPT ACCOUNTING SYSTEM            |            | 5796-NDC    |        | 575        |             |             |             | 12 | GB30-0559       | SYSTEM/34                   | 1      | S      | H      |
| 1419 PROOF OF DEPOSIT MICR CAPTURE       |            | 5798-DDC    |        | 300        |             |             |             | 12 | GB21-2668       | DOS/V5E                     | 1      | S      | H      |
| 3600 DATA ENTRY                          |            | 5798-CLA    |        | 40         |             |             |             | 12 | GB21-1939       | DOS/V5,OS/V5                | 1      | S      | H      |
| >3600 FINANCE SUBSYSTEM FEATURE          | FSF        | 5726-SS1/03 |        | 180        | 155         |             |             |    | SYS/34,6010/11  |                             | 1      | S      | A      |
| 3600 HOST SUPPORT                        |            | 5747-BR1/01 |        |            |             |             |             |    | DOS/V5E         |                             | 0      | S      | N      |
| >3600 O/L TERMINAL SUPPORT - S/34        |            | 5798-RAA    |        | 253        |             |             |             | 12 | GB30-1454       | SYSTEM/34                   | 1      | S      | H      |
| >3600 THRESHOLD ANALYSIS / REMOTE ACCESS | 6008       | 5668-983/02 |        | 138        | 103         | 15          | 24          |    | GC34-2061       |                             | 2      | S      | K      |
| 3600 THRESHOLD ANALYSIS / REMOTE ACCESS  | NPDA       | 5735-XX8/02 |        | 138        | 103         | 15          | 24          |    | GC34-2055       | 6030-6031                   | 2      | S      | K      |
| 3600 4700 ADMINISTRATIVE APPLICATIONS    |            | 5748-F55    |        | 32         |             |             |             |    | GH20-2414       | IMS/V5 CICS/V5              | 1      | S      | B      |
| 3614 USAGE REPORTING SYSTEM              |            | 5798-CQK    |        | 200        |             |             |             | 24 | GB21-2132       | DOS/V5,DOS/V5E,OS/V5        | 1      | I      | H      |
| 3614 3624 CONSUMER ONLINE TRANSACTIONS   | COLTS      | 5740-F51    |        | 695        |             |             |             |    | GH20-2019       | OS/V5                       | 1      | I      | B      |

FINANCE INDUSTRY APPLICATIONS GBOF-3303 DAPS 1483 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| 3614 3624 CONSUMER ONLINE TRANSACTIONS   | COLTS      | 5746-F57    |        | 589        |             |             |             |    | GH20-2019       | DOS/V5                      | 1      | I      | B      |
| 3624 TELLER MACHINE IMS/V5 HOST SUPPORT  |            | 5796-BBG    |        | 1725       |             |             |             | 12 | G320-6427       | MVS,ACF/VTAM                | 1      | S      | H      |
| 3630 / 3600 DATA TRANSFER - CONTROLLER   |            | 5798-CYK    |        | 120        |             |             |             | 12 | GB21-2385       | 5798-CYL                    | 1      | S      | H      |
| 3630 / 3600 DATA TRANSFER - HOST         |            | 5798-CYL    |        | 85         |             |             |             | 12 | GB21-2389       | 5798-CYK OS/V5              | 1      | S      | H      |
| >3694 ALLTIMES FILE TRANS FACIL          |            | 5798-RFJ    |        | 100        |             |             |             | 12 | GB30-1645       | SYSTEM/34                   | 1      | S      | H      |
| 3694 APPLICATION MACRO EXPANSIONS        |            | 5748-F56    |        | 75         | 56          | 16          | 26          |    | GC31-0012       | OS/V5,DOS/VSE               | 1      | S      | K      |
| >3694 DOCUMENT CTL SECTION EDIT          |            | 5798-RFL    |        | 100        |             |             |             | 12 | GB30-1645       | SYSTEM/34                   | 1      | S      | H      |
| 3694 INDEPENDENT RELEASE                 |            | 5658-001    |        |            |             |             |             |    | GC31-0013       | OS/V5,DOS/VSE               | 0      | S      | S      |
| >3694 TABLE PREP FACILITY                |            | 5798-RFK    |        | 100        |             |             |             | 12 | GB30-1645       | SYSTEM/34                   | 1      | S      | H      |
| 3790 DATA ENTRY FOR MERCHANT SALES DRAFT |            | 5798-CZL    |        | 625        |             |             |             | 12 | GB21-2453       | DOS/V5,OS/V5                | 1      | S      | H      |
| 3890 APPLICATION & INSTALLATION SUPPORT  |            | 5798-BDC    |        | 284        |             |             |             | 12 | GB21-1342       | DOS/V5                      | 1      | I      | H      |
| 3890 CYCLE SORT                          |            | 5798-CHD    |        | 549        |             |             |             | 12 | GB21-1781       | DOS/V5                      | 1      | I      | H      |
| 3890 DOCUMENT PROCESSOR SUPPORT          |            | 5746-DC1    |        | 90         |             |             |             |    | GC31-0001       | DOS/VSE                     | 1      | S      | B      |
| 3890 DOS/V5 CYCLE SORT                   |            | 5798-CQX    |        | 408        |             |             |             | 12 | GB21-2165       | DOS/V5, 5798-BDC            | 1      | S      | H      |
| 3890 DOS/V5 OFFLINE SORT                 |            | 5798-CFD/01 |        | 124        |             |             |             | 12 | GB21-1662       | DOS/V5 5798-BDC             | 1      | S      | H      |
| 3890 DOS/VSE OFFLINE FINE SORT II        |            | 5798-CFD/02 |        | 88         |             |             |             | 12 | GB21-1662       | 9560-9561                   | 1      | S      | H      |
| 3890 ON-US EDITING                       |            | 5798-CLJ    |        | 204        |             |             |             | 12 | GB21-1966       | OS/V5                       | 1      | S      | H      |
| 3890 ON-US EDITING                       |            | 5798-DBL    |        | 210        |             |             |             | 12 | GB21-2559       | DOS/VSE                     | 1      | S      | H      |
| 3890 ONLINE FINE SORT - DOS/V5           |            | 5798-CWR    |        | 845        |             |             |             | 12 | GB21-2276       | DOS/V5 DOS/VSE REL          | 1      | S      | H      |
| 3890 ONLINE FINE SORT - OS/V5/CPCS       |            | 5798-CRC    |        | 900        |             |             |             | 12 | GB21-2170       | OS/V5                       | 1      | S      | H      |
| 3890 ONLINE FINE-SORT ENHANCEMENTS       |            | 5796-AYF    |        | 185        |             |             |             | 12 | G320-6329       | 5798-CRC AND CPCS           | 1      | S      | H      |
| 3890 OS/V5 OFFLINE FINE SORT             |            | 5798-BDY/01 |        | 144        |             |             |             | 12 | GB21-1383       | OS/V5                       | 1      | S      | H      |
| 3890 OS/V5 OFFLINE SORT ENHANCEMENTS     |            | 5798-BDY/02 |        | 94         |             |             |             | 12 | GB21-1383       | 9526-9527                   | 1      | S      | H      |
| 3890 OS/V5 PROGRAMMING TESTING AID       |            | 5798-CBG/01 |        | 264        |             |             |             | 12 | GB21-1444       | DOS/V5 OS/V5 DOS/VSE        | 1      | S      | H      |
| 3890 PROGRAMMING TEST AID ENHANCEMENT    |            | 5798-CBG/02 |        | 40         |             |             |             | 12 | GB21-1444       | 9516-9517                   | 1      | S      | H      |
| 3890 STATEMENT PREPARATION SORT          |            | 5796-ALP    |        | 300        |             |             |             | 12 | G320-5715       | OS/V51                      | 1      | S      | H      |
| >4700 FIN SYS COM ONLINE TER SUP COLTS   | RPQ-P90002 | 5799-BGB    |        | 50         |             |             |             |    |                 | 36/4700                     | 1      | S      | B      |
| >4700 FINANCE SYSTEM - COBOL             |            | 5668-987    |        | 450        | 337         | 69          | 110         |    | GL23-0078       | OS/V5                       | 1      | S      | K      |
| >4700 FINANCE SYSTEM - HOST              |            | 5668-989    |        | 550        | 412         | 153         | 245         |    | GC31-2016       | OS/V5,DOS/VSE               | 1      | S      | K      |
| >4700 FINANCE SYSTEM COBOL               |            | 5666-266    |        | 325        | 243         | 56          | 90          |    | GL23-0078       | DOS/VSE                     | 1      | S      | K      |

HEALTH INDUSTRY APPLICATIONS GBOF-3308 DAPS 1484

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| ACCOUNTING APPLICATION PROGRAM FEATURE    | HCS        | 5746-H14/02 |        | 231        |             |             |             |    | GH20-1179       | 6001-6003                   | 2      | I      | C      |
| >ACCOUNTS RECEIVABLE HOSPITAL             | HFMS       | 5725-H12    |        | 31         |             |             |             |    | GH30-0450       | SYSTEM/32                   | 1      | I      | C      |
| >ACCOUNTS RECEIVABLE HOSPITAL             | HFMS       | 5726-H12    |        | 51         |             |             |             |    | GH30-0405       | SYSTEM/34                   | 1      | I      | D      |
| >DAKOTA HOSPITAL FINANCIAL SYS            |            | 5796-AAJ    |        | 189        |             |             |             | 12 | G320-1402       | SYSTEM/3                    | 1      | I      | H      |
| >DEACONESS HOSP--ONLINE ADMISSION         |            | 5796-HJB    |        | 322        |             |             |             | 12 | GB30-0889       | SYSTEM/3                    | 1      | I      | H      |
| DPXC OUTPATIENT BILLING SYSTEM            |            | 5798-DCP    |        | 265        |             |             |             | 12 | GB21-2626       | 8100/DPXC                   | 1      | S      | H      |
| >DRUID CITY--PSRO HOSP UTILIZATN          |            | 5796-NBE    |        | 172        |             |             |             | 12 | GB30-0592       | SYSTEM/3                    | 1      | I      | H      |
| >GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | HFMS       | 5725-H14    |        | 48         |             |             |             |    | GH30-0451       | SYSTEM/32                   | 1      | I      | C      |
| >GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | HFMS       | 5726-H14    |        | 79         |             |             |             |    | GH30-0407       | SYSTEM/34                   | 1      | I      | D      |
| HEALTH CARE SUPPORT ACCOUNTING SYSTEM     | HCS        | 5746-H14/01 |        | 109        |             |             |             |    | GH20-1179       | DOS/V5                      | 2      | I      | C      |
| HEALTH CARE: ADMISSIONS SYSTEM            | HCS        | 5798-ASZ    |        | 225        |             |             |             | 12 | GB21-0935       | DOS CICS                    | 1      | I      | H      |
| HEALTH CARE: DL/I ADMISSIONS SYSTEM       | HCS        | 5798-CGF    |        | 315        |             |             |             | 12 | GB21-1732       | OS/V5                       | 1      | I      | H      |
| HEALTH CARE: DL/I PATIENT APPOINTMENTS    | HCS        | 5798-CCA    |        | 830        |             |             |             | 12 | GB21-1468       | DOS/V5 DL/I CICS/V5         | 1      | I      | H      |
| HEALTH CARE: DL/I PATIENT CARE            | HCS        | 5796-ATZ    |        | 2900       |             |             |             | 24 | G320-5756       | DOS/V5                      | 2      | S      | H      |
| HEALTH CARE: DL/I PATIENT REGISTRATION    | HCS        | 5798-CGE    |        | 315        |             |             |             | 12 | GB21-1729       | OS/V5                       | 1      | I      | H      |
| HEALTH CARE: PATIENT CARE SYSTEM DL/I     | HCS        | 5796-ANY    |        | 2900       |             |             |             | 24 | G320-5756       | CICS/OS/V5,IMS/V5           | 2      | S      | H      |
| HEALTH CARE: PATIENT DATA EDITING         | HCS        | 5796-AYR    |        | 210        |             |             |             | 12 | G320-6344       | DOS/V5,OS/V5                | 1      | S      | H      |
| HEALTH CARE: PATIENT DATA MANAGER         | HCS        | 5796-AYQ    |        | 225        |             |             |             | 12 | G320-6343       | DOS/V5,OS/V5                | 1      | S      | H      |
| HEALTH CARE: REVENUE MANAGEMENT SYSTEM    | HCS        | 5798-BDG    |        | 212        |             |             |             | 12 | GB21-1345       | DOS/V5                      | 1      | I      | H      |
| HEALTH CARE: UTILIZATION REVIEW SYSTEM    | HCS        | 5796-AWN    |        | 700        |             |             |             | 24 | G320-6157       | DOS/V5, DL/I                | 1      | S      | H      |
| >HOSP. PAYROLL/PERSONNEL - GWINNE         |            | 5796-AEH    |        | 117        |             |             |             | 12 | G320-8080       | SYSTEM/3                    | 1      | I      | H      |
| HOSPITAL CARE: ADMISSION SYSTEM           | HCS        | 5798-CCC    |        | 469        |             |             |             | 12 | GB21-1474       | DOS/V5 DL/I CICS/V5         | 1      | I      | H      |
| HOSPITAL CARE: PATIENT REGISTRATION       | HCS        | 5798-CCB    |        | 364        |             |             |             | 12 | GB21-1471       | DOS/V5 DL/I CICS/V5         | 1      | I      | H      |
| >HOSPITAL DATA INPUT SYSTEM               |            | 5798-NPB    |        | 81         |             |             |             | 12 | GB30-1089       | SYSTEM/32                   | 1      | S      | H      |
| >HOSPITAL DATA INPUT SYSTEM               |            | 5798-NTJ    |        | 81         |             |             |             | 12 | GB30-1089       | SYSTEM/34                   | 1      | S      | H      |
| >HOSPITAL INVENTORY-ARNOT-OGDEN           |            | 5796-AEL    |        | 93         |             |             |             | 12 | G320-8091       | SYSTEM/3                    | 1      | I      | H      |
| HOSPITAL PAYROLL MANAGEMENT SYS           |            | 5796-AJQ    |        | 385        |             |             |             | 12 | G320-5651       | DOS/V5                      | 1      | I      | H      |
| >HOSPITAL REVENUE MGMT - PHIL. GR         |            | 5796-AEA    |        | 155        |             |             |             | 12 | G320-8079       | SYSTEM/3                    | 1      | I      | H      |
| LABORATORY DATA ACQUISITION SYSTEM        |            | 5796-AWH    |        | 925        |             |             |             | 24 | G320-6095       | DOS/V5E                     | 1      | S      | H      |
| LABORATORY DATA MANAGEMENT ENHANCED       | LDMS       | 5796-APB    |        | 1200       |             |             |             | 12 | G320-8134       |                             | 1      | S      | H      |
| LABORATORY DATA MANAGEMENT SYSTEM II      | LDMS II    | 5796-AWC    |        | 1450       |             |             |             | 24 | G320-6080       | DOS/V5                      | 1      | S      | H      |
| LDMS II - NORMAL VALUE / DELTA CHECKING   | LDMS II    | 5798-DCH    |        | 390        |             |             |             | 12 | GB21-2602       | 5796-APB OR -AWC            | 1      | S      | H      |
| >MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | MGMS       | 5725-H15    |        | 163        |             |             |             |    | GH30-0310       | SYSTEM/32                   | 1      | I      | C      |
| >MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | MGMS       | 5726-H15    |        | 163        |             |             |             |    | GH30-0228       | SYSTEM/34                   | 1      | I      | C      |
| >MEDICAL GROUP MGMT SYSTEM II CLINICS     | MGMS       | 5726-H16    |        | 260        | 195         |             |             |    | GH30-0228       | SYSTEM/34                   | 1      | I      | D      |
| MEDICAL RECORD ABSTRACT SYSTEM            |            | 5796-AYL    |        | 747        |             |             |             | 24 | G320-6341       | DOS/V5E                     | 1      | S      | H      |
| >MEMBERSHIP AND MAILING LIST SYSTEM       | ASSOC.     | 5726-K11    |        | 123        |             |             |             |    | GH30-0454       | SYSTEM/34                   | 1      | I      | C      |
| NURSE SCHEDULING SYSTEM                   |            | 5796-ANA    |        | 550        |             |             |             | 12 | G320-5721       | DOS/V5,CICS/V5              | 1      | S      | H      |
| >NURSING HOME PHARMACY SYSTEM             |            | 5798-NRL    |        | 138        |             |             |             | 12 | GB30-1224       | SYSTEM/32                   | 1      | S      | H      |
| >Q/L HOSP DATA ENTRY/INQUIRY              |            | 5798-NRM    |        | 195        |             |             |             | 12 | GB30-1214       | SYSTEM/34                   | 1      | S      | H      |

HEALTH INDUSTRY APPLICATIONS GBOF--3308 DAPS 1484 (CONT.)

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >O/L MED RECORDS SYS - 12/15/15D         |            | 5796-NRB |        | 288        |             |             |             |    | 12              | GB30-1198                   |        | 1      | S H    |
| >PATIENT BILLING HOSPITAL                | HFMS       | 5725-H11 |        | 37         |             |             |             |    |                 | GH30-0449                   |        | 1      | I C    |
| >PATIENT BILLING HOSPITAL                | HFMS       | 5726-H11 |        | 60         |             |             |             |    |                 | GH30-0404                   |        | 1      | I D    |
| >PATIENT CARE SYSTEM - RADIOLOGY         | PCS        | 5796-AWJ |        | 460        |             |             |             |    | 12              | G320-6092                   |        | 1      | S H    |
| >PATIENT CARE: APPLICATION EXECUTION     | PCS        | 5796-BCE |        | 500        |             |             |             |    |                 | G320-6651                   |        | 1      | S E    |
| >PATIENT CARE: APPLICATION PREPARATION   | PCS        | 5796-BCF |        | 425        |             |             |             |    |                 | G320-6651                   |        | 1      | S E    |
| >PATIENT CARE: INFECTION DATA MANAGEMENT | PCS        | 5796-BCC |        | 540        |             |             |             |    | 12              | G320-6627                   |        | 1      | S H    |
| >PATIENT ORDER MGMT/COMM SYS             |            | 5796-NRA |        | 805        |             |             |             |    | 12              | GB30-1165                   |        | 1      | S H    |
| >PAYROLL HOSPITAL                        | HFMS       | 5725-H13 |        | 87         |             |             |             |    |                 | GH30-0008                   |        | 1      | I C    |
| >PAYROLL HOSPITAL                        | HFMS       | 5726-H13 |        | 100        |             |             |             |    |                 | GH30-0406                   |        | 1      | I D    |
| >S/1 X-RAY SEARCH/MATCH                  |            | 5798-RCG |        | 460        |             |             |             |    | 12              | GB30-1381                   |        | 1      | S H    |
| >S/23 PHYSICIAN MEDICAL SYS              |            | 5796-ZAW |        | 6500       |             |             |             |    | 01              | GB30-1752                   |        | 1      | I H    |
| >S/34 HOSP PATIENT MGMT SYSTEM           |            | 5798-RBP |        | 600        |             |             |             |    | 24              | GB30-1634                   |        | 1      | S H    |
| >S/34 O/L HOSP FILE MAINT SYSTEM         |            | 5798-RBX |        | 120        |             |             |             |    | 06              | GB30-1514                   |        | 1      | S H    |
| >S/34 ONLINE APPOINTMENT SYSTEM          |            | 5796-NZP |        | 258        |             |             |             |    | 12              | GB30-1440                   |        | 1      | S H    |

INSURANCE INDUSTRY APPLICATIONS GBOF-3305 DAPS 1485

| <u>PROGRAM INFORMATION</u>                    | <u>SHORT NAME</u> | <u>ORDER #</u>  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO  | ENVIRONMENT<br>OR FEATURE # | T<br>P   | I<br>L   | S<br>V   |
|---|-------------------|-----------------|--------|------------|-------------|-------------|-------------|----|------------------|-----------------------------|----------|----------|----------|
| ALPHA SEARCH INQUIRY - IMS INTERFACE          | ASIS              | 5798-AWB        |        | 670        |             |             |             | 12 | GB21-0987        | OS                          | 1        | I        | H        |
| ALPHA SEARCH INQUIRY SYS ONLINE UPDATE        | ASIS              | 5798-CFJ        |        | 400        |             |             |             | 12 | GB21-1677        | CICS/DOS/OS/V5,CMS          | 1        | S        | H        |
| ALPHA SEARCH INQUIRY SYSTEM                   | ASIS              | 5736-N14        |        | 231        |             |             |             |    | GH20-1188        | CICS/OS/DOS/V5,CMS          | 1        | S        | C        |
| COMPUTER GENERATED CORRESPONDENCE             |                   | 5796-AER        |        | 585        |             |             |             | 12 | G320-8094        | DOS/V5,OS/V5,CICS           | 1        | I        | H        |
| <u>CONSOLIDATED FUNCTIONS ORDINARY VERS 2</u> | <u>CFO II</u>     | <u>5736-N13</u> |        | <u>380</u> |             |             |             |    | <u>GH20-5000</u> | <u>OS/DOS</u>               | <u>1</u> | <u>I</u> | <u>C</u> |
| >GROUP LIFE MANAGEMENT SYSTEM                 |                   | 5796-PQF        | P      | 655        |             |             |             | 24 | G320-6648        | VH.DOS/VSE                  | 1        | S        | H        |
| >INDEPENDENT AGENTS/BROKERS ACCTG             |                   | 5796-NRJ        |        | 333        |             |             |             | 24 | GB30-1209        | SYSTEM/32                   | 1        | S        | H        |
| INVESTMENT PORTFOLIO MANAGEMENT SYSTEM        |                   | 5796-AHW        |        | 2830       |             |             |             | 12 | G320-8144        | OS/V52, IMS/V5              | 1        | S        | H        |
| LIFE INQUIRY / DATA ENTRY                     | LI/DE             | 5746-N11        |        | 924        |             |             |             |    | GH20-1499        | CICS/DOS/OS/V5/IMS          | 1        | I        | C        |
| >S/I CLIENT/PROSPECT FILE INSUR               |                   | 5798-RGE        |        | 1100       |             |             |             | 01 | GB30-1745        | SERIES/1                    | 1        | S        | H        |
| STATUTORY GAAP VALUATION SYS                  |                   | 5796-AJR        |        | 1040       |             |             |             | 12 | G320-5663        | DOS/V5                      | 1        | I        | H        |

MANUFACTURING INDUSTRY APPLICATIONS GBOF-3306 DAPS 1486

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MD | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L Y |
|---|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| ACCOUNTING INFORMATION MODULE             | CADAM (R)  | 5796-ATH | R      | 59         | 33          |             |             |    | G320-6063       | OS/VS,VM/CMS                | 1 S E          |
| >ACCOUNTS PAYABLE DISTR MFG MAPICS        | DFAS II    | 5726-M43 |        | 70         | 53          |             |             |    | 6H30-0221       | SYSTEM/34                   | 1 I D          |
| >ACCOUNTS PAYABLE DISTRIBUTORS            | DFAS       | 5725-D62 |        | 49         |             |             |             |    | 6H30-0315       | SYSTEM/32                   | 1 I C          |
| >ACCOUNTS PAYABLE MANUFACTURING           | MAPICS     | 5714-M43 |        | 61         | 46          |             |             |    | 6H30-0710       | SYSTEM/38                   | 1 I D          |
| >ACCOUNTS PAYABLE MFG                     | MMAS       | 5725-M33 |        | 49         |             |             |             |    | 6H30-0036       | SYSTEM/32                   | 1 I C          |
| >ACCOUNTS PAYABLE MFG                     | MMAS       | 5726-M33 |        | 49         |             |             |             |    | 6H30-0220       | SYSTEM/34                   | 1 I C          |
| >ACCOUNTS RECEIVABLE MANUFACTURING        | MAPICS     | 5714-M44 |        | 61         | 46          |             |             |    | 6H30-0708       | SYSTEM/38                   | 1 I D          |
| >ACCOUNTS RECEIVABLE MFG                  | MMAS       | 5725-M34 |        | 51         |             |             |             |    | 6H30-0031       | SYSTEM/32                   | 1 I C          |
| >ACCOUNTS RECEIVABLE MFG                  | MMAS       | 5726-M34 |        | 51         |             |             |             |    | 6H30-0220       | SYSTEM/34                   | 1 I C          |
| >ACCOUNTS RECEIVABLE MFG                  | MAPICS     | 5726-M44 |        | 70         | 53          |             |             |    | 6H30-0221       | SYSTEM/34                   | 1 I D          |
| ADVANCED CONTROL SYSTEM - HOST ACS        | RPQ-P09031 | 5799-BEJ |        | 17415      |             |             |             | 12 |                 | 5799-AHE                    | 2 S E          |
| ADVANCED CONTROL SYSTEM - SERIES/I ACS    | RPQ-P09032 | 5799-BEW |        | 1415       |             |             |             | 12 |                 | 5799-AHE                    | 2 S E          |
| ADVANCED STATISTICAL ANALYSIS             | ASTAP      | 5796-PBH |        | 1350       |             |             |             | 24 | G320-8063       | OS/MFT/MVT/VS               | 2 I H          |
| >APPAREL ACCOUNTS RECEIVABLE              |            | 5796-NRZ |        | 195        |             |             |             | 12 | G320-1178       | SYSTEM/32                   | 1 S H          |
| >APPAREL BUSINESS CONTROL                 |            | 5701-D12 |        | 94         |             |             |             |    | 6H20-0822       | SYSTEM/3                    | 1 I C          |
| APPAREL BUSINESS SYSTEM                   |            | 5796-AJG |        | 1300       |             |             |             | 24 | G320-8152       | DOS/VS,CICS/VS              | 1 S H          |
| >APPAREL ORDER ALLOCATION                 |            | 5796-NTA |        | 195        |             |             |             | 12 | 6B30-1178       | SYSTEM/32                   | 1 S H          |
| >APPAREL ORDER ENTRY & CONTROL            |            | 5796-NQP |        | 575        |             |             |             | 12 | 6B30-1178       | SYSTEM/32                   | 1 S H          |
| APT ADVANCED CONTOURING                   | APT-AC     | 5740-M53 |        | 802        |             |             |             |    | 6H20-1423       | OS/VS                       | 1 I B          |
| APT INTERFACE MODULE                      | CADAM (R)  | 5796-ATE | R      | 402        | 230         |             |             |    | G320-6063       | OS/VS,VM/CMS                | 1 S E          |
| APT INTERMEDIATE CONTOURING               | APT-IC     | 5740-M52 |        | 480        |             |             |             |    | 6H20-1424       | OS/VS                       | 1 I B          |
| >BILL-OF-MATERIAL PROCESSOR MFG.          |            | 5702-M41 |        | 81         |             |             |             |    | 6C20-0965       | SYSTEM/3                    | 1 I B          |
| CAD-ONLY INTERACTIVE MODULE               | CADAM (R)  | 5796-ATA | R      | 1310       | 747         |             |             |    | G320-6063       | OS/VS,VM/CMS                | 1 S E          |
| CAD/CAM INTERACTIVE MODULE                | CADAM (R)  | 5796-ATB | R      | 1510       | 862         |             |             |    | G320-6063       | OS/VS,VM/CMS                | 1 S E          |
| >CADAM (R) INSTALLATION PRODUCTIVITY AID  |            | 5798-DEX |        | 1150       |             |             |             | 01 | 6B21-2753       | OS/VS,VM/CMS                | 1 S H          |
| CAPACITY PLANNING AND OPERATIONS          | CAPOSS-E   | 5740-M41 |        | 625        |             |             |             |    | 6H12-5119       | OS/VS1,MVS                  | 2 I B          |
| CAPACITY PLANNING AND OPERATIONS          | CAPOSS-E   | 5746-M41 |        | 625        |             |             |             |    | 6H12-5119       | DOS/VS                      | 2 I B          |
| >CAPACITY REQUIREMENTS PLANNING CRP MFG   | MAPICS     | 5714-M4G |        | 149        | 112         |             |             |    | 6H30-0482       | SYSTEM/38                   | 1 I D          |
| >CAPACITY REQUIREMENTS PLANNING MFG CRP   | MAPICS     | 5726-M4G |        | 149        | 112         |             |             |    | 6H30-0221       | SYSTEM/34                   | 1 I D          |
| >CARD B/M AND REQUIREMENTS PLANNING MFG   |            | 5701-M42 |        | 82         |             |             |             |    | 6H20-0770       | SYSTEM/3                    | 1 I C          |
| CHAINED FILE DL/I BRIDGE                  |            | 5748-XX3 |        | 437        |             |             |             |    | 6H12-5116       | DOS/VS,OS/VS                | 1 S B          |
| CIRCUIT BOARD DESIGN DATA STORAGE SYSTEM  | PCB        | 5796-BBP |        | 598        |             |             |             |    | 6320-6431       | VM/CMS 5796-BBL             | 1 S E          |
| CIRCUIT BOARD DESIGN SYSTEM - BASE        | PCB        | 5796-BBL |        | 2415       |             |             |             |    | 6320-6431       | VM/CMS                      | 1 S E          |
| CIRCUIT BOARD DESIGN VERIFICATION SYSTEM  | PCB        | 5796-BBN |        | 598        |             |             |             |    | 6320-6431       | VM/CMS 5796-BBL             | 1 S E          |
| COMMUNICATION ORIENTED MESSAGE SYSTEM     | CORMES     | 5668-007 |        | 417        |             |             |             |    | 6H12-5127       | OS/VS CICS DL/I             | 1 S E          |
| COMMUNICATION ORIENTED MESSAGE SYSTEM     | CORMES     | 5746-XXM |        | 417        |             |             |             |    | 6H12-5127       | DOS/VS                      | 2 S B          |
| >COMPUTER AIDED ENGINEERING DESIGN SYSTEM | CAEDS (R)  | 5796-BBZ | T      | 865        |             |             |             |    | 6320-6439       | MVS/TSO,VM/CMS              | 1 S E          |
| CONSUMER GOODS SYSTEM - ALLOCATION        | COGS       | 5734-D32 |        | 165        |             |             |             |    | 6H20-4410       | OS/MFT/MVT/VS1/VS2          | 1 I C          |
| CONSUMER GOODS SYSTEM - ALLOCATION DOS    | COGS       | 5736-D31 |        | 165        |             |             |             |    | 6H20-0721       | DOS,DOS/VS                  | 1 I C          |
| CONSUMER GOODS SYSTEM - FORECASTING       | COGS       | 5734-D33 |        | 220        |             |             |             |    | 6H20-4409       | OS/MFT/MVT/VS1/VS2          | 1 I C          |

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MANUFACTURING INDUSTRY APPLICATIONS

GBOF-3306 DAPS 1486 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T | LIC  | DSLO | LLPS | MLPS | GENERAL |      | ENVIRONMENT  | T I S                |       |
|---|------------|-------------|---|------|------|------|------|---------|------|--------------|----------------------|-------|
|   |            |             | G | FEE  | FEE  | FEE  | FEE  | MO      | INFO | OR FEATURE # | P L Y                |       |
| CONSUMER GOODS SYSTEM - FORECASTING DOS   | COGS       | 5736-D32    |   | 220  |      |      |      |         |      | GH20-0722    | DOS,DOS/V5           | 1 I C |
| CONTINUOUS SYSTEM MODELING PROGRAM III    | CSMP III   | 5734-XS9/01 |   | 98   |      |      |      |         |      | GH19-7000    | VS1/VS2/VM           | 1 I C |
| COPICS BILL MATERIAL BATCH UTILITIES II   |            | 5785-GBC    |   | 50   |      |      |      |         |      | GB21-2640    | DOS/VSE OS/V5 DL/I   | 1 S E |
| COPICS BILL OF MATERIAL ON LINE II        |            | 5785-GBA    |   | 95   |      |      |      |         |      | GB21-2638    | DOS/VSE OS/V5 DL/I   | 1 S E |
| COPICS FACILITIES DATA CONTROL            |            | 5798-CZH    |   | 140  |      |      |      | 36      |      | GB21-2433    | DL/I CICS/V5 DMS/V5  | 1 S H |
| COPICS INVENTORY ACCOUNTING II            |            | 5785-GBE    |   | 70   |      |      |      |         |      | GB21-2644    | DOS/VSE OS/V5 DL/I   | 1 S E |
| COPICS INVENTORY PLANNING FORECASTING II  |            | 5798-DCR    |   | 172  |      |      |      |         |      | GB21-2650    | DOS/VSE,OS/V5 DL/I   | 1 S E |
| COPICS MATERIAL REQUIREMENTS PLANNING II  |            | 5785-GBF    |   | 105  |      |      |      |         |      | GB21-2646    | DOS/VSE OS/V5 DL/I   | 1 S E |
| >COPICS ONLINE ROUTING                    |            | 5740-XYX    |   | 250  |      |      |      |         |      | GH12-5138    | OS/V5,IMS,CICS,DL/I  | 2 S E |
| >COPICS ONLINE ROUTING                    |            | 5746-XYI    |   | 250  |      |      |      |         |      | GH12-5138    | DOS/VSE,CICS,DL/I    | 2 S E |
| COPICS PLANT MONITORING & CONTROL - 8100  |            | 5798-DFT    |   | 431  |      |      |      |         |      | GB21-2842    | DPPX 5798-DFR        | 1 S E |
| COPICS PLANT MONITORING - HOST INTERFACE  |            | 5798-DFR    |   | 115  |      |      |      |         |      | GB21-2842    | OS/V5 VSE 5798-DFR   | 1 S E |
| COPICS PRODUCT COST CALCULATIONS II       |            | 5785-GBD    |   | 115  |      |      |      |         |      | GB21-2642    | DOS/VSE OS/V5 DL/I   | 1 S E |
| COPICS PURCHASING                         |            | 5785-GAX    |   | 250  |      |      |      |         |      | GB21-2772    | DOS/VSE,OS/V5 DL/I   | 1 S E |
| COPICS RECEIVING                          |            | 5785-GAZ    |   | 175  |      |      |      |         |      | GB21-2774    | DOS/VSE,OS/V5 DL/I   | 1 S E |
| COPICS ROUTING DATA CONTROL               |            | 5798-CXE    |   | 140  |      |      |      | 36      |      | GB21-2311    | DOS/V5,DOS/VSE,OS/V5 | 1 S H |
| COPICS SHDP ORDER RELEASE II              |            | 5798-DCQ    |   | 230  |      |      |      |         |      | GB21-2648    | DOS/VSE,OS/V5 DL/I   | 1 S E |
| CORMES DMS/V5 DOS/V5 INTERFACE            |            | 5798-CTR    |   | 125  |      |      |      |         | 12   | GB21-2244    | 5746XXM CICS/DOS/V5  | 1 I H |
| CUSTOMER ORDER SERVICING DATA MANAGEMENT  | COPICS     | 5785-DCN    |   | 195  |      |      |      |         |      | GB21-2633    | DOS/VSE,OS/V5        | 1 S E |
| CUSTOMER ORDER SERVICING ORDER MANAGEMENT | COPICS     | 5785-DCP    |   | 195  |      |      |      |         |      | GB21-2633    | DOS/VSE,OS/V5        | 1 S E |
| DATA BASE ORGANIZATION AND MAINTENANCE    | DBOMP      | 5736-XX4/01 |   | 115  |      |      |      |         |      | GH20-0771    | DOS,DOS/V5           | 2 S C |
| >DATA COLL SYS SUPPORT 5230 MFG DCSS      | MAPICS     | 5714-M4A    |   | 100  | 75   |      |      |         |      | GH30-0709    | SYSTEM/38            | 1 I D |
| >DATA COLLECTION SYSTEM SUPPORT MFG 5230  | MAPICS     | 5726-M4A    |   | 109  | 82   |      |      |         |      | GH30-0221    | SYSTEM/34            | 1 I D |
| >DATA COLLECTION SYSTEM SUPPORT MOD 12    | DCSS/3     | 5705-M31    |   | 44   |      |      |      |         |      | GH30-0204    | SYSTEM/3             | 1 S C |
| DATA MANAGEMENT MODULE                    | CADAM (R)  | 5796-ATC    | R | 584  | 333  |      |      |         |      | G320-6063    | OS/V5,VM/CMS         | 1 S E |
| DBOMP CICS / DASF FEATURE                 |            | 5736-XX4/03 |   | 105  |      |      |      |         |      | GH20-4621    | 6041-6046            | 2 S C |
| DBOMP CICS FEATURE                        |            | 5736-XX4/02 |   | 85   |      |      |      |         |      | GH20-4446    | 6024-6028            | 2 S C |
| >DISTRIBUTED PLANT MAINTENANCE            |            | 5787-GAA    | P | 455  |      |      |      |         |      | GB21-2895    | DPPX                 | 1 S E |
| DOWNSTREAM LOAD UTILITY                   | DSLX       | 5668-006    |   | 93   | 69   | 5    | 8    |         |      | GC33-6125    | DOS/VSE,OS/V5/1      | 1 S K |
| >FINITE ELEMENT ANALYSIS                  | CAEDS (R)  | 5796-AZB    | T | 1810 |      |      |      |         |      | G320-6039    | MVS/TSO,VM/CMS       | 1 S E |
| >FRAME ANALYSIS                           | CAEDS (R)  | 5796-AZA    | T | 950  |      |      |      |         |      | G320-6439    | MVS/TSO,VM/CMS       | 1 S E |
| >GENERAL LEDGER DISTR MFG MAPICS          | DFAS II    | 5726-M47    |   | 70   | 53   |      |      |         |      | GH30-0221    | SYSTEM/34            | 1 I D |
| >GENERAL LEDGER DISTRIBUTORS              | DFAS       | 5725-D61    |   | 49   |      |      |      |         |      | GH30-0314    | SYSTEM/32            | 1 I C |
| >GENERAL LEDGER MFG                       | MAPICS     | 5714-M47    |   | 61   | 46   |      |      |         |      | GH30-0710    | SYSTEM/38            | 1 I D |
| >GENERAL LEDGER MFG                       | MMA5       | 5725-M37    |   | 49   |      |      |      |         |      | GH30-0034    | SYSTEM/32            | 1 I C |
| >GENERAL LEDGER MFG                       | MMA5       | 5726-M37    |   | 49   |      |      |      |         |      | GH30-0220    | SYSTEM/34            | 1 I C |
| GEOMETRY INTERFACE MODULE                 | CADAM (R)  | 5796-ATJ    | R | 342  | 195  |      |      |         |      | G320-6063    | OS/V5,VM/CMS         | 1 S E |
| GRAPHIC TRAINING AID                      |            | 5796-AJY    |   | 650  |      |      |      | 12      |      | G320-6336    | VS1                  | 1 S H |
| GRAPHICS FEATURE FOR CSMP III             |            | 5734-XS9/02 |   | 385  |      |      |      |         |      | GH19-7000    | 6065-6067            | 1 I C |
| HARDCOPY MODULE                           | CADAM (R)  | 5796-ATD    | R | 493  | 281  |      |      |         |      | G320-6063    | OS/V5,VM/CMS         | 1 S E |



MANUFACTURING INDUSTRY APPLICATIONS G80F-3306 DAPS 1486 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| INTERACTIVE CIRCUIT DESIGN                |            | 5796-PLR |        | 862        |             |             |             | 24 | G320-6164       | VSAPL, APLSV                | 1      | S      | H      |
| >INVENTORY AND REQUIREMENTS PLANNING MFG. | IRP        | 5702-M52 |        | 124        |             |             |             |    | GH20-0971       | SYSTEM/3                    | 1      | S      | B      |
| >INVENTORY AND STOCK STATUS PROCESSING    | INVEN MGMT | 5701-M41 |        | 63         |             |             |             |    | GH20-0741       | SYSTEM/3                    | 1      | I      | C      |
| INVENTORY FORECASTING ALLOCATION MODULES  |            | 5798-CXG |        | 410        |             |             |             | 12 | GB21-2323       | INFOREM 5798-CFH            | 1      | S      | H      |
| >INVENTORY MANAGEMENT MANUFACTURING       | MAPICS     | 5714-M45 |        | 78         | 59          |             |             |    | GH30-0708       | SYSTEM/38                   | 1      | I      | D      |
| >INVENTORY MANAGEMENT MFG                 | MMAS       | 5725-M35 |        | 63         |             |             |             |    | GH30-0032       | SYSTEM/32                   | 1      | I      | C      |
| >INVENTORY MANAGEMENT MFG                 | MMAS       | 5726-M35 |        | 63         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >INVENTORY MANAGEMENT MFG                 | MAPICS     | 5726-M45 |        | 93         | 70          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >IPICS ENG/PROD DATA CTL VER II           |            | 5798-NLH |        | 172        |             |             |             | 24 | GB30-1024       | SYSTEM/3                    | 1      | I      | H      |
| >IPICS INVENTORY ACCTG VERS II            |            | 5798-NLK |        | 178        |             |             |             | 24 | GB30-1028       | SYSTEM/3                    | 1      | I      | H      |
| >IPICS MATERIAL REQ PLAN VERS II          |            | 5798-NLL |        | 195        |             |             |             | 24 | GB30-1030       | SYSTEM/3                    | 1      | I      | H      |
| >IPICS ONLINE MAT MGMT/DATA MAINT         |            | 5798-NLR |        | 287        |             |             |             | 12 | GB30-1039       | SYSTEM/3                    | 1      | I      | H      |
| >IPICS PRODUCT COSTING VERS II            |            | 5798-NLJ |        | 69         |             |             |             | 24 | GB30-1026       | SYSTEM/3                    | 1      | I      | H      |
| >IPICS--CAPACITY PLANNING                 |            | 5798-NCY |        | 172        |             |             |             | 12 | GB30-0691       | SYSTEM/3                    | 1      | I      | H      |
| >IPICS--PRODUCTION CONTROL                |            | 5798-NCZ |        | 402        |             |             |             | 12 | GB30-0694       | SYSTEM/3                    | 1      | I      | H      |
| >JOB ANALYSIS SYSTEM (JAS/3) MOD 8/10DISK | CRIT PATH  | 5702-XP1 |        | 124        |             |             |             |    | GH20-1085       | SYSTEM/3                    | 1      | S      | C      |
| >KINEMATICS                               | CATIA (R)  | 5796-PQL |        | 420        | 300         |             |             |    | G320-6650       | OS/VS                       | 1      | S      | E      |
| >MANUFACTURING DATA GENERATORS            |            | 5796-NTB |        | 81         |             |             |             | 06 | GB30-1222       | SYSTEM/32                   | 1      | S      | H      |
| >MATERIAL REQUIREMENTS PLANNING MFG MRP   | MAPICS     | 5726-M4B |        | 169        | 127         |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >MATERIAL REQUIREMENTS PLANNING MRP MFG   | MAPICS     | 5714-M4B |        | 151        | 113         |             |             |    | GH30-0709       | SYSTEM/38                   | 1      | I      | D      |
| NUMERICAL GEOMETRY SYSTEM APT-AC BRIDGE   |            | 5785-EAN |        | 300        |             |             |             | 24 | GB21-2608       | 5785-EAH                    | 1      | S      | H      |
| NUMERICAL GEOMETRY SYSTEM - ADVANCED      |            | 5785-EAJ |        | 1200       |             |             |             | 24 | GB21-2608       | 5785-EAH                    | 1      | S      | H      |
| NUMERICAL GEOMETRY SYSTEM - BASIC         |            | 5785-EAH |        | 1400       |             |             |             | 24 | GB21-2608       | MVS                         | 1      | S      | H      |
| >ONLINE DATA COLL & INQUIRY               |            | 5798-NNG |        | 230        |             |             |             | 12 | GB30-1060       | SYSTEM/3                    | 1      | S      | H      |
| >OPTIMUM BLENDING PROCESS                 | LINEAR/PRO | 5701-D51 |        | 113        |             |             |             |    | GH20-0933       | SYSTEM/3                    | 1      | I      | C      |
| >ORDER ENTRY AND INVOICING BILLING        | MMAS       | 5725-M39 |        | 77         |             |             |             |    | GH30-0038       | SYSTEM/32                   | 1      | I      | C      |
| >ORDER ENTRY AND INVOICING MFG            | MMAS       | 5726-M39 |        | 77         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >ORDER ENTRY AND INVOICING MFG            | MAPICS     | 5726-M49 |        | 104        | 78          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >ORDER ENTRY AND INVOICING DE&I           | MAPICS     | 5714-M49 |        | 91         | 68          |             |             |    | GH30-0708       | SYSTEM/38                   | 1      | I      | D      |
| >PAYROLL DISTRIBUTORS                     | DFAS       | 5725-D63 |        | 63         |             |             |             |    | GH30-0302       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL DISTRIBUTORS MFG MAPICS          | DFAS II    | 5726-M42 |        | 95         | 71          |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >PAYROLL MANUFACTURING                    | MAPICS     | 5714-M42 |        | 77         | 58          |             |             |    | GH30-0710       | SYSTEM/38                   | 1      | I      | D      |
| >PAYROLL MFG                              | MMAS       | 5725-M32 |        | 63         |             |             |             |    | GH30-0035       | SYSTEM/32                   | 1      | I      | C      |
| >PAYROLL MFG                              | MMAS       | 5726-M32 |        | 63         |             |             |             |    | GH30-0220       | SYSTEM/34                   | 1      | I      | C      |
| >PLANT FLOOR COLLECTION & LOT TRACKING    |            | 5798-DFG |        | 310        |             |             |             | 12 | GB21-2881       | DPPX+3640                   | 1      | S      | H      |
| PLANT MAINTENANCE EQUIPMENT MANAGEMENT    |            | 5787-NAD |        | 1100       |             |             |             | 12 | G320-6601       | DOS/VSE CICS DL/I           | 1      | S      | H      |
| PLANT MAINTENANCE SPARE PARTS MANAGEMENT  |            | 5787-NAE |        | 800        |             |             |             | 12 | G320-6602       | DOS/VSE CICS DL/I           | 1      | S      | H      |
| >POLYHEDRAL SOLID GEOMETRY                | CATIA (R)  | 5796-PQJ |        | 420        | 300         |             |             |    | G320-6650       | OS/VS                       | 1      | S      | E      |
| >PRODUCT DATA MANAGEMENT MFG              | MAPICS     | 5726-M46 |        | 154        | 116         |             |             |    | GH30-0221       | SYSTEM/34                   | 1      | I      | D      |
| >PRODUCT DATA MANAGEMENT MFG PDM          | MAPICS     | 5714-M46 |        | 136        | 102         |             |             |    | GH30-0709       | SYSTEM/38                   | 1      | I      | D      |

MANUFACTURING INDUSTRY APPLICATIONS

GBOF-3306 DAPS 1486 (CONT.)

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL   | ENVIRONMENT          | T I S |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------|----------------------|-------|
|   |            |             |        |            |             |             |             |    | INFO      | OR FEATURE #         | P L V |
| >PRODUCT DEFINITION & COSTING MFG         | MMAS       | 5726-M36    |        | 59         |             |             |             |    | GH30-0220 | SYSTEM/34            | 1 I C |
| >PRODUCTION CONTROL AND COSTING MFG PC&C  | MAPICS     | 5726-M41    |        | 169        | 127         |             |             |    | GH30-0221 | SYSTEM/34            | 1 I D |
| >PRODUCTION CONTROL AND COSTING PCC MFG   | MAPICS     | 5714-M41    |        | 151        | 113         |             |             |    | GH30-0709 | SYSTEM/38            | 1 I D |
| >PRODUCTION DEFINITION & COSTING MFG      | MMAS       | 5725-M36    |        | 59         |             |             |             |    | GH30-0033 | SYSTEM/32            | 1 I C |
| >PRODUCTION STATUS & COSTING MFG          | MMAS       | 5725-M31    |        | 63         |             |             |             |    | GH30-0037 | SYSTEM/32            | 1 I C |
| >PRODUCTION STATUS AND COSTING MFG        | MMAS       | 5726-M31    |        | 63         |             |             |             |    | GH30-0220 | SYSTEM/34            | 1 I C |
| >RELEA CTRL FOR SUPPLIERS TO THE AUTO IND | AUTOMOTIVE | 5725-M45    |        | 84         |             |             |             |    | GH30-0014 | SYSTEM/32            | 1 S C |
| REQUIREMENTS PLANNING                     |            | 5734-M51/01 |        | 231        |             |             |             |    | GH20-4618 | OS/MFT/MVT/VS        | 1 I C |
| REQUIREMENTS PLANNING CONNECTION RECORDS  |            | 5734-M51/02 |        | 33         |             |             |             |    | GH20-4618 | 6015                 | 1 I C |
| >S/1 AIR QUALITY MONITORING SYS           |            | 5798-RDQ    |        | 560        |             |             | 12          |    | GB30-1591 | SERIES/1             | 1 S H |
| >S/1 DATA COLLEC EDIT & TRANSMIT          |            | 5798-RCX    | P      | 138        |             |             | 12          |    | GB30-1552 | SERIES/1             | 1 S H |
| >S/23 JOB SHOP CONTROL - A/P              |            | 5796-ZAJ    |        | 1200       |             |             | 01          |    | GB30-1714 | SYS/23 DATAMASTER    | 1 I H |
| >S/23 JOB SHOP CONTROL - A/R              |            | 5796-ZAK    |        | 1200       |             |             | 01          |    | GB30-1714 | SYS/23 DATAMASTER    | 1 I H |
| >S/23 JOB SHOP CONTROL - G/L              |            | 5796-ZAN    |        | 1200       |             |             | 01          |    | GB30-1714 | SYS/23 DATAMASTER    | 1 I H |
| >S/23 JOB SHOP CONTROL - J/C              |            | 5796-ZAH    |        | 2800       |             |             | 01          |    | GB30-1714 | SYS/23 DATAMASTER    | 1 I H |
| >S/23 JOB SHOP CONTROL - P/R              |            | 5796-ZAL    |        | 1200       |             |             | 01          |    | GB30-1714 | SYS/23 DATAMASTER    | 1 I H |
| >S/34 APPAREL BUS SYS - A/R               |            | 5796-RAD    |        | 287        |             |             | 12          |    | GB30-1457 | SYSTEM/34            | 1 S H |
| >S/34 APPAREL BUS SYS - G-T-N P/R         |            | 5796-RAK    |        | 299        |             |             | 12          |    | GB30-1457 | SYSTEM/34            | 1 S H |
| >S/34 APPAREL BUS SYS - OA                |            | 5796-RAE    |        | 258        |             |             | 12          |    | GB30-1457 | SYSTEM/34            | 1 S H |
| >S/34 APPAREL BUS SYS - DE & C            |            | 5796-RAC    |        | 862        |             |             | 12          |    | GB30-1457 | SYSTEM/34            | 1 S H |
| >S/34 APPAREL BUS SYS - P/R               |            | 5796-RAJ    |        | 299        |             |             | 12          |    | GB30-1457 | SYSTEM/34            | 1 S H |
| >S/34 BAR CODE PRINT FOR MAPICS           |            | 5798-RHN    |        | 150        |             |             | 06          |    | GB30-1706 | SYSTEM/34            | 1 S H |
| >S/34 DATA COLLEC HOST                    |            | 5798-RDX    |        | 69         |             |             | 01          |    | GB30-1552 | SYSTEM/34            | 1 S H |
| >S/34 EQUIP COSTING/MAINT                 |            | 5796-RBW    |        | 690        |             |             | 12          |    | GB30-1511 | SYSTEM/34            | 1 I H |
| >S/34 MFG ORDER TRACKING SUBSYS           |            | 5798-RCT    |        | 104        |             |             | 06          |    | GB30-1536 | SYSTEM/34            | 1 S H |
| >S/34 MFRS INVITY FORECASTING             |            | 5798-RDC    |        | 400        |             |             | 12          |    | GB30-1532 | SYSTEM/34            | 1 S H |
| >S/34 ONLINE DATA COLLECT/INQUIRY         |            | 5798-NNE    |        | 115        |             |             | 12          |    | GB30-1054 | SYSTEM/34            | 1 S H |
| >S/34 STRIP & BAR CUTTING OPTIMIZ         |            | 5798-NZC    |        | 75         |             |             | 12          |    | GB30-1406 | SYSTEM/34            | 1 S H |
| >SALES ANALYSIS MFG                       | MAPICS     | 5714-M48    |        | 77         | 58          |             |             |    | GH30-0708 | SYSTEM/38            | 1 I D |
| >SALES ANALYSIS MFG                       | MMAS       | 5725-M38    |        | 63         |             |             |             |    | GH30-0039 | SYSTEM/32            | 1 I C |
| >SALES ANALYSIS MFG                       | MMAS       | 5726-M38    |        | 63         |             |             |             |    | GH30-0220 | SYSTEM/34            | 1 I C |
| >SALES ANALYSIS MFG                       | MAPICS     | 5726-M48    |        | 93         | 70          |             |             |    | GH30-0221 | SYSTEM/34            | 1 I D |
| >SHIP CTRL FOR SUPPLIERS TO THE AUTO IND  | AUTOMOTIVE | 5725-M44    |        | 77         |             |             |             |    | GH30-0013 | SYSTEM/32            | 1 S C |
| >SHOP LOADING AND CONTROL MFG.            |            | 5702-M51    |        | 215        |             |             |             |    | GH20-1240 | SYSTEM/3             | 1 I B |
| SOFTCOPY - A CADAM (R) DRAWING VIEWER     |            | 5796-PNP    |        | 293        |             |             |             |    | G320-6388 | MVS-TSO,VM/CMS,32776 | 1 S E |
| STATISTICAL DATA MODULE                   | CADAM (R)  | 5796-ATG    | R      | 32         | 18          |             |             |    | G320-6063 | OS/VS,VM/CMS         | 1 S E |
| >SURFACE AND NC                           | CATIA (R)  | 5796-PQH    |        | 840        | 500         |             |             |    | G320-6650 | OS/VS                | 1 S E |
| TELECOMMUNICATIONS MODULE                 | CADAM (R)  | 5796-ATF    | R      | 351        | 201         |             |             |    | G320-6063 | OS/VS                | 1 S E |
| >WIRE FRAME GEOMETRY                      | CATIA (R)  | 5796-PQG    |        | 1420       | 1000        |             |             |    | G320-6650 | OS/VS                | 1 S E |
| 3D MESH GEOMETRY MODULE                   | CADAM (R)  | 5796-AWR    | R      | 428        | 244         |             |             |    | G320-6063 | OS/VS,VM/CMS         | 0 S H |

MANUFACTURING INDUSTRY APPLICATIONS

GBOF-3306 DAPS 1486 (CONT.)

| <u>PROGRAM INFORMATION</u>                   | <u>SHORT NAME</u> | <u>ORDER #</u>     | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u>   | <u>ENVIRONMENT</u>  | <u>T I S</u> |
|--|-------------------|--------------------|----------|------------|-------------|-------------|-------------|------------------|---------------------|--------------|
|  |                   |                    | <u>C</u> | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  | <u>INFO</u>      | <u>OR FEATURE #</u> | <u>P L V</u> |
| 3D SURFACE GEOMETRY MODULE                   | CADAM (R)         | 5796-AWT           | R        | 201        | 115         |             |             | G320-6063        | OS/V5,VM/CMS        | 0 S H        |
| 3630 PLANT COMMUNICATION HOST SERVICES       |                   | 5744-CR1           |          |            |             |             |             | GA24-3721        | OS/V5               | 0 S N        |
| 3630 PLANT COMMUNICATION SYSTEM HOST         |                   | 5747-CJ1           |          |            |             |             |             | GA24-3721        | DOS/V5              | 0 S N        |
| 3630 PLANT MONITORING AND CONTROL            |                   | 5798-DAH/01        |          | 184        |             |             | 24          | GB21-2506        | DOS/V5 OS/V5        | 1 S H        |
| <u>3630 PLANT MONITORING ENHANCEMENTS</u>    |                   | <u>5798-DAH/02</u> |          | <u>75</u>  |             |             | <u>24</u>   | <u>GB21-2506</u> | <u>9566-9567</u>    | <u>1 S H</u> |
| >3640 CICS/V5 EXTENSIONS - 4331 LOOPS        | RPQ-P90000        | 5799-BEH           |          | 61         | 45          | 6           | 10          |                  | DOS/VSE,OS/V51      | 1 S K        |
| 3644 PARAMETER TABLE GENERATION FACILITY     | GEN3644           | 5668-998           |          | 63         | 47          | 6           | 10          | GC31-0009        | DOS/VSE,OS/V51      | 1 S K        |
| >5120 JOB SHOP SYS - A/P                     |                   | 5796-RCC           |          | 126        |             |             | 12          | GB30-1523        | 5120 SYSTEM         | 1 S H        |
| >5120 JOB SHOP SYS - A/R                     |                   | 5796-RCE           |          | 132        |             |             | 12          | GB30-1523        | 5120 SYSTEM         | 1 S H        |
| >5120 JOB SHOP SYS - G/L                     |                   | 5796-RCF           |          | 132        |             |             | 12          | GB30-1523        | 5120 SYSTEM         | 1 S H        |
| >5120 JOB SHOP SYS - JOB COST                |                   | 5796-RCB           |          | 287        |             |             | 12          | GB30-1523        | 5120 SYSTEM         | 1 S H        |
| >5120 JOB SHOP SYS - P/R                     |                   | 5796-RCD           |          | 126        |             |             | 12          | GB30-1523        | 5120 SYSTEM         | 1 S H        |
| >5230 DATA COLLECT SYS SUPPORT FOR S/32      | DCSS              | 5725-M3A           |          | 63         |             |             |             | GH30-0016        | SYSTEM/32           | 1 I C        |
| >5230 DATA COLLECTION SUPPORT FOR S/34       | DCSS              | 5726-M3A           |          | 63         |             |             |             | GH30-0220        | SYSTEM/34           | 1 I C        |
| <u>8100 / 3640 SHOP FLOOR CONTROL SYSTEM</u> |                   | <u>5796-BBR</u>    |          | <u>345</u> |             |             | <u>12</u>   | <u>G320-6432</u> | <u>DPPX</u>         | <u>1 S H</u> |
| 8100 3640 SPECIAL SUPPORT SUBROUTINES        |                   | 5798-DEJ           |          | 40         |             |             | 12          | GB21-2719        | 8100/DPPX-COBOL     | 1 S H        |

MEDIA INDUSTRY APPLICATIONS GBOF-3307 DAPS 1487

| <u>PROGRAM INFORMATION</u>           | <u>SHORT NAME</u> | <u>ORDER #</u> | <u>T</u><br><u>C</u> | <u>LIC</u><br><u>FEE</u> | <u>DSLO</u><br><u>FEE</u> | <u>LLPS</u><br><u>FEE</u> | <u>MLPS</u><br><u>FEE</u> | <u>MO</u> | <u>GENERAL</u><br><u>INFO</u> | <u>ENVIRONMENT</u><br><u>OR FEATURE #</u> | <u>T I S</u><br><u>P L V</u> |
|--------------------------------------|-------------------|----------------|----------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------|-------------------------------|---|------------------------------|
| >GENERAL LEDGER DISTRIBUTION/MEDIA   | DMS/38            | 5714-D47       |                      | 61                       | 46                        |                           |                           |           | GH30-0710                     | SYSTEM/38                                 | 1 I D                        |
| >JUDD & DETWEILER - P I C A S        |                   | 5796-ABS       |                      | 217                      |                           |                           |                           | 12        | G320-1432                     | SYSTEM/3                                  | 1 I H                        |
| >MEMBERSHIP AND MAILING ASSOCIATIONS |                   | 5725-K11       |                      | 123                      |                           |                           |                           |           | GH30-0012                     | SYSTEM/32                                 | 1 I C                        |
| ONLINE LIST MAINTENANCE SYSTEM       |                   | 5796-AGT       |                      | 450                      |                           |                           |                           | 12        | G320-8117                     | DOS/V5                                    | 1 S H                        |
| ONLINE MEMBERSHIP SYSTEM             |                   | 5798-DGH       |                      | 563                      |                           |                           |                           | 24        | GB21-2850                     | VM/CMS                                    | 1 S H                        |
| ONLINE NEWSPAPER CIRCULATION SYSTEM  |                   | 5796-ANP       |                      | 1500                     |                           |                           |                           | 12        | G320-5726                     | CICS/OS/V5                                | 1 S H                        |
| ONLINE NEWSPAPER CIRCULATION SYSTEM  |                   | 5796-ANQ       |                      | 1500                     |                           |                           |                           | 12        | G320-5726                     | CICS/DOS/V5                               | 1 S H                        |
| >S/32 ADVERT A/R & CIRCULATION       |                   | 5796-NWG       |                      | 603                      |                           |                           |                           | 12        | GB30-1297                     | SYSTEM/32                                 | 1 S H                        |
| >S/34 ADVERT A/R & CIRCULATION       |                   | 5796-NXN       |                      | 603                      |                           |                           |                           | 12        | GB30-1297                     | SYSTEM/34                                 | 1 S H                        |
| >S/34 CABLE TV O/L CUSTOMER SERV     |                   | 5796-NZW       |                      | 356                      |                           |                           |                           | 24        | GB30-1426                     | SYSTEM/34                                 | 1 S H                        |
| 3279 EXECUTIVE PRESENTATION SYSTEM   |                   | 5798-DEB       |                      | 345                      |                           |                           |                           | 12        | GB21-2725                     | VH,T50 + GDDM                             | 1 S H                        |

PROCESS INDUSTRY APPLICATIONS GBOF-3339 DAPS 1489

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|--|------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| ADVANCED CONTROL SYSTEM - HOST ACS       | RPQ-P09031 | 5799-BEJ |        | 17415      |             |             |             |    | 12              | 5799-AHE                    | 2      | S      | E      |
| ADVANCED CONTROL SYSTEM - SERIES/1 ACS   | RPQ-P09032 | 5799-BEW |        | 1415       |             |             |             |    | 12              | 5799-AHE                    | 2      | S      | E      |
| CONSUMER GOODS SYSTEM - ALLOCATION       | COGS       | 5734-D32 |        | 165        |             |             |             |    | GH20-4410       | OS/MFT/MVT/VS1/VS2          | 1      | I      | C      |
| CONSUMER GOODS SYSTEM - ALLOCATION DOS   | COGS       | 5736-D31 |        | 165        |             |             |             |    | GH20-0721       | DOS,DOS/VS                  | 1      | I      | C      |
| CONSUMER GOODS SYSTEM - FORECASTING      | COGS       | 5734-D33 |        | 220        |             |             |             |    | GH20-6409       | OS/MFT/MVT/VS1/VS2          | 1      | I      | C      |
| CONSUMER GOODS SYSTEM - FORECASTING DOS  | COGS       | 5736-D32 |        | 220        |             |             |             |    | GH20-0722       | DOS,DOS/VS                  | 1      | I      | C      |
| COPICS BILL MATERIAL BATCH UTILITIES II  |            | 5785-GBC |        | 50         |             |             |             |    | GB21-2640       | DOS/VSE OS/VS DL/I          | 1      | S      | E      |
| COPICS BILL OF MATERIAL ON LINE II       |            | 5785-GBA |        | 95         |             |             |             |    | GB21-2638       | DOS/VSE OS/VS DL/I          | 1      | S      | E      |
| COPICS FACILITIES DATA CONTROL           |            | 5798-CZH |        | 140        |             |             |             |    | GB21-2433       | DL/I CICS/VS DMS/VS         | 1      | S      | H      |
| COPICS INVENTORY ACCOUNTING II           |            | 5785-GBE |        | 70         |             |             |             |    | GB21-2644       | DOS/VSE OS/VS DL/I          | 1      | S      | E      |
| COPICS INVENTORY PLANNING FORECASTING II |            | 5798-DCR |        | 172        |             |             |             |    | GB21-2650       | DOS/VSE,OS/VS DL/I          | 1      | S      | E      |
| COPICS MATERIAL REQUIREMENTS PLANNING II |            | 5785-GBF |        | 105        |             |             |             |    | GB21-2646       | DOS/VSE OS/VS DL/I          | 1      | S      | E      |
| >COPICS ONLINE ROUTING                   |            | 5740-XYX |        | 250        |             |             |             |    | GH12-5138       | OS/VS,IMS,CICS,DL/I         | 2      | S      | E      |
| >COPICS ONLINE ROUTING                   |            | 5746-XY1 |        | 250        |             |             |             |    | GH12-5138       | DOS/VSE,CICS,DL/I           | 2      | S      | E      |
| COPICS PRODUCT COST CALCULATIONS II      |            | 5785-GBD |        | 115        |             |             |             |    | GB21-2642       | DOS/VSE OS/VS DL/I          | 1      | S      | E      |
| COPICS PURCHASING                        |            | 5785-GAX |        | 250        |             |             |             |    | GB21-2772       | DOS/VSE,OS/VS DL/I          | 1      | S      | E      |
| COPICS RECEIVING                         |            | 5785-GAZ |        | 175        |             |             |             |    | GB21-2774       | DOS/VSE,OS/VS DL/I          | 1      | S      | E      |
| COPICS ROUTING DATA CONTROL              |            | 5798-CXE |        | 140        |             |             |             |    | GB21-2311       | DOS/VS,DOS/VSE,OS/VS        | 1      | S      | H      |
| COPICS SHOP ORDER RELEASE II             |            | 5798-DCQ |        | 230        |             |             |             |    | GB21-2648       | DOS/VSE,OS/VS DL/I          | 1      | S      | E      |
| CUSTOMER ORDER SERVICING DATA MANAGEMENT | COPICS     | 5785-DCN |        | 195        |             |             |             |    | GB21-2633       | DOS/VSE,OS/VS               | 1      | S      | E      |
| CUSTOMER ORDER SERVICING ORDER MANAGEMNT | COPICS     | 5785-DCP |        | 195        |             |             |             |    | GB21-2633       | DOS/VSE,OS/VS               | 1      | S      | E      |
| DISPLAY MANAGEMENT SYSTEMS               | RPQ-Z06076 | 5799-AFD |        | 4125       |             |             |             |    | 12 SH20-1745    | 5799-AHE                    | 2      | I      | B      |
| EARTH RESOURCES MANAGEMENT II            | RPQ-MH2256 | 5799-ARX |        | 2300       |             |             |             |    | 24 GB11-5007    | VS1                         | 1      | S      | C      |
| FINANCIAL MANAGEMENT SYSTEM              |            | 5785-NAC |        | 1750       |             |             |             |    | GB21-2679       | OS/VS,IMS/VS                | 2      | S      | E      |
| FREIGHT BILL AUDIT AND RATING SYSTEM     |            | 5796-AEJ |        | 1215       |             |             |             |    | 24 G320-8071    | OS/MVT                      | 2      | I      | H      |
| FREIGHT BILL AUDITING SYSTEM             |            | 5796-AJB |        | 350        |             |             |             |    | 12 G320-8147    | DOS/VS                      | 1      | I      | H      |
| GEO-FACILITIES DATA BASE SUPPORT         | RPQ-P09030 | 5799-BEB |        | 1725       |             |             |             |    | 36 GH20-2482    | IMS,5799-AYB                | 2      | S      | B      |
| INTERACTIVE GEO-FACILITIES GRAPHICS IGG5 | RPQ-P09016 | 5799-AYB |        | 702        |             |             |             |    | 24 GH20-2152    | TSD,VM & 5799-AXX           | 2      | S      | E      |
| >JOINT INT G/L ACCTG FOR OIL/GAS         |            | 5798-NQW |        | 546        |             |             |             |    | 12 GB30-1191    | SYSTEM/32                   | 1      | S      | H      |
| >PIPICS -- BATCH PRODUCT DATA CTL        |            | 5798-NJW |        | 184        |             |             |             |    | 24 GB30-0929    | SYSTEM/3                    | 1      | I      | H      |
| >PIPICS -- INVENTORY ACCOUNTING          |            | 5798-NJY |        | 195        |             |             |             |    | 24 GB30-0935    | SYSTEM/3                    | 1      | I      | H      |
| >PIPICS -- MATERIAL REQ PLANNING         |            | 5798-NJZ |        | 212        |             |             |             |    | 24 GB30-0938    | SYSTEM/3                    | 1      | I      | H      |
| >PIPICS -- PRODUCT COSTING               |            | 5798-NJX |        | 69         |             |             |             |    | 24 GB30-0932    | SYSTEM/3                    | 1      | I      | H      |
| PLANT MAINTENANCE EQUIPMENT MANAGEMENT   |            | 5787-NAD |        | 1100       |             |             |             |    | 12 G320-6401    | DOS/VSE CICS DL/I           | 1      | S      | H      |
| PLANT MAINTENANCE SPARE PARTS MANAGEMENT |            | 5787-NAE |        | 800        |             |             |             |    | 12 G320-6402    | DOS/VSE CICS DL/I           | 1      | S      | H      |
| RAILCAR LOCATION & REPORTING SYSTEM      |            | 5796-AFR |        | 1335       |             |             |             |    | 24 G320-8102    | OS/MVT/VS1,SVS,MVS          | 1      | S      | H      |
| SPECIAL REAL TIME OPERATING SYST - SRT05 | RPQ-Z06751 | 5799-AHE |        | 5015       |             |             |             |    | 12 SH20-1773    | VS1                         | 2      | I      | B      |
| 0100 / 3640 SHOP FLOOR CONTROL SYSTEM    |            | 5796-BBR |        | 345        |             |             |             |    | 12 G320-6432    | DPPX                        | 1      | S      | H      |

| STATE AND LOCAL GOVERNMENT INDUSTRY APPLICATIONS |  | GBOF-3304 DAPS 1490 |          |        |            | GENERAL     |             | ENVIRONMENT |    | T I S           |                             |        |        |
|--|--|---------------------|----------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|
| PROGRAM INFORMATION                              |  | SHORT NAME          | ORDER #  | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>QR FEATURE # | P<br>L | I<br>V |
| ACTION CENTER SUPPORT SYSTEM DOS/V5              |  |                     | 5796-ALY |        | 175        |             |             |             | 24 | G320-5717       | DOS/V5,DOS/CICS/V5          | 1      | I H    |
| ACTION CENTER SUPPORT SYSTEM OS/V5               |  |                     | 5796-ALZ |        | 175        |             |             |             | 24 | G320-5717       | OS/V5,OS/CICS/V5            | 1      | I H    |
| >APPROPRIATION ACCOUNTING                        |  | BUDGET              | 5701-G22 |        | 151        |             |             |             |    | GH20-1049       | SYSTEM/3                    | 1      | I C    |
| DPCX ACCOUNTING SYSTEM / DEPARTMENTAL            |  |                     | 5798-DDL |        | 110        |             |             |             | 12 | GB21-2688       | DMS/790,DPCX                | 1      | S H    |
| >ENHANCEMENTS TO PUB BUDG/FIN REP                |  |                     | 5798-NKF |        | 81         |             |             |             | 12 | GB30-0956       | SYSTEM/3                    | 1      | S H    |
| FINANCIAL INFORMATION SYSTEM - FIS               |  | BACIS/FIS           | 5798-CYC |        | 793        |             |             |             |    | GB21-2364       | DOS/V5/VSE COBOL            | 1      | S E    |
| FINANCIAL INFORMATION SYSTEM / BACIS             |  | FIS/BACIS           | 5798-CQF |        | 1200       |             |             |             | 24 | GB21-2123       | OS/V5 COBOL                 | 1      | I H    |
| FINANCIAL INFORMATION SYSTEM / ONLINE            |  | FIS/BACIS           | 5798-CRW |        | 495        |             |             |             | 24 | GB21-2209       | CICS/OS/V5, 5798-CQF        | 1      | S H    |
| FINANCIAL INFORMATION SYSTEM ONLINE FIS          |  | BACIS/FIS           | 5798-CYB |        | 330        |             |             |             |    | GB21-2367       | DOS/V5/VSE 5798-CYC         | 1      | S E    |
| >HEALTH, WELFARE, AND PENSION FUND (DISK)        |  |                     | 5702-N11 |        | 227        |             |             |             |    | GH20-1189       | SYSTEM/3                    | 1      | I C    |
| >HEALTH, WELFARE, AND PENSION FUND MOD 6         |  |                     | 5703-N11 |        | 305        |             |             |             |    | GH20-1189       | SYSTEM/3                    | 1      | I B    |
| >JOB ANALYSIS                                    |  | JAS/32              | 5725-XX3 |        | 102        |             |             |             |    | GH30-0180       | SYSTEM/32                   | 1      | S C    |
| >JOB ANALYSIS SYSTEM (JAS/3) MOD 8/10DISK        |  | CRIT PATH           | 5702-XP1 |        | 124        |             |             |             |    | GH20-1085       | SYSTEM/3                    | 1      | S C    |
| >JOB ANALYSIS SYSTEM (JAS/34)                    |  | CPM                 | 5726-XP1 |        | 134        | 101         |             |             |    | GH30-0511       | SYSTEM/34                   | 1      | S B    |
| >LAW ENFORCEMENT CRIME REPORTS                   |  |                     | 5701-G21 |        | 100        |             |             |             |    | GH20-0891       | SYSTEM/3                    | 1      | I C    |
| >MOVING AND PARKING CITATION ACCOUNTING          |  |                     | 5701-G23 |        | 151        |             |             |             |    | GH20-1084       | SYSTEM/3                    | 1      | I C    |
| >MUNICIPAL BUDGETING & ACCTG SYS                 |  |                     | 5798-AEN |        | 379        |             |             |             | 12 | GB21-0280       | SYSTEM/3                    | 1      | S H    |
| >PUBLIC BUDGETING & ACCOUNTING APPL GOVT         |  | PBA                 | 5726-G21 |        | 323        | 242         |             |             |    | GH30-0229       | SYSTEM/34                   | 1      | I D    |
| >PUBLIC BUDGETING & FINANCIAL REP                |  |                     | 5798-NFC |        | 379        |             |             |             | 12 | GB30-0956       | SYSTEM/3                    | 1      | S H    |
| >UTILITY BILLING AND RECEIVABLES                 |  | LOCAL GOVT          | 5701-G24 |        | 100        |             |             |             |    | GH20-0882       | SYSTEM/3                    | 1      | I C    |

## TRANSPORTATION INDUSTRY APPLICATIONS

GBOF-3312 DAPS 1491

| PROGRAM INFORMATION                      | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L V |
|--|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| ACP / ACF TRANSACTIONS                   | ACP/ACF    | 5748-T11/02 |        | 2175       |             |             |             |    | GH20-2140       | 6041-6042                   | 2 S E          |
| AIRLINE CONTROL PROGRAM TESTING IN VM    | ACP/VM     | 5798-DEP    |        | 400        |             |             |             | 12 | GB21-2743       | VM/SP,VM/BSEP,VM/SE         | 1 S H          |
| AIRLINE CONTROL PROGRAM TRANSACTIONS     | ACP/TFP    | 5748-T11/01 |        | 2510       |             |             |             |    | GH20-2140       |                             | 2 S E          |
| ENERGY MANAGEMENT SYSTEM                 | EMS        | 5740-U11    |        | 6765       |             |             |             | 60 | GH20-1496       | OS/VS1                      | 2 I B          |
| FARE QUOTE / TICKETING                   |            | 5736-T11/01 |        | 5160       |             |             |             |    | GH20-0873       | ACP                         | 0 I B          |
| FARE QUOTE / TICKETING TARIFF MAINT FEA. |            | 5736-T11/02 |        | 10330      |             |             |             |    | GH20-0873       | ACP                         | 0 I B          |
| FERST/VS EQUIPMENT CONTROL               |            | 5795-AAH    |        | 1775       |             |             |             |    | GH20-4384       | OS/VS1                      | 1 I C          |
| FERST/VS EQUIPMENT CONTROL               |            | 5795-AAJ    |        | 1775       |             |             |             |    | GH20-4384       | DOS/VS                      | 1 I C          |
| FERST/VS FREIGHT BILLING                 |            | 5795-AAK    |        | 1775       |             |             |             |    | GH20-4384       | OS/VS1                      | 1 I C          |
| FERST/VS FREIGHT BILLING                 |            | 5795-AAL    |        | 1775       |             |             |             |    | GH20-4384       | DOS/VS                      | 1 I C          |
| FERST/VS RATING RATE AUDIT               |            | 5795-AAM    |        | 2025       |             |             |             |    | GH20-4394       | CICS/OS/VS                  | 1 I C          |
| FERST/VS RATING RATE AUDIT               |            | 5795-AAN    |        | 2025       |             |             |             |    | GH20-4394       | CICS/DOS/VS                 | 1 I C          |
| FLEET DATA BASE REPORTING SYSTEM         |            | 5798-CBW    |        | 200        |             |             |             | 12 | GB21-1486       | DOS/VS                      | 1 I H          |
| FREIGHT & EQUIPMENT REPORTING SYS        | FERST/VS   | 5795-AAF    |        | 634        |             |             |             |    | GH20-4384       | OS/VS1                      | 1 I C          |
| FREIGHT & EQUIPMENT REPORTING SYS        | FERST/VS   | 5795-AAG    |        | 525        |             |             |             |    | GH20-4384       | DOS/VS                      | 1 I C          |
| FREIGHT BILL AUDIT AND RATING SYSTEM     |            | 5796-AEJ    |        | 1215       |             |             |             | 24 | G320-8071       | OS/MVT                      | 2 I H          |
| FREIGHT BILL AUDITING SYSTEM             |            | 5796-AJB    |        | 350        |             |             |             | 12 | G320-8147       | DOS/VS                      | 1 I H          |
| MAINT ENGR: CATALOG INQUIRY PARTS ORDERS | M & E      | 5796-ARQ    |        | 870        |             |             |             | 24 | G320-6055       | OS/VS2                      | 1 S H          |
| MAINT ENGR: COMPONENT MAINTENANCE        | M & E      | 5796-ARR    |        | 1375       |             |             |             | 24 | G320-6055       | OS/VS2                      | 1 S H          |
| MAINT ENGR: PROBLEM CORRECTION REPORTING | M & E      | 5796-ARP    |        | 2780       |             |             |             | 24 | G320-6055       | OS/VS2                      | 1 S H          |
| MAINT ENGR: RELIABILITY                  | M & E      | 5796-ARX    |        | 505        |             |             |             | 24 | G320-6055       | OS/VS2                      | 1 S H          |
| MAINT ENGR: TIME ON PARTS / FORECASTING  | M & E      | 5796-ARW    |        | 1225       |             |             |             | 24 | G320-6055       | OS/VS2                      | 1 S H          |
| >MOTOR FREIGHT REVENUE ACCOUNTING        | MFAS       | 5725-T21    |        | 265        |             |             |             |    | GH30-0312       | SYSTEM/32                   | 1 I C          |
| >MOTOR FREIGHT REVENUE ACCOUNTING        | MFAS       | 5726-T21    |        | 304        |             |             |             |    | GH30-0413       | SYSTEM/34                   | 1 I D          |
| >PUBLIC WHSE INVTY CONTROL               |            | 5796-NTN    |        | 276        |             |             |             | 12 | GB30-1250       | SYSTEM/32                   | 1 S H          |
| >S/1 EDX CF AIRLINE SUPPORT              |            | 5798-ZZE    | P      | 50         |             |             |             | 24 | GB30-1550       | SERIES/1                    | 1 S H          |
| >S/34 ONLINE FREIGHT BILL/RATE           |            | 5796-NZX    |        | 345        |             |             |             | 12 | GB30-1461       | SYSTEM/34                   | 1 S H          |
| >VEHICLE MAINT/PARTS INVENTORY           |            | 5796-NNN    |        | 460        |             |             |             | 12 | GB30-1067       | SYSTEM/32                   | 1 S H          |
| >VEHICLE MAINTENANCE AND COST ANALYSIS   |            | 5798-AAG    |        | 132        |             |             |             | 12 | GB21-0019       | DOS                         | 0 S H          |
| >VEHICLE MAINTENANCE SCHEDULING          |            | 5798-AFY    |        | 189        |             |             |             | 12 | GB21-0325       | SYSTEM/3                    | 1 I H          |
| VEHICLE SCHEDULING PROGRAM - EXTENDED    | VSPX       | 5734-XM5    |        | 221        |             |             |             |    | GH19-2000       | OS/VS                       | 1 I C          |
| VEHICLE SCHEDULING PROGRAM - EXTENDED    | VSPX       | 5736-XM3    |        | 115        |             |             |             |    | GH19-2000       | DOS,DOS/VS                  | 1 I C          |

UTILITIES INDUSTRY APPLICATIONS GBOF-3310 DAPS 1492

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T<br>P | I<br>L | S<br>V |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|--------|--------|--------|
| >CICS/VS APPLICATION DEVELOPMENT STRUCTUR |            | 5796-BAJ    |        | 725        |             |             |             | 12 | G320-6409       | CICS/OS/VS                  | 1      | S      | H      |
| CUSTOMER INFORMATION SYSTEM DESIGN SVC    | CIS ADS    | 5712-AAA/01 |        | 2055       |             |             |             | 12 | GE20-0441       |                             |        | 0      | S      |
| CUSTOMER INFORMATION SYSTEM DESIGN SVC    | CIS ADS    | 5712-AAA/02 |        | 363        |             |             |             | 12 | GE20-0441       | 9096                        |        | 0      | S      |
| >DISTRIBUTION CONSTRUCTION INFORMATION    | DCIS ADS   | 5712-AAB    |        | 5000       |             |             |             | 12 | GE20-0613       | DOS/OS/IMS/CICS/VS          |        | 0      | S      |
| >DPPX POWER PLANT MAINTENANCE             |            | 5798-DED    |        | 170        |             |             |             | 12 | GB21-2729       | DMS/DPPX                    |        | 1      | S H    |
| GEO-FACILITIES DATA BASE SUPPORT          | RPQ-P09030 | 5799-BEB    |        | 1725       |             |             |             | 36 | GH20-2482       | IMS,5799-AYB                |        | 2      | S B    |
| GRAPHIC ONLINE DIAGRAM DISPLAY            | GOLD       | 5798-CWX    |        | 900        |             |             |             | 24 | G320-6059       | MVS/TSO VM/CMS              |        | 1      | S H    |
| INTERACTIVE GEO-FACILITIES GRAPHICS IGGS  | RPQ-P09016 | 5799-AYB    |        | 702        |             |             |             | 24 | GH20-2152       | TSO,VM & 5799-AXX           |        | 2      | S E    |
| PDQ7 V2                                   |            | 5798-CBT    |        | 2075       |             |             |             | 12 | GB21-1465       | OS/VS,FORTRAN               |        | 1      | S H    |
| >PUBLIC UTILITY CUST SERVICE SYS          |            | 5798-NQG    |        | 287        |             |             |             | 12 | GB30-1159       | SYSTEM/34                   |        | 1      | S H    |
| >S/1 CENTRAL TOLL DATA COLLEC             |            | 5798-NYG    |        | 185        |             |             |             | 12 | GB30-1651       | SERIES/1                    |        | 1      | S H    |
| >S/1 REMOTE TOLL DATA COLLEC              |            | 5798-NYH    |        | 100        |             |             |             | 12 | GB30-1653       | SERIES/1                    |        | 1      | S H    |
| >S/1 SPEC TERM INTERFACE PROCESSO         |            | 5798-RBQ    |        | 120        |             |             |             | 24 |                 | SERIES/1                    |        | 1      | S H    |
| >S/1 TEL TOLL DATA COL AE-SATT            |            | 5798-RFX    |        | 105        |             |             |             | 12 | GB30-1653       | SERIES/1                    |        | 1      | S H    |
| >S/1 TEL TOLL DATA COL NT-400             |            | 5798-RGB    |        | 105        |             |             |             | 12 | GB30-1653       | SERIES/1                    |        | 1      | S H    |
| >S/1 TEL TOLL DATA COL NT-500             |            | 5798-RFY    |        | 105        |             |             |             | 12 | GB30-1653       | SERIES/1                    |        | 1      | S H    |
| >S/1 TEL TOLL DATA COL SC-75              |            | 5798-RGC    |        | 105        |             |             |             | 12 | GB30-1653       | SERIES/1                    |        | 1      | S H    |
| >UTILITY BILLING AND RECEIVABLES          | LOCAL GOVT | 5701-G24    |        | 100        |             |             |             |    | GH20-0882       | SYSTEM/3                    |        | 1      | I C    |
| 3277 APL GRAPHICS ATTACHMENT SUPPORT      | RPQ-P09014 | 5799-AXW    |        | 84         |             |             |             |    | GH20-2146       | VSAPL:CMS,TSO,VSPC          |        | 1      | S E    |
| 3277 GRAPHICS ATTACHMENT SUPPORT          | RPQ-P09013 | 5799-AXX    |        | 84         |             |             |             |    | GH20-2147       | VM/CMS,MVS/TSO              |        | 1      | S E    |



CONSTRUCTION INDUSTRY APPLICATIONS GBOF-3305 DAPS 1493

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL<br>INFO | ENVIRONMENT<br>OR FEATURE # | T I S<br>P L Y |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------------|-----------------------------|----------------|
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS       | 5725-M62    |        | 64         |             |             |             |    | GH30-0201       | SYSTEM/32                   | 1 I C          |
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS       | 5726-M62    |        | 64         |             |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I C          |
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS/34    | 5726-M68/01 |        | 85         | 64          |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I D          |
| >COMMITTED COST/COST HISTORY FEATURE CONS | CMAS/34    | 5726-M68/02 |        | 45         | 34          |             |             |    | GH30-0707       | SYS/34, 6021                | 1 I D          |
| >COMPREHENSIVE CONSTR PR/JOB COST         |            | 5796-NQB    |        | 184        |             |             |             | 12 | GB30-1129       | 5120 SYSTEM                 | 1 S H          |
| >CONSTRUCTION ESTIMATING & BID            |            | 5796-NPQ    |        | 172        |             |             |             | 12 | GB30-1146       | SYSTEM/32                   | 1 S H          |
| >CONSTRUCTION PAYROLL/JOB COST            |            | 5796-NQA    |        | 155        |             |             |             | 12 | GB30-1126       | 5120 SYSTEM                 | 1 S H          |
| >CONTR/SUBCONTR ACCTS PAYABLE             |            | 5798-AJE    |        | 151        |             |             |             | 12 | GB21-0526       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR ACCTS RECEIVABLE          |            | 5798-AJB    |        | 126        |             |             |             | 12 | GB21-0517       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR ESTIMATING                |            | 5798-AJA    |        | 144        |             |             |             | 12 | GB21-0514       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR GENERAL LEDGER            |            | 5798-AJD    |        | 119        |             |             |             | 12 | GB21-0523       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR JOB COSTING               |            | 5798-AJC    |        | 107        |             |             |             | 12 | GB21-0520       | SYSTEM/3                    | 1 I H          |
| >CONTR/SUBCONTR PAYROLL                   |            | 5798-AJF    |        | 151        |             |             |             | 12 | GB21-0529       | SYSTEM/3                    | 1 I H          |
| >EARNING STATEMENT                        |            | 5796-ZAC    |        | 2850       |             |             |             | 01 | GB30-1534       | 5120 SYSTEM                 | 1 S H          |
| >GENERAL LEDGER CONSTRUCTION              | CMAS       | 5725-M64    |        | 51         |             |             |             |    | GH30-0201       | SYSTEM/32                   | 1 I C          |
| >GENERAL LEDGER CONSTRUCTION              | CMAS       | 5726-M64    |        | 51         |             |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I C          |
| >GENERAL LEDGER CONSTRUCTION              | CMAS/34    | 5726-M67    |        | 63         | 47          |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I D          |
| >JOB ANALYSIS                             | JAS/32     | 5725-XX3    |        | 102        |             |             |             |    | GH30-0180       | SYSTEM/32                   | 1 S C          |
| >JOB ANALYSIS SYSTEM (JAS/34)             | CPM        | 5726-XP1    |        | 134        | 101         |             |             |    | GH30-0511       | SYSTEM/34                   | 1 S B          |
| >JOB COSTING CONSTRUCTION                 | CMAS       | 5725-M61    |        | 51         |             |             |             |    | GH30-0201       | SYSTEM/32                   | 1 I C          |
| >JOB COSTING CONSTRUCTION                 | CMAS       | 5726-M61    |        | 51         |             |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I C          |
| >JOB COSTING CONSTRUCTION                 | CMAS/34    | 5726-M66    |        | 63         | 47          |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I D          |
| >PAYROLL AND LABOR COSTING CONSTRUCTION   | CMAS/34    | 5726-M69    |        | 113        | 85          |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I D          |
| >PAYROLL CONSTRUCTION                     | CMAS       | 5725-M63    |        | 89         |             |             |             |    | GH30-0201       | SYSTEM/32                   | 1 I C          |
| >PAYROLL CONSTRUCTION                     | CMAS       | 5726-M63    |        | 89         |             |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I C          |
| >REVENUE ACCOUNTING CONSTRUCTION A/R      | CMAS/34    | 5726-M6A    |        | 99         | 74          |             |             |    | GH30-0707       | SYSTEM/34                   | 1 I D          |
| >S/23 CONSTR INFO - ACCTS PAYABLE         |            | 5796-ZAR    |        | 1650       |             |             |             | 01 | GB30-1728       | SYS/23 DATAMASTER           | 1 I H          |
| >S/23 CONSTR INFO - GEN LEDG              |            | 5796-ZAT    |        | 1550       |             |             |             | 01 | GB30-1728       | SYS/23 DATAMASTER           | 1 I H          |
| >S/23 CONSTR INFO - JOB COST              |            | 5796-ZAP    |        | 1550       |             |             |             | 01 | GB30-1728       | SYS/23 DATAMASTER           | 1 I H          |
| >S/23 CONSTR INFO - PAYROLL               |            | 5796-ZAQ    |        | 1750       |             |             |             | 01 | GB30-1728       | SYS/23 DATAMASTER           | 1 I H          |
| >S/23 ESTIM & COST TRACKING SYS           |            | 5793-AAC    |        | 2995       |             |             |             | 01 | GB30-1758       | SYS/23 DATAMASTER           | 1 I H          |
| >S/34 CONSTR ESTIM SYS - ELEC             |            | 5796-NXH    |        | 1060       |             |             |             | 12 | GB30-1572       | SYSTEM/34                   | 1 S H          |
| >S/34 CONSTRUCTION EST - CONTROL          |            | 5796-NXE    |        | 391        |             |             |             | 12 | GB30-1355       | SYSTEM/34                   | 1 S H          |
| >S/34 CONSTRUCTION EST - GEN CONT         |            | 5796-NXF    |        | 517        |             |             |             | 12 | GB30-1355       | SYSTEM/34                   | 1 S H          |
| >S/34 CONSTRUCTION EST-MGR EXTENS         |            | 5796-NYE    |        | 460        |             |             |             | 12 | GB30-1355       | SYSTEM/34                   | 1 S H          |
| >5110 HOME BLDGS MGMT SYS                 |            | 5796-ZAB    |        | 6900       |             |             |             | 01 | GB30-1521       | 5120 SYSTEM                 | 1 S H          |
| >5110/5120 BLDR/REMOD ESTIM SYS           |            | 5793-AAB    |        | 5520       |             |             |             | 01 | GB30-1520       | 5120 SYSTEM                 | 1 S H          |
| >5120 CONSTRUCT INFO SYS - A/P            |            | 5796-ZAD    |        | 2365       |             |             |             | 01 | GB30-1534       | 5120 SYSTEM                 | 1 S H          |
| >5120 CONSTRUCT INFO SYS - G/L            |            | 5796-ZAF    |        | 2025       |             |             |             | 01 | GB30-1534       | 5120 SYSTEM                 | 1 S H          |
| >5120 CONSTRUCT INFO SYS - J/C            |            | 5796-ZAE    |        | 2035       |             |             |             | 01 | GB30-1534       | 5120 SYSTEM                 | 1 S H          |

CONSTRUCTION INDUSTRY APPLICATIONS

GBOF-3305 DAPS 1493 (CONT.)

PROGRAM INFORMATION

SHORT NAME ORDER #

T LIC DSLO LLPS MLPS GENERAL ENVIRONMENT T I S  
C FEE FEE FEE FEE MD INFO OR FEATURE # P L V

>5280 CONSTR DATA ENTRY/EDIT

5798-RBZ

50

12

GB30-1516

5280 DATA SYSTEM

1 S H

HUMAN RESOURCE INDUSTRY APPLICATIONS

GBOF-3317 DAPS 1494

| <u>PROGRAM INFORMATION</u>                | <u>SHORT NAME</u> | <u>ORDER #</u>  | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u> | <u>ENVIRONMENT</u> | <u>T I S</u>            |              |
|---|-------------------|-----------------|----------|------------|-------------|-------------|-------------|----------------|--------------------|-------------------------|--------------|
|   |                   |                 | <u>C</u> | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  | <u>MO</u>      | <u>INFO</u>        | <u>OR FEATURE #</u>     | <u>P L V</u> |
| CAREER GUIDANCE SYSTEM: ADULTS / COLLEGE  | DISCOVER          | 5796-AYC        |          | 250        |             |             |             | 24             | G320-6176          | 5796-AYA                | 1 S H        |
| CAREER GUIDANCE SYSTEM: SECONDARY SCHOOL  | DISCOVER          | 5796-AYB        |          | 250        |             |             |             | 24             | G320-6176          | 5796-AYA                | 1 S H        |
| DISCOVER: CAREER GUIDANCE SYSTEM - BASE   |                   | 5796-AYA        |          | 750        |             |             |             | 24             | G320-6176          | DOS/VSE VS1             | 1 S H        |
| DPCX EMPLOYMENT SERVICE JOB BROWSE        |                   | 5798-DCY        |          | 90         |             |             |             | 12             | GB21-2659          | 8100/DPCX               | 1 S H        |
| <u>FINANCIAL INFORMATION SYSTEM - FIS</u> | <u>BACIS/FIS</u>  | <u>5798-CYC</u> |          | <u>793</u> |             |             |             |                | <u>GB21-2364</u>   | <u>DOS/VS/VSE COBOL</u> | <u>1 S E</u> |
| FINANCIAL INFORMATION SYSTEM / BACIS      | FIS/BACIS         | 5798-CQF        |          | 1200       |             |             |             | 24             | GB21-2123          | OS/VS COBOL             | 1 I H        |
| FINANCIAL INFORMATION SYSTEM / ONLINE     | FIS/BACIS         | 5798-CRW        |          | 495        |             |             |             | 24             | GB21-2209          | CICS/OS/VS, 5798-CQF    | 1 S H        |
| FINANCIAL INFORMATION SYSTEM ONLINE FIS   | BACIS/FIS         | 5798-CYB        |          | 330        |             |             |             |                | GB21-2367          | DOS/VS/VSE 5798-CYC     | 1 S E        |

CPA AND LEGAL INDUSTRY APPLICATIONS GBOF-3311 DAPS 1495

| PROGRAM INFORMATION                       | SHORT NAME | ORDER #     | T<br>C | LIC<br>FEE | DSLO<br>FEE | LLPS<br>FEE | MLPS<br>FEE | MO | GENERAL   | ENVIRONMENT       | T I S |
|---|------------|-------------|--------|------------|-------------|-------------|-------------|----|-----------|-------------------|-------|
|   |            |             |        |            |             |             |             |    | INFO      | OR FEATURE #      | P L V |
| >APPROPRIATION ACCOUNTING                 | BUDGET     | 5701-G22    |        | 151        |             |             |             |    | GH20-1049 | SYSTEM/3          | 1 I C |
| >CLIENT ACCOUNT & FINANCIAL REPORT SYS II | CAFRS II   | 5726-C22    |        | 195        | 146         |             |             |    | GH30-0230 | SYSTEM/34         | 1 I D |
| >CLIENT ACCOUNT & FINANCIAL REPORTING SYS | CAFRS      | 5726-C21    |        | 170        |             |             |             |    | GH30-0230 | SYSTEM/34         | 1 I C |
| >CLIENT ACCOUNTING & FINANCIAL REPORTING  | CAFRS CPA  | 5725-C21    | R      | 170        |             |             |             |    | GH30-0306 | SYSTEM/32         | 1 I C |
| >COMPUTING FOR AN ACCTG PRACTICE          |            | 5798-NRE    |        | 166        |             |             |             | 12 | GB30-1205 | 5120 SYSTEM       | 1 S H |
| >MANAGEMENT SYSTEM FOR LAW FIRMS          | LEGAL      | 5726-F52    |        | 377        |             |             |             |    | GH30-0124 | SYSTEM/34         | 1 I D |
| >O/L ENTRY & INQUIRY - LAW FIRMS          |            | 5798-NQZ    |        | 104        |             |             |             | 12 | GB30-1200 | SYSTEM/34         | 1 S H |
| STAIRS INPUT FORMATTER                    | DISOSS     | 5740-XY9/03 |        | 208        |             |             |             |    | GH12-5124 | 6109-6110         | 2 S B |
| STAIRS TO ATMS TRANSFER EXTENDED          |            | 5798-DEE    |        | 105        |             |             |             | 12 | GB21-2731 | CICS/OS-DOS/V5    | 1 S H |
| STAIRS/V5 MULTIPLE INVERTED KEYS          |            | 5785-DCE    |        | 500        |             |             |             | 12 | GB21-2657 | OS/V5             | 1 S H |
| STAIRS/V5 THESAURUS GENERATOR - TLS       | RPQ-P71045 | 5799-AQL    |        | 175        |             |             |             |    | GH20-1908 | OS/V51,OS/V52     | 1 S C |
| STAIRS/V5 THESAURUS RETRIEVAL - TLS       | RPQ-P71044 | 5799-AQK    |        | 417        |             |             |             |    | GH20-1908 | VS1,VS2,STAIRS/V5 | 1 S B |
| STAIRS/V5 TRAINING COURSE                 | STAIRS     | 5796-PLF    |        | 250        |             |             |             | 12 | G320-6078 | IIS,IIPS          | 1 L H |
| STORAGE & INFORMATION RETRIEVAL SYSTEM    | STAIRS/V5  | 5740-XR1    |        | 1020       |             |             |             |    | GH12-5114 | OS/V51,OS/V52     | 2 S B |
| STORAGE & INFORMATION RETRIEVAL SYSTEM    | STAIRS/V5  | 5746-XR4    |        | 834        |             |             |             |    | GH20-1832 | CICS/DOS/V5       | 2 S B |
| STORAGE & INFORMATION RETRIEVAL SYSTEM    | STAIRS/CMS | 5785-CAH    |        | 250        |             |             |             |    | GB21-2767 | VM/CMS            | 1 S E |
| >SYSTEM/23 CLIENT ACCOUNTING CPA          |            | 5715-CA1    |        | 2050       |             |             |             | 01 | GB30-2796 | SYS/23 DATAMASTER | 1 I E |
| >5120 ATTY INFO MGMT SYS                  |            | 5796-ZAG    |        | 8280       |             |             |             | 01 | GB30-1547 | 5120 SYSTEM       | 1 S H |

AGRI-BUSINESS INDUSTRY APPLICATIONS

GBDF-3314 DAPS 1496

| <u>PROGRAM INFORMATION</u>       | <u>SHORT NAME ORDER #</u> | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u> | <u>ENVIRONMENT</u>  | <u>T I S</u>            |
|----------------------------------|---------------------------|----------|------------|-------------|-------------|-------------|----------------|---------------------|-------------------------|
|                                  |                           | <u>Q</u> | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  | <u>MO</u>      | <u>DR FEATURE #</u> | <u>P L Y</u>            |
| >S/23 CROP COSTING SYSTEM        | 5798-RGY                  |          | 2000       |             |             |             | 01             | GB30-1766           | SYS/23 DATAMASTER 1 I H |
| >S/23 DAIRY HERD/HEALTH MGMT SYS | 5796-ZAX                  |          | 2000       |             |             |             | 01             | GB30-1780           | SYS/23 DATAMASTER 1 I H |
| >S/23 FARM MGMT ACCTG SYSTEM     | 5796-ZAY                  |          | 3000       |             |             |             | 01             | GB30-1777           | SYS/23 DATAMASTER 1 I H |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >ASYNCHRONOUS COMMUNICATION               |            | 5608-SR1     | Q   | 120     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >BINARY SYNCHRONOUS COMMUNICATION         |            | 5608-SR2     | Q   | 120     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >MAGNETIC CARD CONVERSION                 |            | 5608-SR3     | Q   | 180     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >LANGUAGEPACK                             |            | 5608-SR4     | Q   | 180     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >REPORTPACK                               |            | 5608-SR5     | Q   | 180     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >3270 COMPATIBILITY                       |            | 5608-SR6     | Q   | 300     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >LANGUAGEPACK 2                           |            | 5608-SR7     | Q   | 240     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >TEXTPACK 1                               |            | 5608-TR1     | Q   | 180     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >TEXTPACK 2                               |            | 5608-TR2     | Q   | 192     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >TEXTPACK 3                               |            | 5608-TR3     | Q   | 300     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >TEXTPACK 4                               |            | 5608-TR3     | Q   | 336     |          |          |          |    | G544-0851    | DISPLAYWRITER            | Y S E       |
| >ADMINISTRAT PROCESSING PROG LIC M/R CODE |            | 5611-SS1     |     | 389     |          |          |          |    | GC23-0734    | 5520 ADMIN. SYSTEM       | 1 S A       |
| >ADMIN PROCESSING PROGRAM VERSION 2       |            | 5611-SS2     |     | 339     |          |          |          |    | GC23-0728    | 5520 ADMIN. SYSTEM       | 1 S A       |
| OS/VSI RELEASE 7                          |            | 5652-VS1     |     |         |          |          |          |    | GC30-3057    | OS/VSI RELEASE 7         | 2 S J       |
| 3694 INDEPENDENT RELEASE                  |            | 5658-001     |     |         |          |          |          |    | GC31-0013    | OS/VSI, DQS/VSE          | 0 S S       |
| DPPX DISTRIBUTED PRESENTATION SERVICES    | DPS        | 5660-264/01  |     | 53      | 39       | 14       | 22       |    | GC33-0122    | DPPX                     | 1 S K       |
| DPPX INTERACTIVE MAP DEFINITION FEATURE   | IMD        | 5660-264/02  |     | 151     | 113      | 16       | 25       |    | GC33-0122    | 6000                     | 1 S K       |
| DMS / DPPX EXECUTION FACILITY             | DMS/DPPX   | 5660-265     |     | 16      | 12       | 12       | 19       |    | GH20-2438    | DPPX/BASE                | 1 S K       |
| 3640 PRESENTATION SERVICES EXECUTION MGR  | PS3640     | 5660-267/01  |     | 61      | 45       | 16       | 26       |    | GC31-0010    | DPPX/BASE                | 1 S K       |
| 3640 PS INTERACTIVE TRANSACTION GENERATR  | PS3640     | 5660-267/02  |     | 253     | 189      | 44       | 70       |    | GC31-0010    | 6002                     | 1 S K       |
| DPPX INTERACTIVE PRODUCTIVITY FACILITY    | IPF/DPPX   | 5660-271     |     | 32      | 24       | 9        | 14       |    | GC27-0400    | DPPX/BASE WITH 6006      | 1 S K       |
| >DPPX PROBLEM DETERMINATION AID           | PDA        | 5660-272     |     | 25      | 18       | 8        | 13       |    | GC27-0400    | DPPX+NPDA-V2             | 1 S K       |
| >DPPX PROGRAMMED OPERATOR FACILITY        |            | 5660-273     |     | 580     | 435      | 5        | 8        | 01 |              | DPPX/BASE                | 1 S K       |
| >IBM HOTEL FRONT OFFICE SYSTEM            |            | 5660-274     | P   | 475     |          |          |          |    | 48 GH20-5506 | DMS/DPPX, DPPX/COBOL     | 3 S E       |
| DISTRIBUTED OFFICE SUPPORT / 8100 / DQSF  | DISOSS     | 5661-172     |     | 164     | 123      | 32       | 51       |    | GH12-5139    | DPCX AND DQSF            | 2 S K       |
| OS/VSI BASIC PROGRAMMING EXTENSIONS       | BASIC      | 5662-257     |     | 189     | 141      | 35       | 56       |    | GC24-5218    | OS/VSI REL 7             | 1 S K       |
| >TELEPROCESSING NETWORK SIMULATOR         | TPNS       | 5662-262     |     | 1450    |          |          |          |    | GH20-2487    | OS/VSI                   | 1 I B       |
| >ACF/VTAM - VERSION 2                     | VTAM V2    | 5662-280/01  | P   | 520     | 390      | 80       | 128      |    | GC27-0608    | OS/VSI                   | 2 S K       |
| >ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE    | VTAM V2    | 5662-280/02  |     | 190     | 142      | 5        | 8        |    | GC27-0608    | 6000                     | 1 S K       |
| VM SYSTEM PRODUCT - SP & XEDIT            | VM/SP      | 5664-167     |     | 330     | 247      | 50       | 80       |    | GC20-1838    | VM/CMS REL 6             | 2 S K       |
| >VM/XA MIGRATION AID FOR MVS/XA           |            | 5664-169     | P   | 3500    | 2625     | 500      | 800      |    |              | MVS/SP, MVS/XA, CMS      | 2 S K       |
| >VM/SP HIGH PERFORMANCE OPTION            | HPO        | 5664-173     | P   | 1400    | 1050     | 100      | 160      |    |              | VM/SP+MVS/SP             | 2 S K       |
| >RESOURCE MEASUREMENT FACILITY VERSION 3  | RMF        | 5665-274     | P   | 700     | 525      | 50       | 80       |    | GC28-1115    | MVS/XA                   | 2 S K       |
| >INFORMATION / LIBRARY                    |            | 5665-277     | P   | 156     | 117      | 12       | 19       |    | GH12-5136    | MVS, NCCF/TSD            | 1 S K       |
| >BTAM/SYSTEM PRODUCT                      | BTAM/SP    | 5665-279     |     | 4920    | 3690     | 10       | 16       | 01 | GC27-0599    | MVS, MVS/XA              | 2 S K       |
| >ACF/VTAM - VERSION 2                     | VTAM V2    | 5665-280/01  | P   | 915     | 686      | 175      | 280      |    | GC27-0608    | MVS, MVS/XA              | 2 S K       |
| >ACF/VTAM - V2 ENCRYPT/DECRYPT FEATURE    | VTAM V2    | 5665-280/02  |     | 190     | 142      | 5        | 8        |    | GC27-0608    | 6000                     | 1 S K       |
| VIRTUAL STORAGE PERSONAL COMPUTING - V2   | VSPC       | 5665-283     |     | 1635    | 1225     | 160      | 256      |    | GH20-9192    | MVS                      | 1 S K       |
| >DATA FACILITY PRODUCT                    | DFP        | 5665-284     | P   | 450     | 337      | 60       | 96       |    | GC26-4007    | MVS/XA                   | 2 S K       |
| >TSO EXTENSIONS FOR MVS                   | TSO/E      | 5665-285     | P   | 425     | 326      | 65       | 104      |    | GC28-1061    | MVS/SP VERSION 1         | 2 S K       |

| PROGRAM INFORMATION                        | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S | P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------|-------|
| >OPERATOR COMMUNICATION FACILITY           | OCCF       | 5665-288     | P   | 300     | 225      | 7        | 11       |    | GC24-5225    | MVS,NCCF,ACF/VTAM        | 1     | S K   |
| >MVS/SP/JES3 VERSION 2                     | JES3       | 5665-291     | P   | 4500    | 3375     | 1000     | 1600     |    |              | MVS/XA, 5665-284         | 2     | S K   |
| >TSO EXTENSIONS FOR MVS/XA                 | TSO/E      | 5665-293     | P   | 520     | 390      | 80       | 128      |    | GC28-1061    | MVS/SP VERSION 2         | 2     | S K   |
| >LIBRARY / MVS                             | LIBRARY/MV | 5665-294     | P   | 100     | 75       |          |          |    | GH12-5136    | MVS,NCCF/TSO             | 1     | S     |
| >DISTRIBUTED OFFICE SUPPORT / 370 REL 1    | DISOSS/VSE | 5666-264     |     | 906     | 679      | 160      | 256      |    | GH12-5137    | DOS/VSE                  | 2     | S K   |
| >SMALL SYSTEM EXECUTIVE/VSE                | SSX/VSE    | 5666-265     | R   | 1000    | 750      | 90       | 144      |    | GC33-6143    |                          | 2     | S K   |
| >4700 FINANCE SYSTEM COBOL                 |            | 5666-266     |     | 325     | 243      | 56       | 90       |    | GL23-0078    | DOS/VSE                  | 1     | S K   |
| >VSE/POWER VERSION 2                       | POWER      | 5666-273/01  | P   | 100     | 75       | 20       | 32       |    | GH12-5131    | DOS/VSE,VSE/AF           | 1     | S K   |
| >VSE/POWER SHARED POOLING                  | POWER      | 5666-273/02  |     | 38      | 28       | 7        | 11       |    | GH12-5131    |                          | 1     | S K   |
| >SSX/VSE RPG II COMPILER                   |            | 5666-274     |     | 131     | 98       | 5        | 8        |    | GC33-6143    | SSX/VSE                  | 1     | S K   |
| >SSX/VSE DL/I                              |            | 5666-275     |     | 372     | 279      | 110      | 176      |    | GC33-6143    | SSX/VSE                  | 2     | S K   |
| >SSX/VSE PL/I OPTIMIZER & LIBRARY          |            | 5666-276     |     | 322     | 241      | 41       | 66       |    | GC33-6143    | SSX/VSE                  | 1     | S K   |
| >SSX/VSE PL/I TRANSIENT LIBRARY            |            | 5666-277     |     | 32      | 24       | 5        | 8        |    | GC33-6143    | SSX/VSE                  | 1     | S K   |
| >ACF/VTAM - VERSION 2                      | VTAM V2    | 5666-280     | P   | 220     | 165      | 50       | 80       |    | GC27-0608    | DOS/VSE,VSE/AF           | 2     | S K   |
| >DIRECT ACCESS STORAGE DEVICE MIGRATION    | DASD AID   | 5668-002     |     | 1150    |          |          |          | 01 | GC26-3972    | OS/VS,5740-SM1           | 0     | I C   |
| >DOCUMENT INTERCHANGE FACILITY - CENTRAL   | DIF        | 5668-003     |     | 373     |          |          |          |    | GH20-2440    | OS/VS,DOS/VSE,DLF        | 1     | S B   |
| >DOCUMENT INTERCHANGE - DISTRIBUTED        | DIF        | 5668-004     |     | 40      |          |          |          |    | GC27-0546    | DOSF/8100, 3730          | 1     | S B   |
| >DOWNSTREAM LOAD UTILITY                   | DSL        | 5668-006     |     | 93      | 69       | 5        | 8        |    | GC33-6125    | DOS/VSE,OS/VSE           | 1     | S K   |
| >COMMUNICATION ORIENTED MESSAGE SYSTEM     | CORMES     | 5668-007     |     | 417     |          |          |          |    | GH12-5127    | OS/VS CICS DL/I          | 1     | S E   |
| >SYSTEM PRODUCTIVITY FACILITY              | SPF        | 5668-009     |     | 226     | 169      | 36       | 58       |    | GC34-2039    | MVS/TSO,VM/SP            | 1     | S K   |
| >INTERACTIVE INSTRUCTIONAL AUTHORIZING     | IIAS       | 5668-011     |     | 373     |          |          |          |    | GH20-2446    | OS/VS,DOS/VSE,VM/CMS     | 2     | S B   |
| >INTERACTIVE INSTRUCTIONAL PRESENTATION    | IIPS       | 5668-012     |     | 218     |          |          |          |    | GH20-2446    | OS/VS,DOS/VSE,VM/CMS     | 2     | S B   |
| >INTERACTIVE DISPLAY TEXT FACILITY         | IDTF       | 5668-956     |     | 80      | 60       |          |          |    | GC33-0137    | DOSF,DPCX                | 1     | S E   |
| >DIGITAL INTERACTIVE GRAPHICS / MAPPING    |            | 5668-959     |     | 600     |          |          |          |    | GH20-5508    | 5799-AYB                 | 1     | S B   |
| >QS ASSEMBLER H                            |            | 5668-962     | P   | 145     | 108      | 5        | 8        |    |              | OS/VS,MVS/XA,VM/SP       | 1     | S K   |
| >FINANCIAL: POSTING & GENERAL LEDGER       | IFS-1      | 5668-967     |     | 805     |          |          |          |    | GH20-2467    | OS/VS,IMS/CICS/VS        | 1     | S B   |
| >FINANCIAL: STATUS - P&L BALANCE SHEET     | IFS-2      | 5668-968     |     | 184     |          |          |          |    | GH20-2467    | OS/VS,IMS/CICS/VS        | 1     | S B   |
| >FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P   | IFS-3      | 5668-969     |     | 356     |          |          |          |    | GH20-2467    | OS/VS,IMS/CICS/VS        | 1     | S B   |
| >FINANCIAL: PAYMENT PROCESSING A/P         | IFS-4      | 5668-970     |     | 264     |          |          |          |    | GH20-2467    | OS/VS,IMS/CICS/VS        | 1     | S B   |
| >GRAPHICS ACCESS METHOD / SYSTEM PRODUCT   | GAM/SP     | 5668-978     |     | 400     | 300      |          |          |    | GC33-0125    | VM/SP FOR 3250/2250      | 1     | S L   |
| >SERIES/1 COMMUNICATIONS FACILITY/HOST     |            | 5668-979     | P   | 175     |          |          |          |    |              | EDX,OS/VS,DOS/VSE        | 1     | S B   |
| >X.25 NCP PACKET SWITCHING INTERFACE       |            | 5668-981     |     | 190     | 142      | 30       | 48       |    | GC30-9545    | ACF/NCP/VS               | 2     | S K   |
| >DISTRIBUTED OFFICE SUPPORT / 370 VER 2    | DISOSS/370 | 5668-982     |     | 975     | 731      | 185      | 296      |    | GH12-5139    | OS/VS                    | 2     | S K   |
| >NETWORK PROBLEM DETERMINATION APPLICATION | NPDA-V2    | 5668-983/01  |     | 80      | 60       | 21       | 34       |    | GC34-2061    | VSE,OS/VS,VM,NCCF        | 1     | S K   |
| >3600 THRESHOLD ANALYSIS / REMOTE ACCESS   | 6008       | 5668-983/02  |     | 138     | 103      | 15       | 24       |    | GC34-2061    |                          | 2     | S K   |
| >HOST COMMAND FACILITY DPPX DPCX           | HCF-V2     | 5668-985     |     | 150     | 112      | 30       | 48       |    | GC27-0453    | DOS/VSE,OS/VSE           | 1     | S K   |
| >DISTRIBUTED SYSTEMS EXECUTIVE VER 2       | DSX        | 5668-986     | P   | 380     | 285      | 41       | 65       |    | GH19-6229    | OS/VS,DOS/VSE            | 1     | S K   |
| >4700 FINANCE SYSTEM - COBOL               |            | 5668-937     |     | 450     | 337      | 69       | 110      |    | GL23-0078    | OS/VS                    | 1     | S K   |
| >4700 FINANCE SYSTEM - HOST                |            | 5668-939     |     | 550     | 412      | 153      | 245      |    | GC31-2016    | OS/VS,DOS/VSE            | 1     | S K   |
| >3644 PARAMETER TABLE GENERATION FACILITY  | GEN3644    | 5668-998     |     | 63      | 47       | 6        | 10       |    | GC31-0009    | DOS/VSE,OS/VSE1          | 1     | S K   |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL   | ENVIRONMENT  | T I S |
|---|------------|--------------|-----|---------|----------|----------|----------|----|-----------|--------------|-------|
|   |            |              |     |         |          |          |          |    | INFO      | OR FEATURE # | P L V |
| >UNIT INVENTORY TECHNIQUES                | RETAIL     | 5701-D11     |     | 94      |          |          |          |    | GH20-0931 | SYSTEM/3     | 1 I C |
| >APPAREL BUSINESS CONTROL                 |            | 5701-D12     |     | 94      |          |          |          |    | GH20-0822 | SYSTEM/3     | 1 I C |
| >OPTIMUM BLENDING PROCESS                 | LINEAR/PRO | 5701-D51     |     | 113     |          |          |          |    | GH20-0933 | SYSTEM/3     | 1 I C |
| >LAW ENFORCEMENT CRIME REPORTS            |            | 5701-G21     |     | 100     |          |          |          |    | GH20-0891 | SYSTEM/3     | 1 I C |
| >APPROPRIATION ACCOUNTING                 | BUDGET     | 5701-G22     |     | 151     |          |          |          |    | GH20-1049 | SYSTEM/3     | 1 I C |
| >MOVING AND PARKING CITATION ACCOUNTING   |            | 5701-G23     |     | 151     |          |          |          |    | GH20-1084 | SYSTEM/3     | 1 I C |
| >UTILITY BILLING AND RECEIVABLES          | LOCAL GOVT | 5701-G24     |     | 100     |          |          |          |    | GH20-0882 | SYSTEM/3     | 1 I C |
| >INVENTORY AND STOCK STATUS PROCESSING    | INVEN MGMT | 5701-M41     |     | 63      |          |          |          |    | GH20-0741 | SYSTEM/3     | 1 I C |
| >CARD B/M AND REQUIREMENTS PLANNING MFG   |            | 5701-M42     |     | 82      |          |          |          |    | GH20-0770 | SYSTEM/3     | 1 I C |
| >CARD RPG II MODEL 10 CARD                |            | 5701-RG1/01  |     | 43      |          |          |          |    | SC21-7518 | SYSTEM/3     | 1 I C |
| >BSCA SUPPORT FEATURE MOD 10 CARD         |            | 5701-RG1/02  |     | 44      |          |          | 01       |    | SC21-7507 | 6000         | 1 I C |
| >TAPE SUPPORT FEATURE MOD 10 CARD         |            | 5701-RG1/03  |     | 38      |          |          |          |    | GC21-5040 | 6004         | 1 I C |
| >SYSTEM CONTROL PROGRAM MOD 10 CARD       | SCP        | 5701-SC1     |     |         |          |          |          |    | SV21-0513 | SYSTEM/3     | 0 S C |
| >TAPE SORT PROGRAM MOD 10 CARD            |            | 5701-SM1     |     | 87      |          |          |          |    | GC21-5040 | SYSTEM/3     | 1 S C |
| >UTILITIES MOD 10 CARD                    |            | 5701-UT1     |     | 12      |          |          |          |    | SC21-7518 | SYSTEM/3     | 1 S C |
| >BASIC ASSEMBLER MOD 8/10 DISK            |            | 5702-A51     |     | 104     |          |          |          |    | SC21-7509 | SYSTEM/3     | 1 S C |
| >SUBSET ANS COBOL MOD 8/10 DISK           |            | 5702-CB1     |     | 108     |          |          |          |    | GC28-6452 | SYSTEM/3     | 1 S C |
| >DISK FORTRAN IV MOD 8/10 DISK            |            | 5702-F01     |     | 126     |          |          |          |    | SC28-6974 | SYSTEM/3     | 1 S C |
| >BILL-OF-MATERIAL PROCESSOR MFG.          |            | 5702-M41     |     | 81      |          |          |          |    | GC20-0965 | SYSTEM/3     | 1 I B |
| >SHOP LOADING AND CONTROL MFG.            |            | 5702-M51     |     | 215     |          |          |          |    | GH20-1240 | SYSTEM/3     | 1 I B |
| >INVENTORY AND REQUIREMENTS PLANNING MFG. | IRP        | 5702-M52     |     | 124     |          |          |          |    | GH20-0971 | SYSTEM/3     | 1 S B |
| >HEALTH, WELFARE, AND PENSION FUND (DISK) |            | 5702-N11     |     | 227     |          |          |          |    | GH20-1189 | SYSTEM/3     | 1 I C |
| >DISK RPG II MOD 8/10 DISK                |            | 5702-RG1/01  |     | 62      |          |          |          |    | GC21-7514 | SYSTEM/3     | 1 S C |
| >BSCA SUPPORT FEATURE MOD 8/10 DISK       |            | 5702-RG1/02  |     | 53      |          |          |          |    | SC21-7507 | 6000/2       | 1 S C |
| >5445 SUPPORT FEATURE MOD 10 DISK         |            | 5702-RG1/03  |     | 45      |          |          |          |    | GC21-5081 | 6012/14      | 1 S C |
| >TAPE SUPPORT FEATURE MOD 8/10 DISK       |            | 5702-RG1/04  |     | 45      |          |          |          |    | GC21-5040 | 6016/18      | 1 S C |
| >AUTO REPORT SUPPORT FEATURE MOD 8/10DISK |            | 5702-RG1/05  |     | 20      |          |          |          |    | GC21-7563 | 6028/29      | 1 S C |
| >3270 DCF FEATURE MOD 10 DISK             |            | 5702-RG1/06  |     | 29      |          |          |          |    | SC21-5161 | 6070         | 1 S C |
| >SYSTEM CONTROL PROGRAM MOD 8/10 DISK     | SCP        | 5702-SC1     |     |         |          |          |          |    | GC21-7578 | SYSTEM/3     | 0 S C |
| >DISK SORT MOD 8/10 DISK                  |            | 5702-SM1/01  |     | 12      |          |          |          |    | SC21-7522 | SYSTEM/3     | 1 S C |
| >5445 SUPPORT FEATURE MOD 10 DISK         |            | 5702-SM1/02  |     | 72      |          |          |          |    | GC21-5194 | 6008/10      | 1 S C |
| >TAPE SORT PROGRAM MOD 8/10 DISK          |            | 5702-SM2     |     | 87      |          |          |          |    | SC21-7572 | SYSTEM/3     | 1 S C |
| >DISK RESIDENT CARD UTILITIES MOD 8/10 D  |            | 5702-UT1     |     | 12      |          |          |          |    | SC21-7529 | SYSTEM/3     | 1 S C |
| >1255 UTILITY MOD 8/10 DISK               | MICR UTIL  | 5702-UT2     |     | 86      |          |          |          |    | SC21-7521 | SYSTEM/3     | 1 S C |
| >JOB ANALYSIS SYSTEM (JAS/3) MOD 8/10DISK | CRIT PATH  | 5702-XP1     |     | 124     |          |          |          |    | GH20-1085 | SYSTEM/3     | 1 S C |
| >DATA ENTRY AND FILE MAINT MOD 8/10 DISK  | DATA/3     | 5702-XX1     |     | 171     |          |          |          |    | SC21-5102 | SYSTEM/3     | 1 S C |
| >DISK FORTRAN IV MOD 6                    |            | 5703-F01     |     | 138     |          |          |          |    | SC28-6874 | SYSTEM/3     | 1 S C |
| >HEALTH, WELFARE, AND PENSION FUND MOD 6  |            | 5703-N11     |     | 305     |          |          |          |    | GH20-1189 | SYSTEM/3     | 1 I B |
| >MODEL 6 RPG II MOD 6                     |            | 5703-RG1/01  |     | 46      |          |          |          |    | GC21-7514 | SYSTEM/3     | 1 S C |
| >BSCA SUPPORT FEATURE MOD 6               |            | 5703-RG1/02  |     | 53      |          |          | 01       |    | GC21-7507 | 6000/2       | 1 S C |



| <u>PROGRAM INFORMATION</u>             | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|--|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| >AUTO REPORT SUPPORT FEATURE MOD 6     |                   | 5703-RG1/03         |            | 20             |                 |                 |                 |           | GC21-7563           | 6008/9                          | 1 S C              |
| >3270 DISPLAY CONTROL MOD 6            |                   | 5703-RG1/04         |            | 29             |                 |                 |                 |           | SC21-5161           | 60303                           | 1 S C              |
| >SYSTEM CONTROL PROGRAM MOD 6          | SCP               | 5703-SC1            |            |                |                 |                 |                 |           | GC21-7578           | SYSTEM/3                        | 0 S C              |
| >DISK SORT MOD 6                       |                   | 5703-SM1            |            | 12             |                 |                 |                 |           | SC21-7522           | SYSTEM/3                        | 1 S C              |
| >CCP/DISK SORT MOD 6                   |                   | 5703-SM2            |            | 17             |                 |                 |                 |           | GC21-7522           | SYSTEM/3                        | 1 S C              |
| >CONVERSATIONAL UTILITIES MOD 6        |                   | 5703-UT1            |            | 18             |                 |                 |                 |           | SC21-7528           | SYSTEM/3                        | 1 S C              |
| >1255 UTILITY MOD 6                    | MICR UTIL         | 5703-UT2            |            | 100            |                 |                 |                 |           | SC21-7527           | SYSTEM/3                        | 1 S C              |
| >STAT/BASIC MOD 6                      |                   | 5703-XA1            |            | 53             |                 |                 |                 |           | GH20-1027           | SYSTEM/3                        | 1 S C              |
| >BASIC MOD 6                           |                   | 5703-XM1            |            | 146            |                 |                 |                 |           | GC34-0001           | SYSTEM/3                        | 1 S C              |
| >MATH/BASIC MOD 6                      |                   | 5703-XM2            |            | 62             |                 |                 |                 |           | GH20-1128           | SYSTEM/3                        | 1 S C              |
| >BUSINESS ANALYSIS/BASIC MOD 6         |                   | 5703-XM3            |            | 70             |                 |                 |                 |           | GH20-1175           | SYSTEM/3                        | 1 S C              |
| >BASIC ASSEMBLER - 15ABC               |                   | 5704-AS1            |            | 152            |                 |                 |                 |           | SC21-7509           | SYSTEM/3                        | 1 S C              |
| >BASIC ASSEMBLER - 15D                 |                   | 5704-AS2            |            | 192            |                 |                 |                 |           | GA21-9236           | SYSTEM/3                        | 1 S A              |
| >ANS COBOL - 15ABC                     |                   | 5704-CB1            |            | 121            |                 |                 |                 |           | GC28-6452           | SYSTEM/3                        | 1 S C              |
| >ANS COBOL - 15D                       |                   | 5704-CB2            |            | 192            |                 |                 |                 |           | GC21-7571           | SYSTEM/3                        | 1 S A              |
| >FORTRAN IV - 15ABC                    |                   | 5704-FO1            |            | 162            |                 |                 |                 |           | SC28-6874           | SYSTEM/3                        | 1 S C              |
| >FORTRAN IV - 15D                      |                   | 5704-FO2            |            | 257            |                 |                 |                 |           | SC28-6875           | SYSTEM/3                        | 1 S A              |
| >RPG II - 15ABC                        |                   | 5704-RG1/01         |            | 121            |                 |                 |                 |           | GC21-7514           | SYSTEM/3                        | 1 S C              |
| >3270 DCF FEATURE                      |                   | 5704-RG1/02         |            | 29             |                 |                 |                 | 01        | SC21-5161           | 6005-7                          | 1 S C              |
| >RPG II - 15D                          |                   | 5704-RG2            |            | 192            |                 |                 |                 |           | GC21-7514           | SYSTEM/3                        | 1 S A              |
| >SYSTEM CONTROL PROGRAM - 15ABC        | SCP               | 5704-SC1            |            |                |                 |                 |                 |           | GC21-7578           | SYSTEM/3                        | 0 S C              |
| >SYSTEM CONTROL PROGRAM - 15D          | SCP               | 5704-SC2            |            |                |                 |                 |                 |           | GC21-7578           | SYSTEM/3                        | 0 S A              |
| >DISK SORT - 15ABC                     |                   | 5704-SM1            |            | 64             |                 |                 |                 |           | SC21-7522           | SYSTEM/3                        | 1 S C              |
| >TAPE SORT - 15ABC                     |                   | 5704-SM2            |            | 152            |                 |                 |                 |           | SC21-7572           | SYSTEM/3                        | 1 S C              |
| >CCP/DISK SORT - 15D                   |                   | 5704-SM7            |            | 29             |                 |                 |                 |           | SC21-7522           | SYSTEM/3                        | 1 S A              |
| >TAPE SORT - 15D                       |                   | 5704-SM8            |            | 174            |                 |                 |                 |           | SC21-7572           | SYSTEM/3                        | 1 S A              |
| >DISK SORT - 15D                       |                   | 5704-SM9            |            | 102            |                 |                 |                 |           | SC21-7522           | SYSTEM/3                        | 1 S A              |
| >CARD UTILITIES - 15ABC                |                   | 5704-UT1            |            | 20             |                 |                 |                 |           | SC21-7529           | SYSTEM/3                        | 1 S C              |
| >CARD UTILITIES - 15D                  |                   | 5704-UT3            |            | 29             |                 |                 |                 |           | SC21-7529           | SYSTEM/3                        | 1 S A              |
| >DATA/3 - 15ABC                        |                   | 5704-XX1            |            | 205            |                 |                 |                 |           | SC21-5102           | SYSTEM/3                        | 1 S C              |
| >DATA/3 - 15D                          |                   | 5704-XX3            |            | 235            |                 |                 |                 |           | SC21-5102           | SYSTEM/3                        | 1 S C              |
| >BASIC ASSEMBLER MOD 12                |                   | 5705-AS1            |            | 102            |                 |                 |                 |           | GC21-5079           | SYSTEM/3                        | 1 S C              |
| >ANS COBOL MOD 12                      |                   | 5705-CB1            |            | 102            |                 |                 |                 |           | GC28-6462           | SYSTEM/3                        | 1 S C              |
| >DISK FORTRAN IV MOD 12                |                   | 5705-FO1            |            | 135            |                 |                 |                 |           | GC28-6880           | SYSTEM/3                        | 1 S C              |
| >DATA COLLECTION SYSTEM SUPPORT MOD 12 | DCSS/3            | 5705-M31            |            | 44             |                 |                 |                 |           | GH30-0204           | SYSTEM/3                        | 1 S C              |
| >RPG II MOD 12                         |                   | 5705-RG1/01         |            | 107            |                 |                 |                 |           | GC21-7514           | SYSTEM/3                        | 1 S C              |
| >3270 DCF FEATURE MOD 12               |                   | 5705-RG1/02         |            | 26             |                 |                 |                 | 01        | SC21-5161           | 6003-4                          | 1 S C              |
| >SYSTEM CONTROL PROGRAM MOD 12         | SCP               | 5705-SC1            |            |                |                 |                 |                 |           | GC21-7578           | SYSTEM/3                        | 0 S C              |
| >DISK SORT MOD 12                      |                   | 5705-SM1            |            | 54             |                 |                 |                 |           | GC21-5083           | SYSTEM/3                        | 1 S C              |
| >TAPE SORT MOD 12                      |                   | 5705-SM2            |            | 93             |                 |                 |                 |           | GC21-5138           | SYSTEM/3                        | 1 S C              |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >DISK RESIDENT CARD UTILITIES MOD 12     |            | 5705-UT1     |     | 18      |          |          |          |    | GC21-7535    | SYSTEM/3                 | 1 S C       |
| >1255 UTILITY MOD 12                     | MICR UTIL  | 5705-UT2     |     | 83      |          |          |          |    | GC21-5030    | SYSTEM/3                 | 1 S C       |
| >DATA/3 MOD 12                           |            | 5705-XX1     |     | 163     |          |          |          |    | GC21-5210    | SYSTEM/3                 | 1 S C       |
| >ASSEMBLER LANGUAGE                      |            | 5708-AS1     |     | 38      | 29       |          |          |    | GC21-7795    | 5280 DATA SYSTEM         | 1 S A       |
| >COBOL-OS/VSE HOST COMPILER & LIBRARY    |            | 5708-CB1     |     | 144     |          |          |          |    | GL23-0027    | 5280 DATA SYSTEM         | 1 S E       |
| >COBOL-DOS/VSE HOST COMPILER & LIBRARY   |            | 5708-CB2     |     | 144     |          |          |          |    | GL23-0028    | 5280 DATA SYSTEM         | 1 S E       |
| >PROCEDURE CONTROL LANGUAGE              |            | 5708-CL1     |     | 9       | 7        |          |          |    | GC23-0754    | 5280 DATA SYSTEM         | 1 S A       |
| >COMMUNICATIONS UTILITIES                |            | 5708-DC1     |     | 23      | 15       |          |          |    | GC34-0248    | 5280 DATA SYSTEM         | 1 S A       |
| >DE/RPG                                  |            | 5708-DE1     |     | 12      | 9        |          |          |    | GC21-7792    | 5280 DATA SYSTEM         | 1 S A       |
| >5280-3270 EMULATION                     |            | 5708-EM1     |     | 46      | 35       |          |          |    | GC34-0383    | 5280 DATA SYSTEM         | 1 S A       |
| >SYSTEM CONTROL PROGRAMMING              |            | 5708-SC1     |     |         |          |          |          |    | GC21-7797    | 5280 DATA SYSTEM         | 0 S A       |
| >SORT/MERGE                              |            | 5708-SM1     |     | 12      | 9        |          |          |    | GC21-7794    | 5280 DATA SYSTEM         | 1 S A       |
| >UTILITIES                               |            | 5708-UT1     |     | 7       | 4        |          |          |    | GC21-7793    | 5280 DATA SYSTEM         | 1 S A       |
| CUSTOMER INFORMATION SYSTEM DESIGN SVC   | CIS ADS    | 5712-AAA/01  |     | 2055    |          |          |          | 12 | GE20-0441    |                          | 0 S         |
| CUSTOMER INFORMATION SYSTEM DESIGN SVC   | CIS ADS    | 5712-AAA/02  |     | 363     |          |          |          | 12 | GE20-0441    | 9096                     | 0 S         |
| >DISTRIBUTION CONSTRUCTION INFORMATION   | DCIS ADS   | 5712-AAB     |     | 5000    |          |          |          | 12 | GE20-0613    | DOS/OS/IMS/CICS/VSE      | 0 S         |
| >COBOL                                   |            | 5714-CB1     |     | 202     | 151      |          |          |    | GC21-7766    | SYSTEM/38                | 1 S A       |
| >S/38-S/3 BATCH CONVERSION UTILITIES     | PROD AID   | 5714-CV1     |     | 872     |          |          |          | 01 | GC21-7758    | SYSTEM/38                | 0 S D       |
| >CONVERSION REFORMAT UTILITY             | SORT       | 5714-CV2     |     | 15      | 11       |          |          |    | GC21-7778    | SYSTEM/38                | 1 S A       |
| >SYSTEM/34 TO SYSTEM/38 CONVERSION       | PROD AID   | 5714-CV5     |     | 1495    |          |          |          | 01 | GH30-0460    | SYSTEM/38                | 0 S D       |
| >S/3 CCP TO S/38 CONVERSION              | PROD AID   | 5714-CV7     |     | 2810    |          |          |          | 01 | GC21-7772    | SYSTEM/38                | 0 S D       |
| >CUSTOMER SERVICE BILLING DISTRIBUTION   | DMS/38     | 5714-D41     |     | 113     | 85       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D       |
| >ACCOUNTS RECEIVABLE DISTRIBUTION        | DMS/38     | 5714-D42     |     | 99      | 74       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D       |
| >INVENTORY CONTROL DISTRIBUTION          | DMS/38     | 5714-D43     |     | 106     | 80       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D       |
| >SALES ANALYSIS DISTRIBUTION             | DMS/38     | 5714-D44     |     | 91      | 68       |          |          |    | GH30-0130    | SYSTEM/38                | 1 I D       |
| >PURCHASING DISTRIBUTION                 | DMS/38     | 5714-D45     |     | 218     | 164      |          |          |    | GH30-0648    | SYSTEM/38                | 1 I D       |
| >INV MGMT PROD REP 80RD VAL EVAL IMPROVE | DMS/38     | 5714-D46     |     | 226     | 169      |          |          |    | GH30-0080    | SYSTEM/38                | 1 I D       |
| >GENERAL LEDGER DISTRIBUTION/MEDIA       | DMS/38     | 5714-D47     |     | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D       |
| >ACCOUNTS PAYABLE DISTRIBUTION           | DMS/38     | 5714-D48     |     | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D       |
| >PAYROLL DISTRIBUTION                    | DMS/38     | 5714-D49     |     | 77      | 58       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D       |
| >DATA COLL SYS SUPPORT 5230 MFG DCSS     | MAPICS     | 5714-M4A     |     | 100     | 75       |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D       |
| >MATERIAL REQUIREMENTS PLANNING MRP MFG  | MAPICS     | 5714-M4B     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D       |
| >CAPACITY REQUIREMENTS PLANNING CRP MFG  | MAPICS     | 5714-M4G     |     | 149     | 112      |          |          |    | GH30-0482    | SYSTEM/38                | 1 I D       |
| >PRODUCTION CONTROL AND COSTING PCC MFG  | MAPICS     | 5714-M41     |     | 151     | 113      |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D       |
| >PAYROLL MANUFACTURING                   | MAPICS     | 5714-M42     |     | 77      | 58       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D       |
| >ACCOUNTS PAYABLE MANUFACTURING          | MAPICS     | 5714-M43     |     | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D       |
| >ACCOUNTS RECEIVABLE MANUFACTURING       | MAPICS     | 5714-M44     |     | 61      | 46       |          |          |    | GH30-0708    | SYSTEM/38                | 1 I D       |
| >INVENTORY MANAGEMENT MANUFACTURING      | MAPICS     | 5714-M45     |     | 78      | 59       |          |          |    | GH30-0708    | SYSTEM/38                | 1 I D       |
| >PRODUCT DATA MANAGEMENT MFG PDM         | MAPICS     | 5714-M46     |     | 136     | 102      |          |          |    | GH30-0709    | SYSTEM/38                | 1 I D       |
| >GENERAL LEDGER MFG                      | MAPICS     | 5714-M47     |     | 61      | 46       |          |          |    | GH30-0710    | SYSTEM/38                | 1 I D       |

| <u>PROGRAM INFORMATION</u>                 | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|--|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| >SALES ANALYSIS MFG                        | MAPICS            | 5714-M48            |            | 77             | 58              |                 |                 |           | GH30-0708           | SYSTEM/38                       | 1 I D              |
| >ORDER ENTRY AND INVOICING OE&I            | MAPICS            | 5714-M49            |            | 91             | 68              |                 |                 |           | GH30-0708           | SYSTEM/38                       | 1 I D              |
| >REMOTE JOB ENTRY FACILITY                 | RJE               | 5714-RC1            |            | 135            |                 |                 |                 |           | GC21-7915           | SYSTEM/38                       | 1 S A              |
| >RPG III                                   | COMPILER          | 5714-RG1            |            | 79             | 59              |                 |                 |           | GC21-7760           | SYSTEM/38                       | 1 S A              |
| >CONTROL PROGRAM FACILITY                  | CPF               | 5714-SS1            |            | 581            | 435             |                 |                 |           | GC21-7729           | SYSTEM/38                       | 1 S A              |
| >INTERACTIVE DATA BASE UTILITIES           | IDU               | 5714-UT1            |            | 83             | 62              |                 |                 |           | GC21-7759           | SYSTEM/38                       | 1 S A              |
| >WORK STATION SEARCH FACILITY FOR S/38     | WSF/38            | 5714-WS1            |            | 690            |                 |                 |                 | 01        | GH30-0458           | SYSTEM/38                       | 1 S D              |
| >RETAIL DATA PREPARATION 5260              | DATAPREP          | 5714-XA4            |            | 129            | 97              |                 |                 |           | GH30-0136           | SYSTEM/38                       | 1 I D              |
| >DISPLAY INFORMATION FACILITY ALPHA SEARCH | DIF               | 5714-XR1            |            | 77             | 58              |                 |                 |           | GH30-0145           | SYSTEM/38                       | 1 I D              |
| >ASYNCHRONOUS COMMUNICATIONS               |                   | 5715-AC1            |            | 600            |                 |                 |                 | 01        | SA34-0111           | SYS/23 DATAMASTER               | 1 I E              |
| >BINARY SYNCHRONOUS COMMUNICATIONS         |                   | 5715-BC1            |            | 850            |                 |                 |                 | 01        | SA34-0111           | SYS/23 DATAMASTER               | 1 I E              |
| >SYSTEM/23 CLIENT ACCOUNTING CPA           |                   | 5715-CA1            |            | 2050           |                 |                 |                 | 01        | GB30-2796           | SYS/23 DATAMASTER               | 1 I E              |
| >5110/5120 BASIC TO SYS/23 CONVERSION AID  | PROD AID          | 5715-CV1            |            | 875            |                 |                 |                 | 01        | GC34-1693           | SYS/23 DATAMASTER               | 1 I E              |
| >BUSINESS REPORT APPLICATION DEV SYST      | BRADS III         | 5715-RG2            |            | 1145           |                 |                 |                 | 01        | SB30-2536           | SYS/23 DATAMASTER               | 1 I E              |
| >DATAMASTER WORD AND TEXT PROCESSING       | WP                | 5715-WP1            |            | 500            |                 |                 |                 | 01        | GC34-0417           | SYS/23 DATAMASTER               | 1 I E              |
| >GENERAL LEDGER MGMT INFO MULTI IND        | BUS MGMT          | 5715-XX2            |            | 1025           |                 |                 |                 | 01        | GB30-2733           | SYS/23 DATAMASTER               | 1 I E              |
| >ACCOUNTS PAYABLE MGMT INFO MULTI IND      | BUS MGMT          | 5715-XX3            |            | 1025           |                 |                 |                 | 01        | GB30-2744           | SYS/23 DATAMASTER               | 1 I E              |
| >ACCOUNTS RECEIVABLE MGMT INFO MULTI IND   | BUS MGMT          | 5715-XX4            |            | 1025           |                 |                 |                 | 01        | GB30-2722           | SYS/23 DATAMASTER               | 1 I E              |
| >PAYROLL MGMT INFO MULTI IND               | BUS MGMT          | 5715-XX5            |            | 1025           |                 |                 |                 | 01        | GB30-2755           | SYS/23 DATAMASTER               | 1 I E              |
| >INVENTORY ACCOUNTING MGMT INFO MULTI IND  | BUS MGMT          | 5715-XX6            |            | 1025           |                 |                 |                 | 01        | GB30-2711           | SYS/23 DATAMASTER               | 1 I E              |
| >BILLING MGMT INFO MULTI IND               | BUS MGMT          | 5715-XX7            |            | 1025           |                 |                 |                 | 01        | GB30-2700           | SYS/23 DATAMASTER               | 1 I E              |
| >RPS INDEXED ACCESS METHOD                 | IAM-RPS           | 5719-AM1            | R          | 20             |                 |                 |                 |           | GC34-0292           | SERIES/1                        | 1 S C              |
| >RPS INDEXED ACCESS METHOD VER 2           | IAM-V2RPS         | 5719-AM2            | R          | 38             |                 |                 |                 |           | GC34-0395           | SERIES/1                        | 1 S E              |
| >EDX INDEXED ACCESS METHOD                 | IAM-EDX           | 5719-AM3            | R          | 22             |                 |                 |                 |           | GC34-0345           | SERIES/1                        | 1 S C              |
| >EDX INDEXED ACCESS METHOD VERSION 2       | IAM               | 5719-AM4            | R          | 38             |                 |                 |                 |           | SC34-0404           | SERIES/1                        | 1 S E              |
| >EDX MACRO ASSEMBLER                       |                   | 5719-ASA            | R          | 17             |                 |                 |                 |           | GS34-0305           | SERIES/1                        | 1 S C              |
| >PROGRAM PREPARATION SUBSYSTEM             | RPS/PPS           | 5719-AS1            | R          | 23             |                 |                 |                 |           | GC34-0121           | SERIES/1                        | 1 S C              |
| >PROGRAM PREPARATION SUBSYSTEM VERSION 2   | RPS/PPS           | 5719-AS2            | R          | 25             |                 |                 |                 |           | GC34-0127           | SERIES/1                        | 1 S C              |
| >PROGRAM PREPARATION SUBSYSTEM VERSION 3   | RPS/PPS           | 5719-AS3            | R          | 28             |                 |                 |                 |           | GC34-0221           | SERIES/1                        | 1 S C              |
| >PROGRAM PREPARATION SUBSYSTEM VERSION 4   | RPS/PPS           | 5719-AS4            | R          | 30             |                 |                 |                 |           | GC34-0270           | SERIES/1                        | 1 S C              |
| >PROGRAM PREPARATION SUBSYSTEM VERSION 5   | RPS/PPS           | 5719-AS5            | R          | 120            |                 |                 |                 |           | GC34-0352           | SERIES/1                        | 1 S E              |
| >SYSTEM/370 CHANNEL ATTACHMENT             |                   | 5719-CA1            | R          | 26             |                 |                 |                 |           | GC34-0217           | SERIES/1                        | 1 S C              |
| >COBOL COMPILER & RESIDENT LIBRARY         | COBOL/RPS         | 5719-CB1            | R          | 90             |                 |                 |                 |           | GC34-0236           | SERIES/1                        | 1 S C              |
| >COBOL TRANSIENT LIBRARY                   | COBOL/RPS         | 5719-CB2            | R          | 8              |                 |                 |                 |           | GC34-0237           | SERIES/1                        | 1 S C              |
| >EDX COBOL COMPILER & RESIDENT LIBRARY     |                   | 5719-CB3            | R          | 90             |                 |                 |                 |           | GL23-0012           | SERIES/1                        | 1 S C              |
| >EDX COBOL TRANSIENT LIBRARY               |                   | 5719-CB4            | R          | 8              |                 |                 |                 |           | GL23-0013           | SERIES/1                        | 1 S C              |
| >EDX COBOL COMPLIER & RESIDENT LIBR V 2    |                   | 5719-CB5            | R          | 118            |                 |                 |                 |           | GC34-0388           | SERIES/1                        | 1 S E              |
| >EDX COBOL TRANSIENT LIBRARY VERSION 2     |                   | 5719-CB6            | R          | 15             |                 |                 |                 |           | GC34-0389           | SERIES/1                        | 1 S E              |
| >RPS COBOL COMPLIER & RESIDENT LIBR V 2    | COBOL/RPS         | 5719-CB7            | R          | 118            |                 |                 |                 |           | GC34-0390           | SERIES/1                        | 1 S E              |
| >RPS COBOL TRANSIENT LIBRARY VERSION 2     | COBOL/RPS         | 5719-CB8            | R          | 15             |                 |                 |                 |           | GC34-0391           | SERIES/1                        | 1 S E              |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >EDX COMMUNICATIONS FACILITY              | EDX/CF     | 5719-CF1     | R   | 55      |          |          |          |    | GL23-0070    | SERIES/1                 | 1 S E       |
| >COMMUNICATIONS MONITOR FOR SERIES/1      |            | 5719-CM1     | R   | 139     |          |          |          |    | GL23-0049    | SERIES/1                 | 1 S E       |
| >STRUCTURED PROGRAM FACILITY MVS/VTAM     |            | 5719-CR1     | R   | 265     |          |          |          | 24 | GC34-1636    | SERIES/1                 | 1 S C       |
| >STRUCTURED PROGRAM FACILITY MVS/TCAM     |            | 5719-CR2     | R   | 265     |          |          |          | 24 | GC34-1637    | SERIES/1                 | 1 S C       |
| >PROG COMM SUBSYSTEM PREPARATION FACILITY | RPS        | 5719-CS0     | R   | 10      |          |          |          |    | GC34-0183    | SERIES/1                 | 1 S C       |
| >PROG COMM SUBSYSTEM EXECUTION SUPPORT    | RPS        | 5719-CS1     | R   | 8       |          |          |          |    | GC34-0186    | SERIES/1                 | 1 S C       |
| >PROG COMM SUBSYS EXTEND EXECU SUPPORT    | RPS        | 5719-CS2     | R   | 25      |          |          |          |    | GC34-0186    | SERIES/1                 | 1 S C       |
| >EDX SYSTEM/370 CHANNEL ATTACHMENT        |            | 5719-CX1     | R   | 76      |          |          |          |    | SC34-1701    | SERIES/1                 | 1 S E       |
| >STRUCTURED PROGRAMMING FACILITY          |            | 5719-ED1     | R   | 265     |          |          |          | 24 | GC34-1623    | SERIES/1                 | 1 S C       |
| >FORTRAN IV COMPIL & OBJ SUPPORT LIBRARY  | RPS        | 5719-F01     | R   | 17      |          |          |          |    | GC34-0131    | SERIES/1                 | 1 S C       |
| >FORT IV COMPIL & OBJ SUP LIB VER 2       |            | 5719-F02     | R   | 17      |          |          |          |    | GC34-0306    | SERIES/1                 | 1 S C       |
| >FORTRAN IV REALTIME SUBROUTINE LIBRARY   | RPS        | 5719-F03     | R   | 7       |          |          |          |    | GC34-0140    | SERIES/1                 | 1 S C       |
| >FORTRAN IV REALTIME SUBROU LIBR VER 2    | RPS        | 5719-F04     | R   | 8       |          |          |          |    | GC34-0140    | SERIES/1                 | 1 S C       |
| >MATH & FUNCTIONAL SUBROU LIBRARY (MFSL)  | RPS        | 5719-LM1     | R   | 9       |          |          |          |    | GC34-0138    | SERIES/1                 | 1 S C       |
| >MATHEMATICAL AND FUNCTIONAL SUBROUTINE   | RPS        | 5719-LM2     | R   | 10      |          |          |          |    | GC34-0138    | SERIES/1                 | 1 S C       |
| >EDX MATH & FUNCTIONAL SUBROUTINE LIBRARY |            | 5719-LM3     | R   | 10      |          |          |          |    | GC34-0137    | SERIES/1                 | 1 S C       |
| >EDX MACRO LIBRARY VERSION 1              |            | 5719-LM5     | R   | 37      |          |          |          |    | GC34-0304    | SERIES/1                 | 1 S C       |
| >EDX MACRO LIBRARY VERSION 2              |            | 5719-LM6     | R   | 49      |          |          |          |    | GC34-0356    | SERIES/1                 | 1 S E       |
| >EDX MACRO LIBRARY VERSION 3              |            | 5719-LM7     | R   | 67      |          |          |          |    | GC34-1698    | SERIES/1                 | 1 S E       |
| >EDX MULTIPLE TERMINAL MANAGER            | MTM        | 5719-MS1     | R   | 20      |          |          |          |    | GC34-0346    | SERIES/1                 | 1 S C       |
| >EDX MULTIPLE TERMINAL MANAGER VERSION 2  | MTM        | 5719-MS2     | R   | 22      |          |          |          |    | GC34-0346    | SERIES/1                 | 1 S E       |
| >REALTIME PROG SYS MULT TERM MGR VER 3    | MTM        | 5719-MT1     | R   | 30      |          |          |          |    | GC34-0456    | SERIES/1                 | 1 S E       |
| >BASE PROGRAM PREPARATON FACILITY         | CPS        | 5719-PA1     | R   | 113     |          |          |          | 24 | GC34-0091    | SERIES/1                 | 1 S C       |
| >REALTIME PROGRAMMING SYSTEM              | RPS        | 5719-PC1     | R   | 25      |          |          |          |    | GC34-0102    | SERIES/1                 | 1 S C       |
| >REALTIME PROGRAMMING SYSTEM VERSION 2    | RPSV2      | 5719-PC2     | R   | 32      |          |          |          |    | GC34-0114    | SERIES/1                 | 1 S C       |
| >REALTIME PROGRAMMING SYSTEM VERSION 3    | RPSV3      | 5719-PC3     | R   | 40      |          |          |          |    | GC34-0193    | SERIES/1                 | 1 S C       |
| >RPS VER 4 (WITH CMD LANGUAGE FACILITY)   | RPSV4CL    | 5719-PC4/01  | R   | 62      |          |          |          |    | GC34-0202    | SERIES/1                 | 1 S C       |
| >RPS VER 4 (WITHOUT CMD LANG FACILITY)    | RPSV4      | 5719-PC4/02  | R   | 48      |          |          |          |    | GC34-0202    | SERIES/1                 | 1 S C       |
| >RPS VER 5 (WITH CMD LANGUAGE FACILITY)   | RPSV5CL    | 5719-PC5/01  | R   | 126     |          |          |          |    | GC34-0351    | SERIES/1                 | 1 S E       |
| >RPS VER 5 (WITHOUT CMD LANG FACILITY)    | RPSV5      | 5719-PC5/02  | R   | 108     |          |          |          |    | GC34-0351    | SERIES/1                 | 1 S E       |
| >PL/I COMPILER AND RESIDENT LIBRARY       | RPS        | 5719-PL1     | R   | 59      |          |          |          |    | GC34-0084    | SERIES/1                 | 1 S C       |
| >PL/I COMPIL & RESIDENT LIBRARY VER 2     | RPS        | 5719-PL2     | R   | 148     |          |          |          |    | GC34-0281    | SERIES/1                 | 1 S C       |
| >PL/I TRANSIENT LIBRARY                   | RPS        | 5719-PL3     | R   | 7       |          |          |          |    | GC34-0092    | SERIES/1                 | 1 S C       |
| >PL/I TRANSIENT LIBRARY VERSION 2         | RPS        | 5719-PL4     | R   | 28      |          |          |          |    | GC34-0282    | SERIES/1                 | 1 S C       |
| >PL/I EDX COMPILER & RESIDENT LIBRARY     |            | 5719-PL5     | R   | 148     |          |          |          |    | GC34-0145    | SERIES/1                 | 1 S C       |
| >PL/I EDX TRANSIENT LIBRARY               |            | 5719-PL6     | R   | 28      |          |          |          |    | GC34-0146    | SERIES/1                 | 1 S C       |
| >STAND-ALONE DISK UTILITIES               | CPS        | 5719-SC2     | R   |         |          |          |          |    | GC34-0070    | SERIES/1                 | 0 S C       |
| >RPS SCREEN FORMAT DESIGN AID UTILITY     |            | 5719-SF1     | R   | 17      |          |          |          |    | GC34-0326    | SERIES/1                 | 1 S C       |
| >RPS SCREEN FORMAT PRESENTATION SUPPORT   |            | 5719-SF2     | R   | 25      |          |          |          |    | GC34-0326    | SERIES/1                 | 1 S C       |
| >SORT/MERGE                               | RPS        | 5719-SM1     | R   | 9       |          |          |          |    | GC34-0239    | SERIES/1                 | 1 S C       |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >EDX SORT/MERGE                           |            | 5719-SM2     | R   | 10      |          |          |          |    | GL23-0015    | SERIES/1                 | 1 S C       |
| >RPS VERSION 5 SNA EXTENDED SUPPORT       |            | 5719-SN1     | R   | 74      |          |          |          |    | GC34-0349    | SERIES/1                 | 1 S E       |
| >EDX SYSTEM NETWORK ARCHITECT             | SNA        | 5719-SX1     | R   | 51      |          |          |          |    | SC34-0402    | SERIES/1                 | 1 S E       |
| >EDX SYSTEM NETWORK ARCHITECT             | RJE SNA    | 5719-SX2     | R   | 25      |          |          |          |    | SC34-0402    | SERIES/1                 | 1 S E       |
| >5250 INFO DISPLAY SYSTEM ATTACH SUPPORT  | RPS        | 5719-TA1     | R   | 26      |          |          |          |    | GC34-0245    | SERIES/1                 | 1 S C       |
| >4969 MAG TAPE SUBSYSTEM SUPPORT          | RPS        | 5719-TA4     | R   | 25      |          |          |          |    | GC34-0289    | SERIES/1                 | 1 S C       |
| >EDX UTILITIES VERSION 1                  |            | 5719-UT3     | R   | 15      |          |          |          |    | GC34-0302    | SERIES/1                 | 1 S C       |
| >EDX UTILITY VERSION 2                    |            | 5719-UT4     | R   | 22      |          |          |          |    | GC34-0354    | SERIES/1                 | 1 S C       |
| >EDX UTILITIES VERSION 3                  |            | 5719-UT5     | R   | 30      |          |          |          |    | GC34-1697    | SERIES/1                 | 1 S E       |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM1     | 5719-U11     | R   | 164     |          |          |          | 48 | GC34-0063    | SERIES/1                 | 1 S C       |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM2     | 5719-U12/01  | R   | 236     |          |          |          | 48 | GH30-0094    | SERIES/1                 | 1 S C       |
| >ENERGY 3 SPECIAL FEATURE (6000/1)        | FC/PM3     | 5719-U12/02  | R   | 66      |          |          |          | 48 | GH30-0094    | SERIES/1                 | 1 S C       |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM4     | 5719-U13     | R   | 325     |          |          |          | 48 | GH30-0500    | SERIES/1                 | 1 S C       |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM2M    | 5719-U14/01  | R   | 116     |          |          |          | 48 | GH30-0094    | SERIES/1                 | 1 S C       |
| >ENERGY SPECIAL FEATURE (6000/1)          | FC/PM3     | 5719-U14/02  | R   | 66      |          |          |          | 48 | GH30-0094    | SERIES/1                 | 1 S C       |
| >ENERGY FACILITY CONTROL POWER MGMT       | FC/PM4M    | 5719-U15     | R   | 144     |          |          |          | 48 | GH30-0500    | SERIES/1                 | 1 S C       |
| >IBM AUDIO DISTRIBUTION SYSTEM            | RPS        | 5719-U20     | R   | 350     |          |          |          |    | GC34-0401    | SERIES/1                 | 1 S E       |
| >EVENT DRIVEN EXECUTIVE QUERY             | EDX QUERY  | 5719-XR1     | R   | 22      |          |          |          |    | GC34-0457    | SERIES/1                 | 1 S E       |
| >REALTIME PROGRAMMING SYSTEM QUERY        | RPS QUERY  | 5719-XR2     | R   | 22      |          |          |          |    | GC34-0457    | SERIES/1                 | 1 S E       |
| >EDX SUPERVISOR & EMULATOR VERSION 1      |            | 5719-XS1     | R   | 21      |          |          |          |    | GC34-0301    | SERIES/1                 | 1 S C       |
| >EDX SUPERVISOR & EMULATOR VERSION 2      |            | 5719-XS2     | R   | 28      |          |          |          |    | GC34-0353    | SERIES/1                 | 1 S C       |
| >EDX BASIC SUPERVISOR AND EMULATOR VER 3  |            | 5719-XS3     | R   | 37      |          |          |          |    | GC34-1696    | SERIES/1                 | 1 S E       |
| >EDX PROGRAM PREPARATION FACILITIES VER 1 |            | 5719-XX2     | R   | 20      |          |          |          |    | GC34-0303    | SERIES/1                 | 1 S C       |
| >EDX PROGRAM PREPARATION FACILITIES VER 2 |            | 5719-XX3     | R   | 26      |          |          |          |    | GC34-0301    | SERIES/1                 | 1 S C       |
| >EDX PROGRAM PREPARATION FACILITY VER 3   |            | 5719-XX4     | R   | 36      |          |          |          |    | GC34-1707    | SERIES/1                 | 1 S E       |
| >PRINT PLOT - BASIC                       |            | 5721-DC1     |     | 575     |          |          |          | 01 | SA21-9265    | 5100 SYSTEM              | 3 L C       |
| >PRINT PLOT - APL                         |            | 5721-DC2     |     | 575     |          |          |          | 01 | SA21-9264    | 5100 SYSTEM              | 3 L C       |
| >PRINT PLOT - PROBLEM SOLVER LIB BASIC    |            | 5721-DC3     |     | 575     |          |          |          | 01 | GC21-5191    | 5120 SYSTEM              | 3 L C       |
| >PRINT PLOT - APL PROBLEM SOLVER LIBRARY  |            | 5721-DC4     |     | 575     |          |          |          | 01 | GC21-5190    | 5120 SYSTEM              | 3 L C       |
| >BUSINESS ANALYSIS -BASIC PROB SOLVER LIB |            | 5721-DC5     |     | 603     |          |          |          | 01 | GH30-0394    | 5120 SYSTEM              | 3 L C       |
| >MATH - BASIC PROBLEM SOLVER LIBRARY      |            | 5721-DC6     |     | 603     |          |          |          | 01 | GH30-0395    | 5120 SYSTEM              | 3 L C       |
| >STAT - BASIC PROBLEM SOLVER LIBRARY      |            | 5721-DC7     |     | 603     |          |          |          | 01 | GH30-0396    | 5120 SYSTEM              | 3 L C       |
| >BRADS II GRAPH GENERATOR                 | BRADSGRAPH | 5721-DC8     |     | 632     |          |          |          | 01 | GH30-2521    | 5120 SYSTEM              | 1 S C       |
| >STAT - BASIC                             |            | 5721-XA1     |     | 603     |          |          |          | 01 | GH30-0043    | 5100 SYSTEM              | 3 L C       |
| >STAT - APL                               |            | 5721-XA2     |     | 603     |          |          |          | 01 | GH30-0042    | 5100 SYSTEM              | 3 L C       |
| >BILLING                                  |            | 5721-XB1     |     | 76      |          |          |          | 24 | G280-0184    | 5120 SYSTEM              | 1 S C       |
| >PAYROLL                                  |            | 5721-XB2     |     | 76      |          |          |          | 24 | G280-0179    | 5120 SYSTEM              | 1 S C       |
| >ACCOUNTS PAYABLE                         |            | 5721-XB3     |     | 76      |          |          |          | 24 | G280-0182    | 5120 SYSTEM              | 1 S C       |
| >ACCOUNTS RECEIVABLE                      |            | 5721-XB4     |     | 76      |          |          |          | 24 | G280-0183    | 5120 SYSTEM              | 1 S C       |
| >INVENTORY REPORTING                      |            | 5721-XB5     |     | 76      |          |          |          | 24 | G280-0181    | 5120 SYSTEM              | 1 S C       |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >GENERAL LEDGER                           |            | 5721-XB6     |     | 76      |          |          |          | 24 | G280-0180    | 5120 SYSTEM              | 1 S C       |
| >BRADS II SPREAD SHEET GENERATOR          | BRADS SPRD | 5721-XB7     |     | 58      |          |          |          | 12 | GB30-1412    | 5120 SYSTEM              | 1 S C       |
| >MATH - BASIC                             |            | 5721-XM1     |     | 603     |          |          |          | 01 | G580-0040    | 5100 SYSTEM              | 3 L C       |
| >MATH - APL                               |            | 5721-XM2     |     | 603     |          |          |          | 01 | G580-0040    | 5100 SYSTEM              | 3 L C       |
| >BUSINESS ANAL/PROB SOLVER LIBRARY        |            | 5721-XM3     |     | 603     |          |          |          | 01 | G580-0042    | 5100 SYSTEM              | 3 L C       |
| >BASIC ASSEM LANG & MACRO PROCESSOR PROG  | LANGUAGE   | 5725-AS1     |     | 134     |          |          |          |    | GC21-7675    | SYSTEM/32                | 1 S A       |
| >CLIENT ACCOUNTING & FINANCIAL REPORTING  | CAFRS CPA  | 5725-C21     | R   | 170     |          |          |          |    | GH30-0306    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS RECEIVABLE LUMBER DEALERS       | LDMAS      | 5725-D4B     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >INVENTORY CONTROL LUMBER DEALERS         | LDMAS      | 5725-D4D     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >BILLING LUMBER DEALERS                   | LDMAS      | 5725-D4F     |     | 98      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >BILLING INVOICING ORDER ENTRY            | DMAS       | 5725-D41     |     | 98      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D       |
| >ACCOUNTS RECEIVABLE                      | DMAS       | 5725-D43     |     | 68      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D       |
| >INVENTORY CONTROL STOCK STATUS           | DMAS       | 5725-D45     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D       |
| >SALES ANALYSIS                           | DMAS       | 5725-D47     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/32                | 1 I D       |
| >SALES ANALYSIS LUMBER DEALERS            | LDMAS      | 5725-D49     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/32                | 1 I D       |
| >BILLING FOOD DISTRIBUTORS                | FDMAS      | 5725-D6A     |     | 98      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1 I D       |
| >SALES ANALYSIS FOOD DISTRIBUTORS         | FDMAS      | 5725-D6C     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1 I D       |
| >GENERAL LEDGER DISTRIBUTORS              | DFAS       | 5725-D61     |     | 49      |          |          |          |    | GH30-0314    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS PAYABLE DISTRIBUTORS            | DFAS       | 5725-D62     |     | 49      |          |          |          |    | GH30-0315    | SYSTEM/32                | 1 I C       |
| >PAYROLL DISTRIBUTORS                     | DFAS       | 5725-D63     |     | 63      |          |          |          |    | GH30-0302    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | FDMAS      | 5725-D66     |     | 68      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1 I D       |
| >INVENTORY CONTROL FOOD DISTRIBUTORS      | FDMAS      | 5725-D68     |     | 89      |          |          |          |    | GH30-0156    | SYSTEM/32                | 1 I D       |
| >STUDENT RECORDS SCHOOL ADMINISTRATION    | SAS        | 5725-E31     |     | 107     |          |          |          |    | GH30-0304    | SYSTEM/32                | 1 I C       |
| >STUDENT ACCOUNTING SCHOOL ADMINISTRATION | SAS        | 5725-E32     |     | 119     |          |          |          |    | GH30-0307    | SYSTEM/32                | 1 I C       |
| >STUDENT SCHEDULING SCHOOL ADMINISTRATION | SAS        | 5725-E33     |     | 142     |          |          |          |    | GH30-0308    | SYSTEM/32                | 1 I C       |
| >FORTRAN IV                               | LANGUAGE   | 5725-F01     |     | 99      |          |          |          |    | GC21-7680    | SYSTEM/32                | 1 S A       |
| >CUSTOMER INFORMATION FILE BANKING        | CIF        | 5725-F11     |     | 101     |          |          |          |    | GH30-0358    | SYSTEM/32                | 1 I C       |
| >DEMAND DEPOSIT ACCOUNTING BANKING        | DDA        | 5725-F12     |     | 94      |          |          |          |    | GH30-0359    | SYSTEM/32                | 1 I C       |
| >SAVINGS ACCOUNTING BANKING               | FINANCE    | 5725-F13     |     | 90      |          |          |          |    | GH30-0360    | SYSTEM/32                | 1 I C       |
| >INSTALLMENT LOAN ACCOUNTING BANKING      | FINANCE    | 5725-F14     |     | 104     |          |          |          |    | GH30-0362    | SYSTEM/32                | 1 I C       |
| >PATIENT BILLING HOSPITAL                 | HFMS       | 5725-H11     |     | 37      |          |          |          |    | GH30-0449    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS RECEIVABLE HOSPITAL             | HFMS       | 5725-H12     |     | 31      |          |          |          |    | GH30-0450    | SYSTEM/32                | 1 I C       |
| >PAYROLL HOSPITAL                         | HFMS       | 5725-H13     |     | 87      |          |          |          |    | GH30-0008    | SYSTEM/32                | 1 I C       |
| >GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | HFMS       | 5725-H14     |     | 48      |          |          |          |    | GH30-0451    | SYSTEM/32                | 1 I C       |
| >MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | MGMS       | 5725-H15     |     | 163     |          |          |          |    | GH30-0310    | SYSTEM/32                | 1 I C       |
| >MEMBERSHIP AND MAILING ASSOCIATIONS      |            | 5725-K11     |     | 123     |          |          |          |    | GH30-0012    | SYSTEM/32                | 1 I C       |
| >5230 DATA COLLECT SYS SUPPORT FOR S/32   | DCSS       | 5725-M3A     |     | 63      |          |          |          |    | GH30-0016    | SYSTEM/32                | 1 I C       |
| >PRODUCTION STATUS & COSTING MFG          | MMAS       | 5725-M31     |     | 63      |          |          |          |    | GH30-0037    | SYSTEM/32                | 1 I C       |
| >PAYROLL MFG                              | MMAS       | 5725-M32     |     | 63      |          |          |          |    | GH30-0035    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS PAYABLE MFG                     | MMAS       | 5725-M33     |     | 49      |          |          |          |    | GH30-0036    | SYSTEM/32                | 1 I C       |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >ACCOUNTS RECEIVABLE MFG                  | MMAS       | 5725-M34     |     | 51      |          |          |          |    | GH30-0031    | SYSTEM/32                | 1 I C       |
| >INVENTORY MANAGEMENT MFG                 | MMAS       | 5725-M35     |     | 63      |          |          |          |    | GH30-0032    | SYSTEM/32                | 1 I C       |
| >PRODUCTION DEFINITION & COSTING MFG      | MMAS       | 5725-M36     |     | 59      |          |          |          |    | GH30-0033    | SYSTEM/32                | 1 I C       |
| >GENERAL LEDGER MFG                       | MMAS       | 5725-M37     |     | 49      |          |          |          |    | GH30-0034    | SYSTEM/32                | 1 I C       |
| >SALES ANALYSIS MFG                       | MMAS       | 5725-M38     |     | 63      |          |          |          |    | GH30-0039    | SYSTEM/32                | 1 I C       |
| >ORDER ENTRY AND INVOICING BILLING        | MMAS       | 5725-M39     |     | 77      |          |          |          |    | GH30-0038    | SYSTEM/32                | 1 I C       |
| >SHIP CTRL FOR SUPPLIERS TO THE AUTO IND  | AUTOMOTIVE | 5725-M44     |     | 77      |          |          |          |    | GH30-0013    | SYSTEM/32                | 1 S C       |
| >RELEA CTRL FOR SUPPLIERS TO THE AUTO IND | AUTOMOTIVE | 5725-M45     |     | 84      |          |          |          |    | GH30-0014    | SYSTEM/32                | 1 S C       |
| >JOB COSTING CONSTRUCTION                 | CMAS       | 5725-M61     |     | 51      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS       | 5725-M62     |     | 64      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >PAYROLL CONSTRUCTION                     | CMAS       | 5725-M63     |     | 89      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >GENERAL LEDGER CONSTRUCTION              | CMAS       | 5725-M64     |     | 51      |          |          |          |    | GH30-0201    | SYSTEM/32                | 1 I C       |
| >SYSTEM/32 RPG II                         | LANGUAGE   | 5725-RG1     |     | 49      |          |          |          |    | GC21-7594    | SYSTEM/32                | 1 S A       |
| >SYSTEM/32 SYSTEM CONTROL PROGRAM         | SCP        | 5725-SC1     |     |         |          |          |          |    | GC21-7710    | SYSTEM/32                | 0 S A       |
| >MOTOR FREIGHT REVENUE ACCOUNTING         | MFAS       | 5725-T21     |     | 265     |          |          |          |    | GH30-0312    | SYSTEM/32                | 1 I C       |
| >SYSTEM/32 UTILITIES                      | DFU        | 5725-UT1     |     | 23      |          |          |          |    | GC21-7599    | SYSTEM/32                | 1 S A       |
| >FILE CONVERSION UTILITY                  | FCU        | 5725-UT2     |     | 76      |          |          |          |    | GC34-0081    | SYSTEM/32                | 1 S A       |
| >STATISTICAL PROBLEM SOLVING              |            | 5725-XA1     |     | 94      |          |          |          |    | GH30-0181    | SYSTEM/32                | 1 S B       |
| >RETAIL DATA PREPARATION 5265             | RMAS       | 5725-XA2     |     | 119     |          |          |          |    | GH30-0136    | SYSTEM/32                | 1 I B       |
| >SUBROUTINE LIBRARY - MATH                | SI-MATH    | 5725-XM1     |     | 94      |          |          |          |    | GH30-0182    | SYSTEM/32                | 1 S B       |
| >WORD PROCESSOR/32                        | WP/32      | 5725-XX1     |     | 274     |          |          |          |    | GH30-0103    | SYSTEM/32                | 1 S A       |
| >LETTER WRITER APPLICATION                |            | 5725-XX2     |     | 43      |          |          |          |    | GH30-0309    | SYSTEM/32                | 1 S C       |
| >JOB ANALYSIS                             | JAS/32     | 5725-XX3     |     | 102     |          |          |          |    | GH30-0180    | SYSTEM/32                | 1 S C       |
| >BASIC ASSEMBLER AND MACRO PROCESSOR      | LANGUAGE   | 5726-AS1     |     | 134     | 101      |          |          |    | GC21-7840    | SYSTEM/34                | 1 S A       |
| >BASIC ANS X3.60-1978                     | LANGUAGE   | 5726-BA1     |     | 63      | 47       |          |          |    | GC21-7841    | SYSTEM/34                | 1 S A       |
| >BASIC SUBSET                             | WSU        | 5726-BA2     |     | 780     |          |          | 01       |    | GC21-9035    | SYSTEM/34                | 1 S A       |
| >COBOL ANS74 X3.23-1974                   | LANGUAGE   | 5726-CB1     |     | 131     | 98       |          |          |    | GC21-7737    | SYSTEM/34                | 1 S A       |
| >CLIENT ACCOUNT & FINANCIAL REPORTING SYS | CAFRRS     | 5726-C21     |     | 170     |          |          |          |    | GH30-0230    | SYSTEM/34                | 1 I C       |
| >CLIENT ACCOUNT & FINANCIAL REPORT SYS II | CAFRRS II  | 5726-C22     |     | 195     | 146      |          |          |    | GH30-0230    | SYSTEM/34                | 1 I D       |
| >OVER-THE-CTR INV &ACCTS REC INQ OTC      | DMAS II    | 5726-DM5     |     | 2070    |          |          | 01       |    | GB30-2501    | SYSTEM/34                | 1 S C       |
| >BILLING DISTRIBUTORS                     | DMAS II    | 5726-D4A     |     | 98      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS RECEIVABLE DISTRIBUTORS         | DMAS II    | 5726-D4B     |     | 68      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1 I D       |
| >INVENTORY CONTROL DISTRIBUTORS           | DMAS II    | 5726-D4C     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1 I D       |
| >SALES ANALYSIS DISTRIBUTORS              | DMAS II    | 5726-D4D     |     | 89      |          |          |          |    | GH30-0093    | SYSTEM/34                | 1 I D       |
| >BILLING LUMBER DEALERS                   | LDMAS      | 5726-D4E     |     | 100     |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS RECEIVABLE LUMBER DEALERS       | LDMAS      | 5726-D4F     |     | 68      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >INVENTORY CONTROL LUMBER DEALERS         | LDMAS      | 5726-D4G     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >SALES ANALYSIS LUMBER DEALERS            | LDMAS      | 5726-D4H     |     | 89      |          |          |          |    | GH30-0166    | SYSTEM/34                | 1 I D       |
| >BILLING DISTRIBUTORS                     | DMAS II    | 5726-D41     |     | 103     | 77       |          |          |    | GH30-0185    | SYSTEM/34                | 1 I D       |
| >ACCOUNTS RECEIVABLE DISTRIBUTORS         | DMAS II    | 5726-D42     |     | 70      | 53       |          |          |    | GH30-0185    | SYSTEM/34                | 1 I D       |

| <u>PROGRAM INFORMATION</u>                | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|---|-------------------|---------------------|------------|----------------|-----------------|-----------------|--------------------|---------------------|---------------------------------|--------------------|
| >INVENTORY CONTROL DISTRIBUTORS           | DMAS II           | 5726-D43            |            | 93             | 70              |                 |                    | GH30-0185           | SYSTEM/34                       | 1 I D              |
| >SALES ANALYSIS DISTRIBUTORS              | DMAS II           | 5726-D44            |            | 93             | 70              |                 |                    | GH30-0185           | SYSTEM/34                       | 1 I D              |
| >PURCHASING DISTRIBUTORS                  | DMAS II           | 5726-D46            |            | 197            | 148             |                 |                    | GH30-0185           | SYSTEM/34                       | 1 I D              |
| >GENERAL LEDGER DISTRIBUTORS              | DFAS              | 5726-D6A            |            | 49             |                 |                 |                    | GH30-0219           | SYSTEM/34                       | 1 I C              |
| >ACCOUNTS PAYABLE DISTRIBUTORS            | DFAS              | 5726-D6B            |            | 49             |                 |                 |                    | GH30-0219           | SYSTEM/34                       | 1 I C              |
| >PAYROLL DISTRIBUTORS                     | DFAS              | 5726-D6C            |            | 63             |                 |                 |                    | GH30-0219           | SYSTEM/34                       | 1 I C              |
| >BILLING FOOD DISTRIBUTORS                | FDMAS             | 5726-D65            |            | 100            |                 |                 |                    | GH30-0156           | SYSTEM/34                       | 1 I D              |
| >ACCOUNTS RECEIVABLE FOOD DISTRIBUTORS    | FDMAS             | 5726-D66            |            | 69             |                 |                 |                    | GH30-0156           | SYSTEM/34                       | 1 I D              |
| >INVENTORY CONTROL FOOD DISTRIBUTORS      | FDMAS             | 5726-D67            |            | 89             |                 |                 |                    | GH30-0156           | SYSTEM/34                       | 1 I D              |
| >SALES ANALYSIS FOOD DISTRIBUTORS         | FDMAS             | 5726-D68            |            | 89             |                 |                 |                    | GH30-0156           | SYSTEM/34                       | 1 I D              |
| >3270 DEVICE EMULATION                    |                   | 5726-EM1            |            | 182            | 136             |                 |                    | GC21-7749           | SYSTEM/34                       | 1 S A              |
| >STUDENT RECORDS SCHOOL ADMINISTRATION    | SAS               | 5726-E31            |            | 123            |                 |                 |                    | GH30-0410           | SYSTEM/34                       | 1 I D              |
| >STUDENT ACCOUNTING SCHOOL ADMINISTRATION | SAS               | 5726-E32            |            | 136            |                 |                 |                    | GH30-0414           | SYSTEM/34                       | 1 I D              |
| >STUDENT SCHEDULING SCHOOL ADMINISTRATION | SAS               | 5726-E33            |            | 163            |                 |                 |                    | GH30-0415           | SYSTEM/34                       | 1 I D              |
| >FORTRAN IV                               | LANGUAGE          | 5726-F01            |            | 181            | 136             |                 |                    | GC21-7685           | SYSTEM/34                       | 1 S A              |
| >CUSTOMER INFORMATION FILE BANKING        | CIF               | 5726-F11            |            | 167            |                 |                 |                    | G360-0050           | SYSTEM/34                       | 1 I D              |
| >DEMAND DEPOSIT ACCOUNTING BANKING        | DDA               | 5726-F12            |            | 150            |                 |                 |                    | G360-0050           | SYSTEM/34                       | 1 I D              |
| >SAVINGS ACCOUNTING BANKING               | FINANCE           | 5726-F13            |            | 147            |                 |                 |                    | G360-0050           | SYSTEM/34                       | 1 I D              |
| >INSTALLMENT LOAN ACCOUNTING BANKING      | FINANCE           | 5726-F14            |            | 170            |                 |                 |                    | G360-0050           | SYSTEM/34                       | 1 I D              |
| >MANAGEMENT SYSTEM FOR LAW FIRMS          | LEGAL             | 5726-F52            |            | 377            |                 |                 |                    | GH30-0124           | SYSTEM/34                       | 1 I D              |
| >PUBLIC BUDGETING & ACCOUNTING APPL GOVT  | PBA               | 5726-G21            |            | 323            | 242             |                 |                    | GH30-0229           | SYSTEM/34                       | 1 I D              |
| >PATIENT BILLING HOSPITAL                 | HFMS              | 5726-H11            |            | 60             |                 |                 |                    | GH30-0404           | SYSTEM/34                       | 1 I D              |
| >ACCOUNTS RECEIVABLE HOSPITAL             | HFMS              | 5726-H12            |            | 51             |                 |                 |                    | GH30-0405           | SYSTEM/34                       | 1 I D              |
| >PAYROLL HOSPITAL                         | HFMS              | 5726-H13            |            | 100            |                 |                 |                    | GH30-0406           | SYSTEM/34                       | 1 I D              |
| >GENERAL LEDGER/ACCOUNTS PAYABLE HOSPITAL | HFMS              | 5726-H14            |            | 79             |                 |                 |                    | GH30-0407           | SYSTEM/34                       | 1 I D              |
| >MEDICAL GROUP MANAGEMENT SYSTEM CLINICS  | MGMS              | 5726-H15            |            | 163            |                 |                 |                    | GH30-0228           | SYSTEM/34                       | 1 I C              |
| >MEDICAL GROUP MGMT SYSTEM II CLINICS     | MGMS              | 5726-H16            |            | 260            | 195             |                 |                    | GH30-0228           | SYSTEM/34                       | 1 I D              |
| >MEMBERSHIP AND MAILING LIST SYSTEM       | ASSOC.            | 5726-K11            |            | 123            |                 |                 |                    | GH30-0454           | SYSTEM/34                       | 1 I C              |
| >5230 DATA COLLECTION SUPPORT FOR S/34    | DCSS              | 5726-M3A            |            | 63             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >PRODUCTION STATUS AND COSTING MFG        | MMAAS             | 5726-M31            |            | 63             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >PAYROLL MFG                              | MMAAS             | 5726-M32            |            | 63             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >ACCOUNTS PAYABLE MFG                     | MMAAS             | 5726-M33            |            | 49             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >ACCOUNTS RECEIVABLE MFG                  | MMAAS             | 5726-M34            |            | 51             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >INVENTORY MANAGEMENT MFG                 | MMAAS             | 5726-M35            |            | 63             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >PRODUCT DEFINITION & COSTING MFG         | MMAAS             | 5726-M36            |            | 59             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >GENERAL LEDGER MFG                       | MMAAS             | 5726-M37            |            | 49             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >SALES ANALYSIS MFG                       | MMAAS             | 5726-M38            |            | 63             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >ORDER ENTRY AND INVOICING MFG            | MMAAS             | 5726-M39            |            | 77             |                 |                 |                    | GH30-0220           | SYSTEM/34                       | 1 I C              |
| >DATA COLLECTION SYSTEM SUPPORT MFG 5230  | MAPICS            | 5726-M4A            |            | 109            | 82              |                 |                    | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >MATERIAL REQUIREMENTS PLANNING MFG MRP   | MAPICS            | 5726-M4B            |            | 169            | 127             |                 |                    | GH30-0221           | SYSTEM/34                       | 1 I D              |



| <u>PROGRAM INFORMATION</u>                | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|---|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| >CAPACITY REQUIREMENTS PLANNING MFG CRP   | MAPICS            | 5726-M46            |            | 149            | 112             |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >PRODUCTION CONTROL AND COSTING MFG PC&C  | MAPICS            | 5726-M41            |            | 169            | 127             |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >PAYROLL DISTRIBUTORS MFG MAPICS          | DFAS II           | 5726-M42            |            | 95             | 71              |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >ACCOUNTS PAYABLE DISTR MFG MAPICS        | DFAS II           | 5726-M43            |            | 70             | 53              |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >ACCOUNTS RECEIVABLE MFG                  | MAPICS            | 5726-M44            |            | 70             | 53              |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >INVENTORY MANAGEMENT MFG                 | MAPICS            | 5726-M45            |            | 93             | 70              |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >PRODUCT DATA MANAGEMENT MFG              | MAPICS            | 5726-M46            |            | 154            | 116             |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >GENERAL LEDGER DISTR MFG MAPICS          | DFAS II           | 5726-M47            |            | 70             | 53              |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >SALES ANALYSIS MFG                       | MAPICS            | 5726-M48            |            | 93             | 70              |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >ORDER ENTRY AND INVOICING MFG            | MAPICS            | 5726-M49            |            | 104            | 78              |                 |                 |           | GH30-0221           | SYSTEM/34                       | 1 I D              |
| >REVENUE ACCOUNTING CONSTRUCTION A/R      | CMAS/34           | 5726-M6A            |            | 99             | 74              |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I D              |
| >JOB COSTING CONSTRUCTION                 | CMAS              | 5726-M61            |            | 51             |                 |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I C              |
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS              | 5726-M62            |            | 64             |                 |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I C              |
| >PAYROLL CONSTRUCTION                     | CMAS              | 5726-M63            |            | 89             |                 |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I C              |
| >GENERAL LEDGER CONSTRUCTION              | CMAS              | 5726-M64            |            | 51             |                 |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I C              |
| >JOB COSTING CONSTRUCTION                 | CMAS/34           | 5726-M66            |            | 63             | 47              |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I D              |
| >GENERAL LEDGER CONSTRUCTION              | CMAS/34           | 5726-M67            |            | 63             | 47              |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I D              |
| >ACCOUNTS PAYABLE CONSTRUCTION            | CMAS/34           | 5726-M68/01         |            | 85             | 64              |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I D              |
| >COMMITTED COST/COST HISTORY FEATURE CONS | CMAS/34           | 5726-M68/02         |            | 45             | 34              |                 |                 |           | GH30-0707           | SYS/34,6021                     | 1 I D              |
| >PAYROLL AND LABOR COSTING CONSTRUCTION   | CMAS/34           | 5726-M69            |            | 113            | 85              |                 |                 |           | GH30-0707           | SYSTEM/34                       | 1 I D              |
| >PERSONAL TEACHING AID                    | PTA/34            | 5726-PT1            |            | 600            |                 |                 |                 | 01        |                     | SYSTEM/34                       | 1 S H              |
| >RPG II                                   | LANGUAGE          | 5726-RG1            |            | 44             | 33              |                 |                 |           | GC21-7669           | SYSTEM/34                       | 1 S A              |
| >RPG II SUBSET                            |                   | 5726-RG2            |            | 540            |                 |                 |                 | 01        | GC21-9034           | SYSTEM/34                       | 1 S A              |
| >SYSTEM SUPPORT PROGRAM (SSP)             |                   | 5726-SS1/01         |            | 152            | 114             |                 |                 |           | GC21-7702           | SYSTEM/34                       | 1 S A              |
| >INTERACTIVE COMMUNICATIONS FEATURE       | ICF               | 5726-SS1/02         |            | 108            | 93              |                 |                 |           | SC21-7703           | SYS/34,6000/1                   | 1 S A              |
| >3600 FINANCE SUBSYSTEM FEATURE           | FSF               | 5726-SS1/03         |            | 180            | 155             |                 |                 |           |                     | SYS/34,6010/11                  | 1 S A              |
| >SYSTEM SUPPORT PROGRAM SUBSET PRECONFIG  | SSP               | 5726-SS2            |            | 1800           |                 |                 |                 | 01        | GC21-9032           | SYSTEM/34                       | 1 S A              |
| >MOTOR FREIGHT REVENUE ACCOUNTING         | MFAS              | 5726-T21            |            | 304            |                 |                 |                 |           | GH30-0413           | SYSTEM/34                       | 1 I D              |
| >UTILITIES SEU SORT WSU SDA               | DFU               | 5726-UT1            |            | 53             | 40              |                 |                 |           | GC21-7659           | SYSTEM/34                       | 1 S A              |
| >UTILITIES SUBSET WSU EXEC SORT DFU       | SEU               | 5726-UT2            |            | 660            |                 |                 |                 | 01        | GC21-9033           | SYSTEM/34                       | 1 S A              |
| >SALES AUDIT RETAIL                       | RMAS              | 5726-XA2            |            | 238            | 178             |                 |                 |           | GH30-0136           | SYSTEM/34                       | 1 I D              |
| >MERCHANDISE CONTROL RETAIL               | RMAS              | 5726-XA3            |            | 366            | 274             |                 |                 |           | GH30-0136           | SYSTEM/34                       | 1 I D              |
| >DATA PREPARATION RETAIL                  | RMAS              | 5726-XA4            |            | 119            | 89              |                 |                 |           | GH30-0136           | SYSTEM/34                       | 1 I D              |
| >RETAIL CREDIT CONTROL RETAIL             | RMAS              | 5726-XA5            |            | 230            | 172             |                 |                 |           | GH30-0136           | SYSTEM/34                       | 1 I D              |
| >FINANCIAL APPLICATIONS BRIDGE RETAIL     | RMAS              | 5726-XA7            |            | 150            |                 |                 |                 | 24        | GH30-0136           | SYSTEM/34                       | 1 S E              |
| >JOB ANALYSIS SYSTEM (JAS/34)             | CPM               | 5726-XP1            |            | 134            | 101             |                 |                 |           | GH30-0511           | SYSTEM/34                       | 1 S B              |
| >WORK STATION SEARCH FACILITY             | WSF/34            | 5726-XR1            |            | 458            |                 |                 |                 | 01        | G580-0212           | SYSTEM/34                       | 0 I B              |
| DOS TYPE-I PROGRAMS RUNNING WITH DOS/VS   |                   | 5731-AA1            |            |                |                 |                 |                 |           |                     |                                 | 0 S S              |
| OS ASSEMBLER H                            |                   | 5734-AS1            |            | 247            |                 |                 |                 |           | GC26-3758           | MFT/MVT/VS1/MVS                 | 1 S C              |
| COBOL INTERACTIVE DEBUG                   |                   | 5734-CB4            |            | 351            |                 |                 |                 |           | GC28-6454           | TSO/CMS                         | 1 S B              |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| TSO COBOL PROMPTER                       |            | 5734-CP1     |     | 38      | 28       |          | 5        | 8  | GC28-6454    | TSO                      | 1 S K       |
| TSO ASSEMBLER PROMPTER                   |            | 5734-CP2     |     | 29      |          |          |          |    | GC33-4038    | TSO                      | 1 S C       |
| TSO FORTRAN PROMPTER                     |            | 5734-CP3     |     | 32      |          |          |          |    | GC28-6884    | 5734-F02                 | 1 S C       |
| CONSUMER GOODS SYSTEM - ALLOCATION       | COGS       | 5734-D32     |     | 165     |          |          |          |    | GH20-4410    | OS/MFT/MVT/VS1/VS2       | 1 I C       |
| CONSUMER GOODS SYSTEM - FORECASTING      | COGS       | 5734-D33     |     | 220     |          |          |          |    | GH20-4409    | OS/MFT/MVT/VS1/VS2       | 1 I C       |
| CODE AND GO FORTRAN                      |            | 5734-F01     |     | 302     |          |          |          |    | GC28-6884    | OS/TSO/CMS               | 1 S C       |
| OS FORTRAN IV (G)                        |            | 5734-F02     |     | 92      | 69       |          | 8        | 13 | GC28-6884    | OS/TSO/CMS               | 1 S K       |
| OS FORTRAN IV (H EXTENDED) COMPILER      |            | 5734-F03     |     | 399     | 299      | 14       | 22       |    | GC28-6884    | OS/MFT/MVT/VS/CMS        | 1 S K       |
| FORTRAN INTERACTIVE DEBUG                |            | 5734-F05     |     | 240     |          |          |          |    | GC26-3983    | 5734-F01/02/03           | 1 S B       |
| CHECK PROCESSING CONTROL SYSTEM          | CPCS       | 5734-F11/01  |     | 1265    |          |          |          |    | GH20-1008    | OS/MFT/MVT/VS            | 2 J B       |
| CPCS 3890 FEATURE                        |            | 5734-F11/02  |     | 506     |          |          |          |    | GH20-1970    | 6080-6081,6091           | 2 I B       |
| TELECOMMUNICATIONS CONTROL SYSTEM        | TCS        | 5734-F31     |     | 5070    |          |          |          |    | GH20-4324    | OS/VS                    | 2 S B       |
| OS FORTRAN IV LIBRARY (MOD II)           |            | 5734-LM3     |     | 123     | 92       | 14       | 22       |    | GC28-6884    | OS/MFT/MVT/VS/CMS        | 1 S K       |
| OS PL/I RESIDENT LIBRARY                 |            | 5734-LM4     |     | 55      | 41       | 5        | 8        |    | GC33-0001    | OS/VS,MFT/MVT,CMS        | 1 S K       |
| OS PL/I TRANSIENT LIBRARY                |            | 5734-LM5     |     | 32      | 24       | 5        | 8        |    | GC33-0001    | OS/VS,MFT/MVT,CMS        | 1 S K       |
| REQUIREMENTS PLANNING                    |            | 5734-M51/01  |     | 231     |          |          |          |    | GH20-4618    | OS/MFT/MVT/VS            | 1 I C       |
| REQUIREMENTS PLANNING CONNECTION RECORDS |            | 5734-M51/02  |     | 33      |          |          |          |    | GH20-4618    | 6015                     | 1 I C       |
| OS PL/I OPTIMIZING COMPILER              |            | 5734-PL1     |     | 252     | 189      | 31       | 50       |    | GC33-0001    | OS/VS,MFT/MVT,CMS        | 1 S K       |
| OS PL/I CHECKOUT COMPILER                |            | 5734-PL2     |     | 538     | 403      | 5        | 8        |    | GC33-0003    | OS/MFT/MVT/VS/CMS        | 1 S K       |
| OS PL/I OPTIMIZING COMPILER & LIBRARY    |            | 5734-PL3     |     | 339     | 254      | 41       | 66       |    | GC33-0001    | OS/VS,MFT/MVT,CMS        | 1 S K       |
| VISUAL DATA ENTRY ONLINE SYSTEM/370      | VIDEO/370  | 5734-RC5/01  |     | 270     |          |          |          |    | GC28-8313    | OS/MFT/MVT/VS            | 1 S C       |
| VIDEO/370 CICS FEATURE OS                |            | 5734-RC5/02  |     | 81      |          |          |          |    | GC28-8313    | 6085-6087                | 1 S C       |
| OS SORT / MERGE                          |            | 5734-SM1     |     | 66      |          |          |          |    | GC33-4022    | OS/MFT/MVT/VS            | 1 S C       |
| TSO DATA UTILITIES                       |            | 5734-UT1     |     | 144     |          |          |          |    | GH20-9057    | TSO                      | 1 S C       |
| STAT / BASIC                             |            | 5734-XA3     |     | 55      |          |          |          |    | GH20-1027    | ITE(DOS/OS/TSO),VS       | 1 S C       |
| BUSINESS ANALYSIS / BASIC                |            | 5734-XMB     |     | 60      |          |          |          |    | GH20-1175    | VSPC,CMS                 | 1 S C       |
| MATRIX GENERATOR REPORT WRITER FOR MPSX  | MGRW       | 5734-XMC     |     | 509     |          |          |          |    | GH19-5012    | OS/MFT/MVT               | 1 I B       |
| PROCEDURE LIBRARY - MATHEMATICS          |            | 5734-XM3     |     | 102     |          |          |          |    | GH20-0854    | OS                       | 1 S C       |
| VEHICLE SCHEDULING PROGRAM - EXTENDED    | VSPX       | 5734-XM5     |     | 221     |          |          |          |    | GH19-2000    | OS/VS                    | 1 I C       |
| MATH / BASIC                             |            | 5734-XM8     |     | 55      |          |          |          |    | GH20-1128    | CMS,VSPC                 | 1 S C       |
| MINIPERT                                 |            | 5734-XP3     |     | 165     |          |          |          |    | GH20-4432    | APLSV,APL/CMS            | 1 I C       |
| PROJECT MANAGEMENT SYSTEM IV             | PMS IV     | 5734-XP4/01  |     | 71      |          |          |          |    | GH20-0855    | OS/VS                    | 1 I B       |
| COST PROCESSOR FEATURE                   | PMS IV     | 5734-XP4/02  |     | 70      |          |          |          |    | GH20-0855    | 6016-6018                | 0 I B       |
| RESOURCE ALLOCATION PROCESSOR FEATURE    | PMS IV     | 5734-XP4/03  |     | 285     |          |          |          |    | GH20-0855    | 6019-6021                | 0 I B       |
| ENHANCED NETWORK PROCESSOR FEATURE       | PMS IV     | 5734-XP4/04  |     | 132     |          |          |          |    | GH20-0855    | 6088-6090                | 0 I B       |
| GENERAL PURPOSE SIMULATION SYSTEM V OS   | GPSS V     | 5734-XS2     |     | 63      |          |          |          |    | GH20-0825    | OS,OS/VS                 | 1 I C       |
| CONTINUOUS SYSTEM MODELING PROGRAM III   | CSMP III   | 5734-XS9/01  |     | 98      |          |          |          |    | GH19-7000    | VS1/VS2/VM               | 1 I C       |
| GRAPHICS FEATURE FOR CSMP III            |            | 5734-XS9/02  |     | 385     |          |          |          |    | GH19-7000    | 6065-6067                | 1 I C       |
| INFORMATION MANAGEMENT SYSTEM VERS 2     | IMS/360    | 5734-XX6/01  |     | 646     |          |          |          |    | GH20-0765    | OS/MFT/MVT/VS1/VS2       | 2 S C       |
| DATA COMMUNICATION FEATURE               | IMS/360    | 5734-XX6/02  |     | 700     |          |          |          |    | GH20-0765    | 6022-6024                | 2 S C       |

| PROGRAM INFORMATION                       | SHORT NAME  | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MQ | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|-------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| IQF INTERACTIVE QUERY FACILITY FEATURE    | IMS/360     | 5734-XX6/03  |     | 352     |          |          |          |    | GH20-1074    | 6068-6070                | 2 S C       |
| CUSTOMER INFORMATION CONTROL SYSTEM       | CICS        | 5734-XX7     |     | 823     |          |          |          |    | GH20-1028    | OS                       | 2 S C       |
| S/3 RPG II CONVERSION PREPROCESSOR        |             | 5735-CV1     |     | 660     |          |          |          | 01 | GH20-4532    | S/3,DOS/V5               | 0 I C       |
| 3650 SUBSYSTEM PROGRAM PREP SUPPORT II    | SPPS II     | 5735-D16     |     | 400     | 300      | 22       | 35       |    | GC30-9524    | DOS/VSE,OS/V5            | 1 S K       |
| 3680 STORE SYSTEMS SALES APPLICATION      |             | 5735-D61     |     | 5       |          |          |          |    | GH20-2461    | DOS/VSE,DOS/V5,OS/V5     | 1 S A       |
| 3680 STORE SYSTEMS ADMINISTRATION         |             | 5735-D62     |     | 10      |          |          |          | 48 | GH20-2461    | DOS/VSE,DOS/V5,OS/V5     | 1 S A       |
| EPIC SOCRATES                             |             | 5735-E91     |     | 211     |          |          |          |    | GH20-1129    | DOS/V5                   | 1 I C       |
| >EPIC: - SOCRATES EDUCATION               |             | 5735-E91     |     | 242     |          |          |          |    | GH20-1129    | SYSTEM/3                 | 1 I B       |
| EPIC FAST                                 |             | 5735-E92     |     | 104     |          |          |          |    | GH20-1131    | DOS/OS                   | 1 I C       |
| >EPIC: - FAST EDUCATION TEST SCORING      |             | 5735-E92     |     | 104     |          |          |          |    | GH20-1131    | SYSTEM/3                 | 1 I C       |
| EPIC BUDGET / FINANCE                     |             | 5735-E93     |     | 133     |          |          |          |    | GH20-1132    | DOS/OS                   | 1 I C       |
| >EPIC: - BUDGET/FINANCE EDUCATION         |             | 5735-E93     |     | 152     |          |          |          |    | GH20-1132    | SYSTEM/3                 | 1 I B       |
| >EPIC: - STUDENT EDUCATION                |             | 5735-E94     |     | 87      |          |          |          |    | GH20-1130    | SYSTEM/3                 | 1 I C       |
| PHARMACY APPLICATION STORE ENVIRONMENT    |             | 5735-H11     |     | 48      |          |          |          |    | GH20-2189    | DOS/VSE,OS/V5            | 1 S A       |
| INFORMATION / SYSTEM - OZS                | INFO/SYS    | 5735-OZ5/01  |     | 55      | 41       | 7        | 11       |    | GC34-2053    | MVS,VSE,VM               | 1 S K       |
| INFORMATION / MVS - VSE - VM              | INFO/SYS    | 5735-OZ5/02  |     | 221     |          |          |          |    | GC34-2053    | 6052                     | 1 S C       |
| INFORMATION / MANAGEMENT - OZS            | INFO/MGMT   | 5735-OZ5/03  |     | 76      | 57       | 5        | 8        |    | GC34-2053    | 6050                     | 1 S K       |
| INFORMATION / ACCESS - OZS                | INFO/ACCESS | 5735-OZ5/04  |     | 270     | 202      | 13       | 35       |    | GC34-2053    | 6051                     | 1 S K       |
| >INFORMATION / VM - VSE                   | INFO/VMVSE  | 5735-OZ5/05  |     | 110     |          |          |          |    | GC34-2069    | 6053                     | 1 S C       |
| ACF/TCAM - VERSION 1                      |             | 5735-RC1/01  |     | 302     | 226      | 11       | 18       |    | GC30-2050    | OS/V5/MVS                | 2 S K       |
| ACF/TCAM - MULTISYSTEMS NETWORKING        | MSNF/TCAM   | 5735-RC1/02  |     | 1120    | 840      | 28       | 45       |    | GC30-9500    | 6000                     | 2 S K       |
| ACF/VTAM                                  |             | 5735-RC2/01  |     | 322     | 241      | 42       | 67       |    | GC27-0462    | OS/V51,MVS               | 2 S K       |
| ACF/VTAM - MULTISYSTEMS NETWORKING        | MSNF/VTAM   | 5735-RC2/02  |     | 773     | 579      | 127      | 203      |    | GC38-0284    | 6009                     | 2 S K       |
| ACF/VTAM - ENCRYPT / DECRYPT FEATURE      |             | 5735-RC2/03  |     | 190     | 142      | 5        | 8        |    | GC38-0285    | 6010                     | 1 S K       |
| ACF/TCAM - VERSION 2                      |             | 5735-RC3/01  |     | 615     | 461      | 71       | 114      |    | GC30-3057    | OS/V5,MVS/XA             | 2 S K       |
| ACF/TCAM - MULTISYSTEM NETWORKING         | MSNF/TCAM   | 5735-RC3/02  |     | 1035    | 776      | 88       | 141      |    | GC30-3057    | 6003                     | 2 S K       |
| VM/VTAM COMM NETWORK APPLICATIONS - VCNA  | VM/VCNA     | 5735-RC5     |     | 284     | 213      | 105      | 168      |    | GC27-0501    | VM/SP,DOS/VSE,VS1        | 2 S K       |
| DPPX DPCX HOST COMMAND FACILITY           | HCF         | 5735-XR1     |     | 97      | 72       | 27       | 43       |    | GC27-0453    | OS/V5,DOS/V5             | 1 S K       |
| ADVANCED DATA COMMUNICATION FOR STORES    |             | 5735-XR2     |     | 208     |          |          |          |    | GH20-2188    |                          | 1 S E       |
| 3100/DPCX HOST LICENSED PROGRAM SUPPORT   | HOST PREP   | 5735-XR3     |     | 187     | 140      | 60       | 96       |    | GC27-0572    | OS/V5,DOS/VSE            | 1 S K       |
| ACF / NETWORK CONTROL PROGRAM / VS        | ACF/NCP/VS  | 5735-XX1     |     | 155     | 116      | 24       | 38       |    | GC30-9533    | DOS/V5,DOS/VSE,OS/V5     | 2 S K       |
| NETWORK OPERATION SUPPORT PROGRAM         | NDSP        | 5735-XX2     |     | 150     | 112      | 33       | 52       |    | GC38-0251    | DOS/V5,VS1,SVS,MVS       | 2 S C       |
| SYSTEM SUPPORT PROGRAM FOR ACF/NCP/VS     | SSP         | 5735-XX3     |     | 55      | 41       | 16       | 25       |    | GC30-3058    | DOS/VSE,OS/V5            | 2 S K       |
| NETWORK COMMUNICATIONS CONTROL FACILITY   | NCCF        | 5735-XX6/01  |     | 111     | 83       | 38       | 61       |    | GC27-0429    | ACF/VTAM/VTAME/TCAM      | 2 S K       |
| >NCCF TERMINAL ACCESS FACILITY FEATURE    |             | 5735-XX6/02  |     | 68      | 51       | 14       | 22       |    | GC27-0429    |                          | 2 S K       |
| NETWORK TERMINAL OPTION                   | NTD         | 5735-XX7     |     | 146     | 109      | 9        | 14       |    | GC38-0297    | ACF/NCP/VS               | 2 S K       |
| NETWORK PROBLEM DETERMINATION APPLICATION | NPDA        | 5735-XX8/01  |     | 59      | 44       | 19       | 31       |    | GC34-2010    | DOS/VSE,OS/V5,NCCF       | 2 S K       |
| 3600 THRESHOLD ANALYSIS / REMOTE ACCESS   | NPDA        | 5735-XX8/02  |     | 138     | 103      | 15       | 24       |    | GC34-2055    | 6030-6031                | 2 S K       |
| CONSUMER GOODS SYSTEM - ALLOCATION DOS    | CGS         | 5736-D31     |     | 165     |          |          |          |    | GH20-0721    | DOS,DOS/V5               | 1 I C       |
| CONSUMER GOODS SYSTEM - FORECASTING DOS   | CGS         | 5736-D32     |     | 220     |          |          |          |    | GH20-0722    | DOS,DOS/V5               | 1 I C       |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| DOS PL/I RESIDENT LIBRARY                |            | 5736-LM4     |     | 55      | 41       | 5        | 8        |    | GC33-0004    | DOS,DOS/VS/VSE,CMS       | 1 S K       |
| DOS PL/I TRANSIENT LIBRARY RELEASE 6     |            | 5736-LM5     |     | 32      | 24       | 5        | 8        |    | GC33-0004    | DOS,DOS/VS/VSE,CMS       | 1 S K       |
| CONSOLIDATED FUNCTIONS ORDINARY VERS 2   | CFO II     | 5736-N13     |     | 380     |          |          |          |    | GH20-5006    | OS/DOS                   | 1 I C       |
| ALPHA SEARCH INQUIRY SYSTEM              | ASIS       | 5736-N14     |     | 231     |          |          |          |    | GH20-1188    | CICS/OS/DOS/VS,CMS       | 1 S C       |
| DOS PL/I OPTIMIZING COMPILER             |            | 5736-PL1     |     | 235     | 176      | 31       | 50       |    | GC33-0004    | DOS,DOS/VS/VSE,CMS       | 1 S K       |
| DOS PL/I OPTIMIZING COMPILER & LIBRARY   |            | 5736-PL3     |     | 322     | 241      | 41       | 66       |    | GC33-0004    | DOS,DOS/VS/VSE,CMS       | 1 S K       |
| VISUAL DATA ENTRY ONLINE SYSTEM/370      | VIDEO/370  | 5736-RC3/01  |     | 187     | 139      | 75       | 120      |    | GC28-8313    | DOS,DOS/VS               | 1 S C       |
| VIDEO/370 CICS FEATURE DOS               |            | 5736-RC3/02  |     | 61      | 45       | 19       | 31       |    | GC28-8313    | 6038-6040                | 0 S C       |
| DOS RPG II                               |            | 5736-RG1/01  |     | 94      |          |          |          |    | GC21-5021    | DOS,DOS/VS               | 1 S C       |
| DOS RPG II AUTO REPORT FEATURE           |            | 5736-RG1/02  |     | 25      |          |          |          |    | GC21-5052    | 6017-6021,6035-6037      | 1 S C       |
| FARE QUOTE / TICKETING                   |            | 5736-T11/01  |     | 5160    |          |          |          |    | GH20-0873    | ACP                      | 0 I B       |
| FARE QUOTE / TICKETING TARIFF MAINT FEA. |            | 5736-T11/02  |     | 10330   |          |          |          |    | GH20-0873    | ACP                      | 0 I B       |
| VEHICLE SCHEDULING PROGRAM - EXTENDED    | VSPX       | 5736-XM3     |     | 115     |          |          |          |    | GH19-2000    | DOS,DOS/VS               | 1 I C       |
| SUBROUTINE LIBRARY - MATHEMATICS         | SL-MATH    | 5736-XM7     |     | 110     |          |          |          |    | GH12-5103    | DOS/VS                   | 1 S C       |
| GENERAL PURPOSE SIMULATION SYSTEM V DOS  | GPSS V     | 5736-XS3     |     | 63      |          |          |          |    | GH20-0826    | DOS,DOS/VS               | 1 I C       |
| DATA BASE ORGANIZATION AND MAINTENANCE   | DBOMP      | 5736-XX4/01  |     | 115     |          |          |          |    | GH20-0771    | DOS,DOS/VS               | 2 S C       |
| DBOMP CICS FEATURE                       |            | 5736-XX4/02  |     | 85      |          |          |          |    | GH20-4446    | 6024-6028                | 2 S C       |
| DBOMP CICS / DASF FEATURE                |            | 5736-XX4/03  |     | 105     |          |          |          |    | GH20-4621    | 6041-6046                | 2 S C       |
| CUSTOMER INFORMATION CONTROL SYSTEM      | CICS ENTRY | 5736-XX6     |     | 235     |          |          |          |    | GH20-1028    | DOS                      | 2 S C       |
| CUSTOMER INFORMATION CONTROL SYSTEM      | CICS STAND | 5736-XX7     |     | 588     |          |          |          |    | GH20-1028    | DOS                      | 2 S C       |
| MVS INFORMATION DIST WORKSTATION SUPPORT |            | 5740-AMA     |     | 354     | 265      | 22       | 35       |    | GC23-0031    | OS/VS2 (MVS)             | 1 S K       |
| SEQUENTIAL ACCESS METHOD EXTENDED        | SAM-E      | 5740-AM3     |     | 89      | 66       | 5        | 8        |    | GH20-9122    | MVS                      | 1 S K       |
| INTERACTIVE PERSONNEL SYSTEM             | INTERPERS  | 5740-AM4/01  |     | 1525    |          |          |          |    | GH20-2151    | IMS/VS,CICS/OS/VS        | 2 S B       |
| GOVERNMENT REPORTING / TRACKING FEATURE  | INTERPERS  | 5740-AM4/02  |     | 278     |          |          |          |    | GH20-2151    | 6125-6126                | 2 S B       |
| DATA FACILITY / DEVICE SUPPORT           | DFDS       | 5740-AM6     |     | 66      | 49       | 18       | 29       |    | GC26-3954    | OS/VS1,5662-257          | 1 S K       |
| DATA FACILITY / DEVICE SUPPORT           | DFDS       | 5740-AM7     |     | 70      | 52       | 14       | 22       |    | GC26-3954    | MVS/SP/JES2,-/JES3       | 1 S K       |
| AMS CRYPTOGRAPHIC OPTION                 |            | 5740-AM8     |     | 72      | 54       | 5        | 8        |    | GC28-1015    | OS/VS1,MVS               | 1 S K       |
| OS/VS COBOL COMPILER & LIBRARY           |            | 5740-CB1     |     | 311     | 233      | 12       | 19       |    | GC28-6470    | OS/VS                    | 1 S K       |
| 3650 PROGRAMMABLE STORE SYSTEM COBOL     |            | 5740-CB2     |     | 254     | 190      | 8        | 13       |    | GC30-3059    | OS/VS                    | 1 S K       |
| CHANGE MANAGEMENT TRACKING               | CMT        | 5740-DC1     |     | 440     |          |          |          |    | GH19-6028    | OS/VS                    | 1 S C       |
| DATA PROCESSING ACCOUNTING FOR IMS/VS    | DPA        | 5740-DC2     |     | 385     |          |          |          |    | GH19-6028    | OS/VS                    | 1 I C       |
| SERVICE LEVEL REPORTER                   | SLR        | 5740-DC3     |     | 507     | 380      | 43       | 68       |    | GH19-6169    | OS/VS                    | 1 I K       |
| CHANGE TRACKER                           | CT         | 5740-DC4     |     | 165     |          |          |          |    | GH19-6028    | OS/VS                    | 1 S C       |
| PROGRAM CUSTOMIZER / 3600 4700           | PC/3600    | 5740-F11     |     | 1740    |          |          |          |    | GH20-1587    | OS/VS                    | 1 I B       |
| TREND ANALYSIS                           |            | 5740-F12     |     | 838     |          |          |          |    | GH20-1861    | IMS/VS,OS/VS             | 1 S B       |
| DIRECT SWIFT LINK                        | DSL        | 5740-F15     |     | 1525    |          |          |          |    | GH12-5050    | CICS/OS/VS               | 1 S B       |
| DIRECT SWIFT LINK                        | DSL        | 5740-F16     |     | 1805    |          |          |          |    | GH12-5050    | IMS/VS                   | 1 S B       |
| 3614 3624 CONSUMER ONLINE TRANSACTIONS   | COLTS      | 5740-F51     |     | 695     |          |          |          |    | GH20-2019    | OS/VS                    | 1 I B       |
| OS/VS COBOL LIBRARY                      |            | 5740-LM1     |     | 101     | 75       | 5        | 8        |    | GC28-6470    | OS/VS                    | 1 S K       |
| EDX MACRO LIBRARY/HOST VERSION 1         |            | 5740-LM2     |     | 111     |          |          |          |    | GC34-0305    | SERIES/1                 | 1 S C       |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >EDX MACRO LIBRARY/HOST VERSION 2        |            | 5740-LM3     |     | 151     |          |          |          |    | GC34-0357    | SERIES/1                 | 1 S C       |
| >EDX MACRO LIBRARY/HOST VERSION 3        |            | 5740-LM4     |     | 189     |          |          |          |    | GC34-1699    | SERIES/1                 | 1 S E       |
| CAPACITY PLANNING AND OPERATIONS         | CAPOSS-E   | 5740-M41     |     | 625     |          |          |          |    | GH12-5119    | OS/VSI,MVS               | 2 I B       |
| APT INTERMEDIATE CONTOURING              | APT-IC     | 5740-M52     |     | 480     |          |          |          |    | GH20-1424    | OS/VS                    | 1 I B       |
| APT ADVANCED CONTOURING                  | APT-AC     | 5740-M53     |     | 802     |          |          |          |    | GH20-1423    | OS/VS                    | 1 I B       |
| >OS/VS RPG II COMPILER                   |            | 5740-RG1     | P   | 180     | 135      | 10       | 16       |    | GC33-6120    | OS/VS                    | 1 S K       |
| OS/VS SORT MERGE                         |            | 5740-SM1     |     | 231     | 173      | 16       | 26       |    | GC33-4033    | OS/VS                    | 1 S K       |
| DIRECT ACCESS STORAGE DUMP RESTORE       | DASDR      | 5740-UT1     |     | 157     |          |          |          |    | GH20-9116    | OS/VS1,OS/VS2,OS/MFT     | 1 S C       |
| DATA FACILITY DATA SET SERVICES          | DFDSS      | 5740-UT3     |     | 67      | 50       | 17       | 27       |    | GC26-3947    | OS/VSI,MVS               | 1 S K       |
| ENERGY MANAGEMENT SYSTEM                 | EMS        | 5740-U11     |     | 6765    |          |          |          | 60 | GH20-1496    | OS/VS1                   | 2 I B       |
| >CONVERSATIONAL PROJECT EVAL & CONTROL   | CIPREC     | 5740-XC3/01  |     | 710     |          |          |          |    | GH19-1150    | OS/VS,VM/CMS             | 2 S B       |
| >CIPREC EXTENDED FUNCTION PACKAGE        | CIPREC     | 5740-XC3/02  |     | 371     |          |          |          |    | GH19-1150    |                          | 2 S B       |
| DEVELOPMENT MANAGEMENT SYSTEM / CICS     | DMS/CICS   | 5740-XC5/01  |     | 269     | 201      | 40       | 64       |    | GH20-2195    | CICS/VS/OS               | 1 S K       |
| DMS/CICS APPLICATION GENERATION FEATURE  |            | 5740-XC5/02  |     | 366     | 274      | 40       | 64       |    | GH20-2195    |                          | 1 S K       |
| >MVS/SP/JES2 VERSION 2                   | JES2       | 5740-XC6     | P   | 4000    | 3000     | 500      | 800      |    |              | MVS/XA, 5665-284         | 2 S K       |
| MVS SYSTEMS EXTENSIONS                   | MVS/SE     | 5740-XE1     |     | 1700    | 1275     | 85       | 136      |    | GC28-0872    | MVS                      | 2 S K       |
| TSO EXTENDED DISPLAY SESSION MANAGER     | EDS-SM     | 5740-XE2     |     | 278     |          |          |          |    | GC28-0911    | MVS/TSO                  | 1 S B       |
| MATHEMATICAL LINEAR PROGRAMMING EXTENDED | MPSX       | 5740-XM3/01  |     | 584     |          |          |          |    | GH19-1090    | OS/VS                    | 1 I B       |
| MIXED INTEGER PROGRAMMING FEATURE - MPSX | MIP        | 5740-XM3/02  |     | 509     |          |          |          |    | GH19-1090    | 6038-6040                | 1 I B       |
| PROJECT ANALYSIS AND CONTROL SYSTEM      | PROJACS    | 5740-XP1/01  |     | 292     |          |          |          |    | GH19-1055    | OS/VS                    | 1 I B       |
| RESOURCE ALLOCATION PROCESSOR FEATURE    | PROJACS    | 5740-XP1/02  |     | 144     |          |          |          |    | GH19-1055    | 6003-6005                | 1 I B       |
| COST EVALUATION PROCESSOR FEATURE        | PROJACS    | 5740-XP1/03  |     | 72      |          |          |          |    | GH19-1055    | 6006-6008                | 1 I B       |
| NETWORK PREPARATION PROCESSOR FEATURE    | PROJACS    | 5740-XP1/04  |     | 72      |          |          |          |    | GH19-1055    | 6009-6011                | 1 I B       |
| MVS HIERARCHICAL STORAGE MANAGER         | HSM        | 5740-XRB     |     | 420     | 315      | 94       | 150      |    | GH35-0007    | MVS                      | 1 S K       |
| STORAGE & INFORMATION RETRIEVAL SYSTEM   | STAIRS/VS  | 5740-XR1     |     | 1020    |          |          |          |    | GH12-5114    | OS/VS1,OS/VS2            | 2 S B       |
| VIRTUAL STORAGE PERSONAL COMPUTING       | VSPC       | 5740-XR6     |     | 1265    | 948      | 220      | 352      |    | GH20-9070    | MVS                      | 1 S K       |
| NETWORK JOB ENTRY FOR JES2               | NJE        | 5740-XR8     |     | 693     | 519      | 72       | 115      |    | GC23-0010    | MVS                      | 1 S K       |
| VS TSIO FOR VSPC                         |            | 5740-XR9     |     | 319     |          |          |          |    | GH20-9064    | VSAPL WITH VSPC          | 1 S B       |
| TELEPROCESSING NETWORK SIMULATOR         | TPNS       | 5740-XT4     |     | 1430    |          |          |          |    | GH20-1907    | OS/VS                    | 1 I B       |
| TSO COMMAND PACKAGE                      |            | 5740-XT6     |     | 129     | 96       | 7        | 11       |    | GC28-0746    | MVS                      | 1 S K       |
| STRUCTURED PROGRAMMING FACILITY / TSO    | SPF II TSO | 5740-XT8     |     | 589     |          |          |          |    | GH20-1974    | OS/VS2, 3270 DISPLAY     | 1 I B       |
| OPERATIONS PLANNING & CONTROL            | OPC        | 5740-XT9     |     | 1390    | 1040     |          |          |    | GH19-6120    | OS/VS                    | 2 I B       |
| TELECOMMUNICATIONS CONTROL SYSTEM        | TCF-AF     | 5740-XXD     |     | 1375    |          |          |          |    | GH20-1735    | OS/VS                    | 2 S C       |
| DB/DC DATA DICTIONARY                    |            | 5740-XXF     |     | 805     | 603      | 84       | 134      |    | GH20-9104    | IMS/VS DL/1 OS/VS        | 2 S K       |
| RESOURCE ACCESS CONTROL FACILITY         | RACF       | 5740-XXH     |     | 728     | 546      | 32       | 51       |    | GC28-0722    | MVS                      | 2 S K       |
| CUSTOMER INFORMATION CONTROL SYSTEM      | CICS/VS    | 5740-XX1     |     | 1425    | 1065     | 116      | 186      |    | GC33-0066    | OS/VS                    | 2 S K       |
| CICS/OS/VS FASTER LANGUAGE FACILITY FEAT |            | 5740-XX1/02  |     | 113     |          |          |          |    | GH20-1502    | 6021-6023                | 0 S C       |
| INFORMATION MANAGEMENT SYSTEM            | IMS/VS/DB  | 5740-XX2/01  |     | 1310    | 982      | 140      | 224      |    | GH20-1260    | OS/VS                    | 2 S K       |
| IMS/VS DATA COMMUNICATIONS FEATURE       | IMS/VS/DC  | 5740-XX2/02  |     | 1630    | 1220     | 140      | 224      |    | GH20-1260    | 6151-6152                | 0 S K       |
| IMS/VS MULTIPLE SYSTEMS COUPLING FEATURE | MSC        | 5740-XX2/03  |     | 1330    | 997      | 41       | 66       |    | GH20-1260    | 6157-6158                | 1 S K       |

| PROGRAM INFORMATION                     | SHORT NAME | ORDER       | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT         | T I S |
|---|------------|-------------|---|------|------|------|------|-----------|---------------------|-------|
|   |            | NUMBER      | C | FREE | FREE | FREE | FREE |           |                     |       |
| IMS/V5 FAST-PATH FEATURE                |            | 5740-XX2/04 |   | 1750 | 1310 | 165  | 264  | GH20-9069 | 6179-6180           | 2 S K |
| IMS/V5 DATA BASE SURVEYOR UTILITY FEAT. |            | 5740-XX2/05 |   | 97   | 72   | 11   | 18   | GH20-9069 | 6098-6099           | 0 S K |
| IMS/V5 DATA BASE RECOVERY CONTROL FEAT. |            | 5740-XX2/06 |   | 331  | 248  | 29   | 46   | GH35-0010 | 6093-6094           | 1 S K |
| GENERALIZED INFORMATION SYSTEM - VS     | GIS/V5     | 5740-XX7/01 |   | 1165 | 873  | 73   | 117  | GH20-9035 | OS/V5               | 2 S K |
| GIS/V5 ADVANCED QUERY FEATURE           |            | 5740-XX7/02 |   | 363  | 272  | 23   | 37   | GH20-9035 | 6012-6014           | 2 S K |
| GIS/V5 UPDATE & CREATE FEATURE          |            | 5740-XX7/03 |   | 767  | 575  | 47   | 75   | GH20-9035 | 6015-6017           | 2 S K |
| GIS/V5 MODIFY FEATURE                   |            | 5740-XX7/04 |   | 181  | 135  | 11   | 18   | GH20-9035 | 6018-6020           | 2 S K |
| PLANNING CONTROL & DECISION EVALUATION  | PLANCODE/I | 5740-XX8    |   | 764  |      |      |      | GH19-1103 | CICS/IMS VM TSO     | 2 S B |
| PLANNING CONTROL & DECISION EVALUATION  | PLANCODE/S | 5740-XX9    |   | 625  |      |      |      | GH19-1103 | OS/V5               | 2 I B |
| CUSTOMER INFORMATION FACILITY           | CIF/V5     | 5740-XYB    |   | 2150 |      |      |      | GH20-2018 | IMS/V5              | 2 S B |
| CUSTOMER INFORMATION FACILITY           | CIF/V5     | 5740-XYC    |   | 1910 |      |      |      | GH20-2018 | CICS/OS/V5          | 2 S B |
| AUTOMATED OPERATOR FACILITY             | ADF        | 5740-XYD    |   | 639  |      |      |      | GH20-2022 | IMS/V5 V1R2         | 1 S B |
| OS/V51 DISTRIBUTED WORKSTATION SUPPORT  | IDWS       | 5740-XYE    |   | 131  | 98   | 27   | 43   | GC24-5193 | OS/V51              | 1 S K |
| SCREEN DEFINITION FACILITY / CICS       | SDF/CICS   | 5740-XYF    |   | 278  | 208  | 44   | 70   | GH19-6087 | OS/V5               | 1 S K |
| MASS STORAGE SYSTEM EXTENSIONS FOR 3850 | MSSE       | 5740-XYG    |   | 261  | 195  | 40   | 64   | GH35-0034 | OS/V5,MVS/XA        | 1 S K |
| DISTRIBUTED OFFICE SUPPORT - REMOTE     | DISOSS     | 5740-XYK/01 |   | 103  |      |      |      | GH12-5124 | 3730,8100/DOSF      | 2 S B |
| DIRECT DOCUMENT VIEWING FACILITY        | DISOSS     | 5740-XYK/02 |   | 35   |      |      |      | GH12-5124 | 6119-6121           | 2 S B |
| ADVANCED TEXT MANAGEMENT SYSTEM III     | ATMS III   | 5740-XYL/01 |   | 778  |      |      |      | GH20-2404 | OS/V5               | 2 S B |
| ATMS III FORMATTER                      |            | 5740-XYL/02 |   | 402  |      |      |      | GH20-2404 | 5122-5123           | 2 S B |
| MVS/SP/JES3 - RELEASE 1                 | JES3       | 5740-XYN/01 |   | 1700 | 1275 | 85   | 136  | GC28-1025 | MVS,5740-AM7        | 2 S M |
| MVS/SP/JES3 - RELEASE 3                 | JES3       | 5740-XYN/02 |   | 1880 | 1410 | 375  | 600  | GC28-1025 | MVS,5740-AM7        | 2 S K |
| DATA FACILITY / EXTENDED FUNCTION       | DFEF       | 5740-XYQ    |   | 103  | 77   | 50   | 80   | GC26-3960 | MVS/SP,5740-AM7     | 1 S K |
| MVS/SP/JES2 - RELEASE 1                 | JES2       | 5740-XY5/01 |   | 1700 | 1275 | 85   | 136  | GC28-1025 | MVS,5740-AM7        | 2 S M |
| MVS/SP/JES2 - RELEASE 3                 | JES2       | 5740-XY5/02 |   | 1715 | 1285 | 175  | 280  | GC28-1025 | MVS,5740-AM7        | 2 S K |
| TREND ANALYSIS - GRAPHICS & DATA BASE   |            | 5740-XYT    |   | 431  |      |      |      | GH20-2445 | CICS/OS/V5,3279     | 2 S B |
| >COPICS ONLINE ROUTING                  |            | 5740-XYX    |   | 250  |      |      |      | GH12-5138 | OS/V5,IMS,CICS,DL/I | 2 S E |
| TELECOMMUNICATIONS CONTROL SYSTEM ACF   | TCS-ACF    | 5740-XY3/01 |   | 220  |      |      |      | GH20-2192 | OS/V5               | 1 S C |
| TCS-ACF NETWORKING FEATURE              |            | 5740-XY3/02 |   | 330  |      |      |      | GH20-2156 | 5101-5102           | 2 S C |
| RESOURCE MEASUREMENT FACILITY VERSION 2 | RMF        | 5740-XY4    |   | 380  | 285  | 13   | 21   | GC28-0921 | MVS                 | 1 S K |
| PROGRAMMED CRYPTOGRAPHIC FACILITY       |            | 5740-XY5    |   | 347  | 260  | 25   | 40   | GC28-0942 | MVS                 | 1 S K |
| CRYPTOGRAPHIC UNIT SUPPORT              |            | 5740-XY6    |   | 311  | 233  | 25   | 40   | GC28-1015 | OS/V5               | 1 S K |
| DATA BASE DESIGN AID VERSION 2          | DBDA       | 5740-XY8    |   | 392  |      |      |      | GH20-1626 | OS/V5               | 1 I C |
| DISTRIBUTED OFFICE SYSTEM - HOST        | DISOSS     | 5740-XY9/01 |   | 1145 |      |      |      | GH12-5124 | OS/V5               | 2 S B |
| DIRECT DOCUMENT VIEWING FACILITY        | DISOSS     | 5740-XY9/02 |   | 278  |      |      |      | GH12-5124 | 6107-6108           | 2 S B |
| STAIRS INPUT FORMATTER                  | DISOSS     | 5740-XY9/03 |   | 208  |      |      |      | GH12-5124 | 6109-6110           | 2 S B |
| HOST PRINT FACILITY                     | DISOSS     | 5740-XY9/04 |   | 139  |      |      |      | GH12-5124 | 6113-6114           | 2 S B |
| OPERATING SYSTEM / VIRTUAL STORAGE 2    | SVS        | 5742-017    |   |      |      |      |      | GC28-0601 |                     | 0 S C |
| DOS SORT MERGE                          |            | 5743-SM1    |   | 43   |      |      |      | GC33-4020 | DOS                 | 1 S C |
| 1410 7010 INTEGRATED EMULATOR           |            | 5744-AG1    |   |      |      |      |      | GC33-2019 | OS/V5               | 0 S C |
| 1401/1440/1460 INTEGRATED EMULATOR      |            | 5744-AH1    |   |      |      |      |      | GC33-2018 | OS/V5               | 0 S C |

| <u>PROGRAM INFORMATION</u>               | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|--|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| OS/VS2 EMULATOR                          |                   | 5744-AJ1            |            |                |                 |                 |                 |           | GC27-6948           | OS/VS                           | 0 S C              |
| 7040/7074 EMULATOR                       |                   | 5744-AK1            |            |                |                 |                 |                 |           | GC27-6948           | OS/VS                           | 0 S C              |
| 7080 EMULATOR                            |                   | 5744-AL1            |            |                |                 |                 |                 |           | GC27-6952           | OS/VS                           | 0 S C              |
| 7090/7094 EMULATOR                       |                   | 5744-AM1            |            |                |                 |                 |                 |           | GC27-6983           | OS/VS                           | 0 S C              |
| 3704/5 EMULATOR SUPPORT PACKAGE          | EP/VS             | 5744-AN1            |            |                |                 |                 |                 |           | GC30-3002           | OS/VS, VM                       | 0 S J              |
| DOS EMULATOR                             |                   | 5744-AS1            |            |                |                 |                 |                 |           | GC33-2017           | OS/VS                           | 0 S C              |
| 3704/5 NETWORK CONTROL PROGRAM VERSION 3 | NCP/VS            | 5744-BA2            |            |                |                 |                 |                 |           | GC30-3008           | OS/VS                           | 0 S J              |
| DISKETTE COPY PROGRAM                    |                   | 5744-BJ1            |            |                |                 |                 |                 |           | GC24-5109           | OS/VS1                          | 0 S C              |
| DISTRIBUTED INTELLIGENCE SYSTEM/7 - 370  |                   | 5744-BK1            |            |                |                 |                 |                 |           | GC34-0057           | OS/VS                           | 0 S C              |
| DISKETTE COPY PROGRAM                    |                   | 5744-BL1            |            |                |                 |                 |                 |           | GC24-5109           | OS/VS2                          | 0 S C              |
| RETAIL STORE SYSTEM HOST SUPPORT         |                   | 5744-BQ1            |            |                |                 |                 |                 |           | GC30-3022           | OS/VS1                          | 0 S S              |
| SUBSYSTEM PROGRAM PREPARATION            |                   | 5744-BQ2            |            |                |                 |                 |                 |           | GC30-9513           | OS/VS                           | 0 S S              |
| 3650 RETAIL STORE SYSTEM                 |                   | 5744-BQ3            |            |                |                 |                 |                 |           | GC30-9512           | OS/VS                           | 0 S S              |
| 3660 SUPERMARKET SYSTEM - HOST SUPPORT   |                   | 5744-BR1            |            |                |                 |                 |                 |           | GC30-3022           | OS/VS                           | 0 S S              |
| 3660 SUPERMARKET STORE SYSTEM            |                   | 5744-BR2            |            |                |                 |                 |                 |           | GC30-9504           | OS/VS                           | 0 S S              |
| 3790 3770 HOST SUPPORT                   |                   | 5744-BZ3            |            |                |                 |                 |                 |           | GC22-9071           | OS/VS                           | 0 S N              |
| HOST SUPPORT 3600 FINANCE COMMUNICATION  |                   | 5744-CA3            |            |                |                 |                 |                 |           | GC27-0006           | OS/VS                           | 0 S N              |
| DATCH TRANSFER PROGRAM                   | BTP               | 5744-CG1            |            |                |                 |                 |                 |           | GC33-5901           | OS/VS1                          | 0 S C              |
| BATCH TRANSFER PROGRAM                   | BTP               | 5744-CG2            |            |                |                 |                 |                 |           | GC33-5901           | MVS                             | 0 S C              |
| BATCH TRANSFER PROGRAM                   | BTP               | 5744-CH1            |            |                |                 |                 |                 |           | GC33-5901           | SVS                             | 0 S C              |
| SYSTEM SUPPORT SERVICES                  | SSS               | 5744-CJ1            |            |                |                 |                 |                 |           | GC30-3022           | SVS                             | 0 S S              |
| VECTOR PROCESSING SUBSYSTEM              |                   | 5744-CK2            |            |                |                 |                 |                 |           | GC24-5182           | OS/VS                           | 0 S S              |
| 3630 PLANT COMMUNICATION HOST SERVICES   |                   | 5744-CR1            |            |                |                 |                 |                 |           | GA24-3721           | OS/VS                           | 0 S N              |
| 3650 PSS SPSS II                         |                   | 5744-DA1            |            |                |                 |                 |                 |           | GC30-9535           | OS/VS                           | 0 S N              |
| 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | PSS               | 5744-DI6            |            |                |                 |                 |                 |           | GC30-3060           | OS/VS                           | 0 S J              |
| DOS / VIRTUAL STORAGE EXTENDED           | DOS/VSE           | 5745-030            |            |                |                 |                 |                 |           | GC33-6108           |                                 | 0 S J              |
| INTERACTIVE PERSONNEL SYSTEM             | INTERPERS         | 5746-AM1/01         |            | 1110           |                 |                 |                 |           | GH20-2151           | CICS/DOS/VS                     | 2 S B              |
| GOVERNMENT REPORTING & BENEFITS TRACKING | INTERPERS         | 5746-AM1/02         |            | 208            |                 |                 |                 |           | GH20-2151           | 6080-6081                       | 2 S B              |
| VSE VSAM                                 | VSE/VSAM          | 5746-AM2/01         |            | 55             | 41              | 18              | 29              |           | GC24-5143           | DOS/VSE                         | 1 S K              |
| VSE VSAM SPACE MANAGEMENT FOR SAM        | VSE/VSAM          | 5746-AM2/02         |            | 32             | 24              | 7               | 11              |           | GC24-5143           | 6073-6074                       | 1 S K              |
| VSE VSAM FAST BACKUP RESTORE FEATURE     | VSE/VSAM          | 5746-AM2/03         |            | 24             | 18              | 5               | 8               |           | GC24-5190           | 6090-6091                       | 1 S K              |
| VSE S/3 3340 DATA IMPORT                 |                   | 5746-AM3            |            | 1320           |                 |                 |                 | 01        | GC33-6062           | DOS/VSE VSAM                    | 0 S C              |
| VSE FAST COPY DATA-SET PROGRAM           |                   | 5746-AM4            |            | 417            |                 |                 |                 | 01        | GC33-6081           | DOS/VSE                         | 1 S L              |
| VSE 3270 BISYNC PASS THROUGH             |                   | 5746-AM5            |            | 159            |                 |                 |                 |           | GH20-2403           | DOS/VSE CICS/VS                 | 1 S B              |
| COBOL COMPILER & LIBRARY                 |                   | 5746-CB1            |            | 157            | 117             | 12              | 19              |           | GC28-6473           | DOS/VS                          | 1 S K              |
| 3650 PROGRAMMABLE STORE SYSTEM COBOL     |                   | 5746-CB2            |            | 186            | 139             | 8               | 13              |           | GC30-3059           | DOS/VS                          | 1 S K              |
| 3890 DOCUMENT PROCESSOR SUPPORT          |                   | 5746-DC1            |            | 90             |                 |                 |                 |           | GC31-0001           | DOS/VSE                         | 1 S B              |
| PROGRAM CUSTOMIZER / 3600 4700           | PC/3600           | 5746-F11            |            | 966            |                 |                 |                 |           | GH20-1587           | DOS/VSE                         | 1 I B              |
| ELECTRONIC PAYMENT SYSTEMS               | DOSCHECK          | 5746-F12            |            | 1110           |                 |                 |                 |           | GH20-1939           | DOS/VS                          | 2 I B              |
| DIRECT SWIFT LINK                        | DSL               | 5746-F14            |            | 1245           |                 |                 |                 |           | GH12-5133           | CICS/DOS/VS, DOS/VSE            | 1 S B              |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T P | I L | S V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-----|-----|-----|
| FINANCIAL: POSTINGS & GENERAL LEDGER      | IFS-1      | 5746-F52     |     | 714     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1   | S   | B   |
| FINANCIAL: STATUS - P&L BALANCE SHEET     | IFS-2      | 5746-F53     |     | 158     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1   | S   | B   |
| FINANCIAL: OPEN ITEM ACCOUNTING A/R A/P   | IFS-3      | 5746-F54     |     | 317     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1   | S   | B   |
| FINANCIAL: PAYMENT PROCESSING A/P         | IFS-4      | 5746-F55     |     | 238     |          |          |          |    | GH20-2467    | DOS/VSE,CICS,DL/I        | 1   | S   | B   |
| 3614 3624 CONSUMER ONLINE TRANSACTIONS    | COLTS      | 5746-F57     |     | 589     |          |          |          |    | GH20-2019    | DOS/VSE                  | 1   | I   | B   |
| COMMERCIAL BANK SYSTEM BASE SUPPORT       | CBAS BASE  | 5746-F60     |     | 475     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/VSE      | 1   | S   | B   |
| COMMERCIAL BANK DEMAND DEPOSIT ACCOUNTING | CBAS DDA   | 5746-F61     |     | 365     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/VSE      | 1   | S   | B   |
| COMMERCIAL BANK SAVINGS ACCOUNTING        | CBAS SAV   | 5746-F62     |     | 330     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/VSE      | 1   | S   | B   |
| COMMERCIAL BANK TIME DEPOSIT CERTIFICATS  | CBAS TCD   | 5746-F63     |     | 255     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/VSE      | 1   | S   | B   |
| COMMERCIAL BANK GENERAL LEDGER ACCOUNTING | CBAS GNL   | 5746-F64     |     | 235     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/VSE      | 1   | S   | B   |
| COMMERCIAL BANK SYSTEM REVOLVING CREDIT   | CBAS RVC   | 5746-F65     |     | 185     |          |          |          |    | GH20-2497    | DOS/VSE AND CIF/VSE      | 1   | S   | B   |
| HEALTH CARE SUPPORT ACCOUNTING SYSTEM     | HCS        | 5746-H14/01  |     | 109     |          |          |          |    | GH20-1179    | DOS/VSE                  | 2   | I   | C   |
| ACCOUNTING APPLICATION PROGRAM FEATURE    | HCS        | 5746-H14/02  |     | 231     |          |          |          |    | GH20-1179    | 6001-6003                | 2   | I   | C   |
| DOS FORTRAN IV LIBRARY OPTION 1           |            | 5746-LM3     |     | 38      | 28       | 5        | 8        |    | GC28-6882    | DOS                      | 1   | S   | K   |
| COBOL LIBRARY ONLY                        |            | 5746-LM4     |     | 29      | 21       | 5        | 8        |    | GC28-6473    | DOS/VSE                  | 1   | S   | K   |
| CAPACITY PLANNING AND OPERATIONS          | CAPOSS-E   | 5746-M41     |     | 625     |          |          |          |    | GH12-5119    | DOS/VSE                  | 2   | I   | B   |
| LIFE INQUIRY / DATA ENTRY                 | LI/DE      | 5746-N11     |     | 924     |          |          |          |    | GH20-1499    | CICS/DOS/OS/VSE/IMS      | 1   | I   | C   |
| ACF/VTAM - DOS/VSE                        | VTAM       | 5746-RC3/01  |     | 134     | 100      | 42       | 67       |    | GC27-0462    | DOS/VSE/AF               | 2   | S   | K   |
| ACF/VTAM MULTISYSTEM NETWORKING FEATURE   | MSNF/VTAM  | 5746-RC3/02  |     | 254     | 190      | 127      | 203      |    | GC27-0462    | 6059                     | 2   | S   | K   |
| BTAM-ES FOR DOS/VSE                       |            | 5746-RC5     |     | 32      | 24       | 5        | 8        |    | GC38-0292    | DOS/VSE , BTAM-ES        | 1   | S   | K   |
| ACF VTAM ENTRY                            | ACF/VTAME  | 5746-RC7     |     | 131     | 98       | 61       | 98       |    | GC27-0438    | DOS/VSE,4331             | 2   | S   | K   |
| DOS/VSE REMOTE JOB ENTRY WORKSTATION      | RJE        | 5746-RC9     |     | 103     |          |          |          |    | GH20-2199    | VSE TO VM/CMS,OS/VSE     | 1   | S   | B   |
| RPG II COMPILER                           |            | 5746-RG1     |     | 131     | 98       | 5        | 8        |    | GC33-6120    | DOS/VSE                  | 1   | I   | K   |
| VSE INTERACTIVE PROBLEM CONTROL           | IPCS       | 5746-SA1     |     | 31      | 23       | 5        | 8        |    | GC34-2017    | DOS/VSE                  | 1   | S   | K   |
| DOS/VSE SORT MERGE                        |            | 5746-SM1     |     | 68      |          |          |          |    | GC33-4030    | DOS/VSE                  | 1   | S   | C   |
| DOS/VSE SORT MERGE VERSION 2              |            | 5746-SM2     |     | 101     | 76       | 11       | 18       |    | GC33-4043    | DOS/VSE,VM/SP/CMS        | 1   | S   | K   |
| INTERACTIVE COMPUTING CONTROL FACILITY    | ICCF       | 5746-TS1     |     | 97      | 72       | 22       | 35       |    | GC33-6066    | DOS/VSE                  | 1   | S   | K   |
| DATA INTERFILE TRANSFER, TESTING, OPERNS  | DITTO      | 5746-UT3     |     | 36      | 27       | 5        | 8        |    | GH19-6072    | DOS/VSE                  | 1   | S   | K   |
| >CONVERSATIONAL PROJECT EVAL & CONTROL    | CIPREC     | 5746-XC3/01  |     | 604     |          |          |          |    | GH19-1150    | DOS/VSE                  | 2   | S   | B   |
| >CIPREC EXTENDED FUNCTION PACKAGE         |            | 5746-XC3/02  |     | 316     |          |          |          |    | GH19-1150    |                          | 2   | S   | B   |
| DEVELOPMENT MANAGEMENT SYSTEM / CICS      | DMS/CICS   | 5746-XC4/01  |     | 139     | 104      | 40       | 64       |    | GH20-2195    | CICS/VSE DOS             | 1   | S   | K   |
| DMS/CICS APPLICATION GENERATION FEATURE   |            | 5746-XC4/02  |     | 208     | 156      | 40       | 64       |    | GH20-2195    | 6080-6086                | 1   | S   | K   |
| OPERATOR COMMUNICATIONS CONTROL FACILITY  | OCCF       | 5746-XC5     |     | 116     | 87       | 10       | 16       |    | GC33-6113    | DOS/VSE                  | 1   | S   | K   |
| DOS/VSE ADVANCED FUNCTIONS                |            | 5746-XE2     |     | 189     | 141      | 55       | 88       |    | GC33-6106    | DOS/VSE                  | 1   | S   | K   |
| VSE/POWER                                 | POWER      | 5746-YE3/01  |     | 51      | 38       | 13       | 20       |    | GH12-5131    | DOS/VSE                  | 1   | S   | K   |
| VSE/POWER REMOTE JOB ENTRY                | POWER/RJE  | 5746-XE3/02  |     | 89      | 66       | 18       | 29       |    | GH12-5131    | 6067-6071                | 1   | S   | K   |
| VSE/POWER SHARED SPOOLING                 | POWER      | 5746-XE3/03  |     | 38      | 28       | 7        | 11       |    | GH12-5131    | 6075-6079                | 1   | S   | K   |
| JOB ENTRY PROGRAM                         | JEP        | 5746-XE6     |     | 194     | 145      | 28       | 45       |    | GH12-5129    | DOS/VSE                  | 1   | S   | K   |
| VSE ACCESS CONTROL LOGGING                |            | 5746-XE7     |     | 48      | 36       | 17       | 28       |    | GH12-5130    | DOS/VSE                  | 1   | S   | K   |
| VSE ADVANCED FUNCTIONS                    | VSE/AF     | 5746-XE8     |     | 180     | 135      | 48       | 76       |    | GC33-6108    | DOS/VSE                  | 1   | S   | K   |



| <u>PROGRAM INFORMATION</u>               | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|--|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| MATHEMATICAL LINEAR PROGRAMMING EXTENDED | MPSX              | 5746-XM2/01         |            | 509            |                 |                 |                 |           | GH19-1090           | DOS/VS                          | 1 I B              |
| MIXED INTEGER PROGRAMMING FOR MPSX       | MIP               | 5746-XM2/02         |            | 437            |                 |                 |                 |           | GH19-1090           | 6038-43                         | 1 I B              |
| PROJECT ANALYSIS & CONTROL SYSTEM        | PROJACS           | 5746-XP1/01         |            | 292            |                 |                 |                 |           | GH19-1055           | DOS/VS                          | 1 I B              |
| RESOURCE ALLOCATION PROCESSOR FEATURE    | PROJACS           | 5746-XP1/02         |            | 144            |                 |                 |                 |           | GH19-1055           | 6004-6008,6044                  | 1 I B              |
| COST EVALUATION PROCESSOR FEATURE        | PROJACS           | 5746-XP1/03         |            | 72             |                 |                 |                 |           | GH19-1055           | 6009-6013,6045                  | 1 I B              |
| NETWORK PREPARATION PROCESSOR FEATURE    | PROJACS           | 5746-XP1/04         |            | 72             |                 |                 |                 |           | GH19-1055           | 6014-6018,6046                  | 1 I B              |
| STORAGE & INFORMATION RETRIEVAL SYSTEM   | STAIRS/VS         | 5746-XX4            |            | 834            |                 |                 |                 |           | GH20-1832           | CICS/DOS/VS                     | 2 S B              |
| PLANNING CONTROL & DECISION EVALUATION   | PLANCODE/S        | 5746-XXA            |            | 625            |                 |                 |                 |           | GH19-1103           | DOS/VS                          | 2 I B              |
| EXTENDED TELECOMMUNICATIONS MODULE       | EXTM              | 5746-XXB            |            | 250            |                 |                 |                 |           | GH20-1702           | CICS/DOS/VS                     | 2 S C              |
| DB/DC DATA DICTIONARY                    |                   | 5746-XXC            |            | 366            | 274             | 66              | 105             |           | GH20-9193           | DOS/VS,DL/I,CICS/VS             | 2 S K              |
| COMMUNICATION ORIENTED MESSAGE SYSTEM    | CORMES            | 5746-XXM            |            | 417            |                 |                 |                 |           | GH12-5127           | DOS/VS                          | 2 S B              |
| DATA BASE DESIGN AID VERSION 2           | DBDA              | 5746-XXQ            |            | 302            |                 |                 |                 |           | GH20-1626           | DOS/VS                          | 1 I C              |
| CUSTOMER INFORMATION FACILITY            | CIF/VS            | 5746-XXS            |            | 974            |                 |                 |                 |           | GH20-2018           | CICS/DOS/VS                     | 2 S B              |
| SCREEN DEFINITION FACILITY / CICS        | SDF/CICS          | 5746-XXT            |            | 221            | 165             | 44              | 70              |           | GH19-6087           | DOS/VSE                         | 1 S K              |
| ADVANCED TEXT MANAGEMENT SYSTEM III      | ATMS III          | 5746-XXU/01         |            | 417            |                 |                 |                 |           | GH20-2404           | DOS/VS                          | 2 S B              |
| ATMS III FORMATTER                       |                   | 5746-XXU/02         |            | 402            |                 |                 |                 |           | GH20-2404           | 5040-5041                       | 2 S B              |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST | ELIAS-I           | 5746-XXV            |            | 188            | 141             | 13              | 21              |           | GH19-6218           | DOS/VSE,CICS/VS,DL/I            | 1 S K              |
| DATA LANGUAGE / I                        | DL/I              | 5746-XX1            |            | 372            | 279             | 110             | 176             |           | GH20-1246           | DOS/VSE                         | 2 S K              |
| CUSTOMER INFORMATION CONTROL SYSTEM      | CICS/VS           | 5746-XX3/01         |            | 450            | 337             | 116             | 186             |           | GC33-0066           | DOS/VSE                         | 2 S K              |
| CICS/DOS/VS FASTER LANGUAGE FACILITY     |                   | 5746-XX3/02         |            | 113            |                 |                 |                 |           | GH20-1502           | 6019-6024                       | 2 S C              |
| DATA LANGUAGE / I ENTRY                  | DL/I ENTRY        | 5746-XX7            |            | 372            | 279             | 22              | 35              |           | GH12-5115           | DOS/VS                          | 2 S K              |
| PLANNING CONTROL & DECISION EVALUATION   | PLANCODE/I        | 5746-XX9            |            | 764            |                 |                 |                 |           | GH19-1103           | CICS/DOS/VS                     | 2 S B              |
| >COPICS ONLINE ROUTING                   |                   | 5746-XY1            |            | 250            |                 |                 |                 |           | GH12-5138           | DOS/VSE,CICS,DL/I               | 2 S E              |
| EP/VS - 3704 / 3705 EMULATOR SUPPORT     |                   | 5747-AG1            |            |                |                 |                 |                 |           | GC30-3008           | DOS/VS,DOS/VSE                  | 0 S J              |
| 3704/5 NCP SUPPORT PACKAGE               |                   | 5747-AJ2            |            |                |                 |                 |                 |           | GC30-3008           | DOS/VS                          | 0 S J              |
| 3650 RETAIL STORES SYSTEM                |                   | 5747-BJ1            |            |                |                 |                 |                 |           | GC30-3023           | DOS/VS                          | 0 S S              |
| SUBSYSTEM PROGRAM PREPARATION            |                   | 5747-BJ2            |            |                |                 |                 |                 |           | GC30-9515           | DOS/VS                          | 0 S S              |
| 3650 RETAIL STORE SYSTEM                 |                   | 5747-BJ3            |            |                |                 |                 |                 |           | GC30-9514           | DOS/VS                          | 0 S N              |
| SUPERMARKET SYSTEM HOST                  |                   | 5747-BK1            |            |                |                 |                 |                 |           | GC30-3025           | DOS/VS                          | 0 S S              |
| 3660 SUPERMARKET STORE SYSTEM            |                   | 5747-BK2            |            |                |                 |                 |                 |           | GH30-3025           | DOS/VS                          | 0 S S              |
| 3790 3770 HOST SUPPORT DPCX              |                   | 5747-BQ1            |            |                |                 |                 |                 |           | GC22-9071           | DOS/VS                          | 0 S N              |
| 3600 HOST SUPPORT                        |                   | 5747-BR1/01         |            |                |                 |                 |                 |           | GC27-0006           | DOS/VSE                         | 0 S N              |
| DATCH TRANSFER PROGRAM                   | BTP               | 5747-BW1            |            |                |                 |                 |                 |           | GC33-5900           | DOS/VS                          | 0 S C              |
| 1400 EMULATOR PROGRAMS                   |                   | 5747-CC3            |            |                |                 |                 |                 |           | GC33-5384           | DOS/VS                          | 0 S C              |
| SUBSYSTEM SUPPORT SERVICES               | SSS               | 5747-CC6            |            |                |                 |                 |                 |           | GC30-3022           | DOS/VS                          | 0 S N              |
| VTAM SCP ACF/VTAM                        | ACF/VTAM          | 5747-CF1            |            |                |                 |                 |                 |           | GC27-0459           | DOS/VSE                         | 0 S N              |
| BTAM SCP FOR BTAM-ES                     |                   | 5747-CG1            |            |                |                 |                 |                 |           | DOS/VSE             | 0 S N                           |                    |
| VTAM SCP FOR ACF/VTAM                    |                   | 5747-CG2            |            |                |                 |                 |                 |           | GC27-0440           | DOS/VSE                         | 0 S N              |
| NETWORK CONTROL PROGRAM - SCP            | NCP/SSP           | 5747-CH1/01         |            |                |                 |                 |                 |           | GC30-9531           | 3704,3705                       | 0 S J              |
| NETWORK CONTROL PROGRAM EP/VS FEATURE    | NCP/SSP           | 5747-CH1/02         |            |                |                 |                 |                 |           | GC30-9531           | 6004                            | 0 S J              |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| 3630 PLANT COMMUNICATION SYSTEM HOST     |            | 5747-CJ1     |     |         |          |          |          |    | GA24-3721    | DOS/VS                   | 0 S N       |
| 3650 PROGRAMMABLE STORE SYSTEM SPPS      |            | 5747-CJ2     |     |         |          |          |          |    | GC30-9535    | DOS/VS                   | 0 S N       |
| STANDALONE DEVICE SUPPORT FACILITIES     | DSF        | 5747-DS1     |     |         |          |          |          |    | GC26-3946    | DIRECT ACCESS DEVICE     | 0 S S       |
| DOS/VSE DEVICE SUPPORT FACILITIES        | DSF        | 5747-DS2     |     |         |          |          |          |    | GC26-3946    | DIRECT ACCESS DEVICE     | 0 S S       |
| 3650 3680 PROGRAMMABLE STORE SYSTEM HOST | PSS        | 5747-D16     |     |         |          |          |          |    | GC30-9536    | DOS/VSE                  | 0 S N       |
| 231X EMULATOR ON FBA DEVICES             |            | 5747-SA1     |     |         |          |          |          |    |              | DOS/VSE                  | 0 S N       |
| A PROGRAMMING LANGUAGE - APL             | VSAPL      | 5748-AP1     |     | 305     | 228      | 33       | 52       |    | GH20-9064    | CICS,VSPC,CMS,TSD        | 1 S K       |
| 3650 POINT OF SALE RETAIL ENVIRONMENT    | PSS        | 5748-D14     |     | 84      |          |          |          | 48 | GC30-3056    | DOS/VS,OS/VS             | 1 S A       |
| 3650 POINT OF SALE REPORT CUSTOMIZER     | PSS        | 5748-D15     |     | 9       |          |          |          | 48 | GC30-3054    | 3650                     | 1 S A       |
| 3650 SUPERMARKET ENVIRONMENT             | PSS        | 5748-D21     |     | 55      |          |          |          | 48 | GC30-3055    | 3650                     | 1 S A       |
| 3650 STORE DATA MANAGEMENT               | PSS        | 5748-D22     |     | 21      |          |          |          | 48 | GH20-2150    | DOS/VS,OS/VS1,MVS        | 1 S A       |
| VSPC FORTRAN                             |            | 5748-F02     |     | 507     | 380      | 38       | 61       |    | GH20-9061    | DOS/VS,OS/VS1,MVS        | 1 S K       |
| VS FORTRAN COMPILER & LIBRARY            |            | 5748-F03     |     | 212     | 159      | 15       | 24       |    | GC26-3983    | OS/VS,DOS/VSE,VM/CMS     | 1 S K       |
| CHECK REPORTS                            | EPSS       | 5748-F13     |     | 402     |          |          |          |    | GH20-2136    | OS/VS,DOS/VS             | 1 I B       |
| CHECK PROCESSING EXECUTIVE / 3694        | CPX/3694   | 5748-F53     |     | 52      |          |          |          |    | GH20-2444    | 5748-F54                 | 1 S B       |
| CHECK PROCESSING EXECUTIVE (CHX/3694)    |            | 5748-F53     |     | 45      |          |          |          |    | GH20-2444    | 36/4700                  | 1 S B       |
| CHECK PROCESSING EXECUTIVE / VS          | CPX/VS     | 5748-F54     |     | 276     |          |          |          |    | GH20-2444    | OS/VS,DOS/VSE VTAM       | 1 S B       |
| 3600 4700 ADMINISTRATIVE APPLICATIONS    |            | 5748-F55     |     | 32      |          |          |          |    | GH20-2414    | IMS/VS CICS/VS           | 1 S B       |
| 3694 APPLICATION MACRO EXPANSIONS        |            | 5748-F56     |     | 75      | 56       | 16       | 26       |    | GC31-0012    | OS/VS,DOS/VSE            | 1 S K       |
| VS FORTRAN LIBRARY                       |            | 5748-LM3     |     | 63      | 47       | 5        | 8        |    | GC26-3983    | OS/VS,DOS/VSE,VM/CMS     | 1 S K       |
| INTERACTIVE PRODUCTIVITY FACILITY        | IPF        | 5748-MS1     |     | 41      | 30       | 5        | 8        |    | GH20-2492    | DOS/VSE,VM/SP,SIPO/E     | 1 S K       |
| VM PASS THROUGH FACILITY                 | PVM        | 5748-RC1     |     | 139     | 104      | 65       | 104      |    | GC24-5206    | VM/SP,VM/BSE/VM/SE       | 1 S K       |
| VM/INTERACTIVE PROBLEM CONTROL SYSTEM    | IPCS       | 5748-SA1     |     | 41      | 30       | 5        | 8        |    | GC34-2019    | VM/CMS                   | 1 S K       |
| AIRLINE CONTROL PROGRAM TRANSACTIONS     | ACP/TPF    | 5748-T11/01  |     | 2510    |          |          |          |    | GH20-2140    |                          | 2 S E       |
| ACP / ACF TRANSACTIONS                   | ACP/ACF    | 5748-T11/02  |     | 2175    |          |          |          |    | GH20-2140    | 6041-6042                | 2 S E       |
| 3800 OFFLINE UTILITY                     |            | 5748-UT2     |     | 64      | 48       | 14       | 22       |    | GA26-1653    | DOS/VS,OS/VS             | 1 I K       |
| DISPLAY MANAGEMENT SYSTEM / 3790         | DMS/3790   | 5748-XC2/01  |     | 363     |          |          |          |    | GH20-2002    | DOS/VS,OS/VS             | 1 S C       |
| DMS/3790 INTERFACE MONITOR               | CIM        | 5748-XC2/02  |     | 242     |          |          |          |    | GH20-2002    | 6032-6034                | 1 S C       |
| DISPLAY MANAGEMENT SYSTEM / 3770         | DMS/3770   | 5748-XC3     |     | 275     |          |          |          |    | GH20-2020    | DOS/VS,OS/VS,CMS         | 1 S C       |
| DEVELOPMENT MANAGEMENT SYSTEM / DPCX     | DMS/DPCX   | 5748-XC4     |     | 632     | 474      | 75       | 120      |    | GH20-2423    | TSD,CICS,CMS             | 1 S K       |
| VIRTUAL MACHINE SYSTEM EXTENSIONS VM/SE  | SEPP       | 5748-XE1     |     | 1345    | 1005     | 148      | 237      |    | GC20-1827    | VM/CMS                   | 2 S K       |
| VIRTUAL MACHINE DIRECTORY MAINTENANCE    | DIRMAINT   | 5748-XE4     |     | 98      | 73       | 23       | 37       |    | GC20-1836    | VM/SP/CMS                | 1 S K       |
| FILE TRANSFER PROGRAM                    | FTP        | 5748-XE6     |     | 42      | 31       | 5        | 8        |    | GH12-5129    | DOS/VS OS/VS             | 1 S K       |
| REMOTE SPOOLING COMMUNICATION SUBSYSTEM  | RSCS       | 5748-XP1     |     | 84      | 63       | 28       | 45       |    | GH24-5004    | VM/SP                    | 1 S K       |
| DISPLAY MANAGEMENT SYSTEM / CMS          | DMS/CMS    | 5748-XXB     |     | 30      | 22       | 7        | 1        |    | GC24-5197    | VM/BSE/SE/SP             | 1 S K       |
| VIRTUAL MACHINE INTERACTIVE FILE SHARING | IFS        | 5748-XXC     |     | 40      | 30       | 12       | 1        |    | GC24-5195    | VM/CMS                   | 1 S K       |
| DOCUMENT LIBRARY FACILITY                | DLF        | 5748-XXE     |     | 121     |          |          |          |    | GH20-9163    | DOS/VS,OS/VS1,MVS        | 1 S L       |
| DISTRIBUTED SYSTEMS EXECUTIVE VER 1      | DSX        | 5748-XXG     |     | 220     | 165      | 41       | 65       |    | GH20-2149    | OS/VS,DOS/VSE            | 1 S K       |
| GRAPHIC DATA DISPLAY MANAGER             | GDDM       | 5748-XXH/01  |     | 105     | 78       | 30       | 48       |    | GC33-0100    | TSD VM CICS IMS VSPC     | 1 S K       |
| PRESENTATION GRAPHICS FEATURE            | GDDM/PGF   | 5748-XXH/02  |     | 126     | 94       | 30       | 48       |    | GC33-0100    | 5202-5209                | 1 S K       |

| <u>PROGRAM INFORMATION</u>                      | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|---|-------------------|---------------------|------------|----------------|-----------------|-----------------|--------------------|---------------------|---------------------------------|--------------------|
| SQL / DATA SYSTEM - RELATIONAL STRUCTURE        | SQL/DS            | 5748-XXJ            |            | 345            | 258             | 105             | 168                | GH24-5012           | DOS/VSE & VSE/VSAM              | 2 S K              |
| ENTRY LEVEL INTERACTIVE APPLICATION SYST        | ELIAS-I/VM        | 5748-XXX            |            | 289            | 216             | 25              | 40                 | GH19-6157           | VM/CMS,CICS/VS,DL/I             | 1 S K              |
| VS/BASIC  | BASIC             | 5748-XX1            |            | 514            | 385             | 16              | 25                 | GC28-8302           | TSO / CMS                       | 1 S K              |
| CHAINED FILE DL/I BRIDGE                        |                   | 5748-XX3            |            | 437            |                 |                 |                    | GH12-5116           | DOS/VS,OS/VS                    | 1 S B              |
| <u>INTERACTIVE INSTRUCTIONAL SYSTEM</u>         | <u>IIS</u>        | <u>5748-XX6/01</u>  |            | <u>544</u>     |                 |                 |                    | <u>GH20-1895</u>    | <u>DOS/VS,OS/VS,VM</u>          | <u>2 S B</u>       |
| IIS CICS/DOS/VS FEATURE                         |                   | 5748-XX6/02         |            |                |                 |                 |                    | GH20-1895           | 6016-6017                       | 2 S B              |
| IIS CMS FEATURE                                 |                   | 5748-XX6/05         |            |                |                 |                 |                    | GH20-1895           | 6022-6023                       | 2 S B              |
| VM BASIC SYSTEM EXTENSIONS VM/BSE               | BSEPP             | 5748-XX8            |            | 136            | 102             | 33              | 52                 | GC20-1828           | VM                              | 2 S K              |
| DOCUMENT COMPOSITION FACILITY - DCF             | SCRIPT/VS         | 5748-XX9/01         |            | 281            |                 |                 |                    | GH20-9158           | OS/DOS/VM                       | 1 S L              |
| <u>DCF FOREGROUND: CMS TSO ATMS III</u>         | <u>SCRIPT/VS</u>  | <u>5748-XX9/02</u>  |            | <u>53</u>      |                 |                 |                    | <u>GH20-9158</u>    | <u>6043-4,6072-3,6076-7</u>     | <u>1 S L</u>       |
| VIRTUAL MACHINE / 370                           | VM                | 5749-010            |            |                |                 |                 |                    | GC20-1800           |                                 | 0 S J              |
| DOS/VSE SYSTEM IPO/E - DB/DC                    | SIPO/E            | 5750-AAA            |            | *              | *               | *               | *                  | GC20-1935           | DOS/VSE                         | ** *               |
| DOS/VSE SYSTEM IPO/E - DC                       | SIPO/E            | 5750-AAB            |            | *              | *               | *               | *                  | GC20-1935           | DOS/VSE                         | ** *               |
| DOS/VSE SYSTEM IPO/E - BATCH INTERACTIVE        | SIPO/E            | 5750-AAC            |            | *              | *               | *               | *                  | GC20-1935           | DOS/VSE                         | ** *               |
| <u>&gt;VM/SP SYSTEM IPO/E</u>                   | <u>SIPO/E</u>     | <u>5750-AAK</u>     |            | <u>*</u>       | <u>*</u>        | <u>*</u>        | <u>*</u>           | <u>GC20-1890</u>    | <u>VM/SP</u>                    | <u>** *</u>        |
| SYSTEM IPO FOR OS/VS1 REL 7                     |                   | 5750-AA8            |            | *              | *               | *               | *                  | GC20-1861           |                                 | ** *               |
| MVS/SP SYSTEM IPO                               |                   | 5750-AA9            |            | *              | *               | *               | *                  | GC20-1870           |                                 | ** *               |
| SYSTEM IPO FOR DPPX                             |                   | 5750-BA1            |            | *              | *               | *               | *                  | GC20-1883           |                                 | ** *               |
| OPERATING SYSTEM / MULTIPLE VIRTUAL STOR        | OS/VS2 MVS        | 5752-VS2            |            |                |                 |                 |                    | GC28-1012           |                                 | 0 S J              |
| <u>DPPX ASSEMBLER</u>                           |                   | <u>5760-AS1</u>     |            | <u>63</u>      | <u>47</u>       | <u>14</u>       | <u>22</u>          | <u>GC27-0411</u>    | <u>DPPX</u>                     | <u>1 S K</u>       |
| DPPX COBOL COMPILER                             |                   | 5760-CB1            |            | 121            | 90              | 20              | 32                 | GC26-3914           | DPPX                            | 1 S K              |
| DPPX 3644 PARAMETER TABLE GENERATOR             | GEN3644           | 5760-ED1            |            | 24             | 18              | 6               | 10                 | GC24-5179           | DPPX                            | 1 S K              |
| DPPX FORTRAN COMPILER                           |                   | 5760-FO1            |            | 97             | 72              | 20              | 32                 | GC27-0417           | DPPX                            | 1 S K              |
| DPPX COBOL RUN TIME LIBRARY                     |                   | 5760-LB1            |            | 21             | 15              | 4               | 6                  | GC26-3914           | DPPX                            | 1 S K              |
| <u>DPPX FORTRAN LIBRARY</u>                     |                   | <u>5760-LM1</u>     |            | <u>47</u>      | <u>35</u>       | <u>12</u>       | <u>19</u>          | <u>GC27-0417</u>    | <u>DPPX</u>                     | <u>1 S K</u>       |
| DPPX PL/I LIBRARY                               |                   | 5760-LM2            |            | 50             | 37              | 8               | 13                 | GH19-6081           | DPPX                            | 1 S K              |
| DPPX PL/I COMPILER                              |                   | 5760-PL1            |            | 290            | 217             | 30              | 48                 | GH19-6081           | DPPX                            | 1 S K              |
| DPPX 3270 DATA STREAM COMPATIBILITY             | DSC               | 5760-RC1            |            | 21             | 15              | 28              | 45                 | GC27-0400           | DPPX                            | 1 S K              |
| DPPX SORT MERGE                                 |                   | 5760-SM1            |            | 28             | 21              | 12              | 19                 | GC26-3931           | DPPX                            | 1 S K              |
| <u>DPPX DATA BASE TRANSACTION MANAGEMENT</u>    | <u>DTMS</u>       | <u>5760-TD1</u>     |            | <u>124</u>     | <u>93</u>       | <u>16</u>       | <u>26</u>          | <u>GC26-3915</u>    | <u>DPPX</u>                     | <u>1 S K</u>       |
| DPPX REMOTE JOB ENTRY WORKSTATION               | RJE               | 5760-XC1            |            | 32             | 24              | 16              | 26                 | GC30-3053           | DPPX TO OS,VSE,VM               | 1 S K              |
| DPPX DEVELOPMENT MANAGEMENT SYSTEM              | DMS/DPPX          | 5760-XC2            |            | 117            | 87              | 50              | 80                 | GH20-2154           | DPPX                            | 1 S K              |
| DPPX DISTRIBUTED PRESENTATION SERVICES          | DPS               | 5760-XR1/01         |            | 40             | 30              | 9               | 15                 | GC33-0090           | DPPX                            | 1 S K              |
| DPPX INTERACTIVE MAP DEFINITION FEATURE         | IMD               | 5760-XR1/02         |            | 103            | 77              | 13              | 21                 | GC33-0090           | 6000                            | 1 S K              |
| <u>DPPX PERFORMANCE TOOL MONITOR</u>            | <u>PT/DPPX</u>    | <u>5760-XR5/01</u>  |            | <u>48</u>      |                 |                 |                    | <u>GH20-2155</u>    | <u>DPPX</u>                     | <u>1 S B</u>       |
| DPPX PERFORMANCE TOOL REPORTER FEATURE          | PT/DPPX           | 5760-XR5/02         |            | 55             |                 |                 |                    | GH20-2155           | 6002                            | 1 S B              |
| DPPX DATA CAPTURE AND MANAGEMENT SYSTEM         | DCMS              | 5760-XR6            |            | 95             | 71              | 23              | 37                 | GH20-2421           | DPPX                            | 1 S K              |
| DISTRIBUTED PROCESSING PROGRAM EXECUTIVE        | DPPX/BASE         | 5760-010/01         |            | 239            | 179             | 124             | 198                | GC27-0400           | 8100                            | 1 S K              |
| DPPX/BASE COMMAND FACILITY EXTENSIONS           | DPPX/CFE          | 5760-010/02         |            | 18             | 13              | 8               | 12                 | GC27-0400           | 6006                            | 1 S K              |
| <u>DISTRIBUTED PROCESSING CONTROL EXECUTIVE</u> | <u>DPCX</u>       | <u>5761-DS1/01</u>  |            | <u>269</u>     | <u>201</u>      | <u>74</u>       | <u>118</u>         | <u>GC22-9075</u>    | <u>8100,5735-XR3</u>            | <u>1 S K</u>       |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| 8100 DPCX IDTF FEATURE                   |            | 5761-DS1/02  |     | 74      | 55       | 9        | 14       |    | GC22-9075    | 6001                     | 1 S K       |
| DISTRIBUTED OFFICE SUPPORT FACILITY      | DOSF       | 5761-XR1     |     | 570     | 427      | 84       | 134      |    | GC27-0546    | DPCX                     | 1 S K       |
| STORE SYSTEM INSTALLATION AIDS           | PSS        | 5770-SA1     |     |         |          |          |          |    |              | DOS/V5,DOS/V5E           | 0 S B       |
| STORE SYSTEM INSTALLATION AIDS           | PSS        | 5770-SA2     |     |         |          |          |          |    |              | OS/V5                    | 0 S B       |
| 3800 PLOTTING FACILITY                   |            | 5785-AAA     |     | 220     |          |          |          | 12 | GB21-2154    | OS/V5                    | 1 S H       |
| STORAGE & INFORMATION RETRIEVAL SYSTEM   | STAIRS/CMS | 5785-CAH     |     | 250     |          |          |          |    | GB21-2767    | VM/CMS                   | 1 S E       |
| INTERACTIVE PROJACS                      |            | 5785-DAC     |     | 600     |          |          |          | 12 | GB21-2447    | DOS/V5                   | 1 S H       |
| 3850 TRACE INTERPRETATION PACKAGE        |            | 5785-DBW     |     | 250     |          |          |          | 12 | GB21-2541    | MVS                      | 1 I H       |
| STAIRS/V5 MULTIPLE INVERTED KEYS         |            | 5785-DCE     |     | 500     |          |          |          | 12 | GB21-2657    | OS/V5                    | 1 S H       |
| TSO HOST DEVELOPMENT, TESTING 8100 COBOL |            | 5785-DCF     |     | 4000    |          |          |          | 01 | GB21-2570    | OS/V5                    | 1 S H       |
| CMS HOST DEVELOPMENT, TESTING 8100 COBOL |            | 5785-DCG     |     | 3500    |          |          |          | 01 | GB21-2572    | VM/CMS                   | 1 S H       |
| >BASIC INTERACTIVE GRAPHIC APPL MONITOR  |            | 5785-DCJ     |     | 485     |          |          |          | 12 | G320-6659    | BG55 5785-DCK            | 1 S H       |
| >BASIC GRAPHIC SUPPORT SYSTEM            | BG55       | 5785-DCK     |     | 310     |          |          |          | 12 | G320-6659    | VM,VSAPL                 | 1 S H       |
| 8100 DPCX 3790 DATA-SET UTILITY PROGRAM  |            | 5785-DCL     |     | 115     |          |          |          | 12 | GB21-2535    | VS1 DOS/V5E              | 1 S H       |
| CUSTOMER ORDER SERVICING DATA MANAGEMENT | COPICS     | 5785-DCN     |     | 195     |          |          |          |    | GB21-2633    | DOS/V5E,OS/V5            | 1 S E       |
| CUSTOMER ORDER SERVICING ORDER MANAGEMNT | COPICS     | 5785-DCP     |     | 195     |          |          |          |    | GB21-2633    | DOS/V5E,OS/V5            | 1 S E       |
| INTEGRATED PROCESSING OF DATA AND TEXT   | IPDT       | 5785-DCT     |     | 750     |          |          |          | 24 | GB21-2755    | OS/V5,IMS,DCF,DLF        | 1 S H       |
| >PRINT SPOOLING SYSTEM FOR CICS          |            | 5785-DCW     |     | 255     |          |          |          | 12 | GB21-2970    | V5E,OS/V5,CICS/V5        | 1 S H       |
| >INTEGRATED PROCESSING OF DATA AND TEXT  | IPDT       | 5785-DCX     |     | 370     |          |          |          |    | GB21-2946    | CICS/OS/V5               | 1 S H       |
| >INTEGRATED PROCESSING OF DATA AND TEXT  |            | 5785-DDD     |     | 260     |          |          |          |    | GB21-2946    | CICS/DOS/V5              | 1 S H       |
| VSPC LIBRARY PRINT PROGRAM               |            | 5785-EAA     |     | 250     |          |          |          | 01 | G320-5816    | MVS, VSPC                | 1 S H       |
| PROJECT EVALUATION AND CONTROL SYSTEM    | PEACS      | 5785-EAE     |     | 325     |          |          |          | 24 | G320-6088    | VS-APL (5748-AP1)        | 1 S H       |
| NUMERICAL GEOMETRY SYSTEM - BASIC        |            | 5785-EAH     |     | 1400    |          |          |          | 24 | GB21-2608    | MVS                      | 1 S H       |
| NUMERICAL GEOMETRY SYSTEM - ADVANCED     |            | 5785-EAJ     |     | 1200    |          |          |          | 24 | GB21-2608    | 5785-EAH                 | 1 S H       |
| NUMERICAL GEOMETRY SYSTEM APT-AC BRIDGE  |            | 5785-EAN     |     | 300     |          |          |          | 24 | GB21-2608    | 5785-EAH                 | 1 S H       |
| >TAPE LIBRARY CONTROL SYSTEM             |            | 5785-EAW     |     | 650     |          |          |          | 12 | G320-6652    | MVS                      | 1 S H       |
| DOS/V5 TO MVS MACRO CONVERSION AID       |            | 5785-EBE     |     | 6000    |          |          |          | 01 | GB21-2788    | DOS/V5E,MVS,VM/CMS       | 0 I H       |
| DOS/V5 TO MVS JOBSTREAM CONVERSION AID   |            | 5785-EBF     |     | 4020    |          |          |          | 01 | GB21-2790    | DOS/V5E,MVS,VM/CMS       | 0 I H       |
| DOS/V5 TO MVS COBOL, PL/I CONVERSION AID |            | 5785-EBG     |     | 3940    |          |          |          | 01 | GB21-2792    | DOS/V5E,MVS,VM/CMS       | 0 I H       |
| VSPC APL DL/I INTERFACE                  |            | 5785-FAL     |     | 340     |          |          |          | 12 | GB21-2776    | VSAPL WITH VSPC          | 1 S H       |
| >CHAINED JOBS SCHEDULING                 |            | 5785-GAK     |     | 858     |          |          |          | 12 | GB21-2869    | OS/V51,OS/MVS JES2       | 1 S H       |
| COPICS PURCHASING                        |            | 5785-GAX     |     | 250     |          |          |          |    | GB21-2772    | DOS/V5E,OS/V5 DL/I       | 1 S E       |
| COPICS RECEIVING                         |            | 5785-GAZ     |     | 175     |          |          |          |    | GB21-2774    | DOS/V5E,OS/V5 DL/I       | 1 S E       |
| COPICS BILL OF MATERIAL ON LINE II       |            | 5785-GBA     |     | 95      |          |          |          |    | GB21-2638    | DOS/V5E,OS/V5 DL/I       | 1 S E       |
| COPICS BILL MATERIAL BATCH UTILITIES II  |            | 5785-GBC     |     | 50      |          |          |          |    | GB21-2640    | DOS/V5E,OS/V5 DL/I       | 1 S E       |
| COPICS PRODUCT COST CALCULATIONS II      |            | 5785-GBD     |     | 115     |          |          |          |    | GB21-2642    | DOS/V5E,OS/V5 DL/I       | 1 S E       |
| COPICS INVENTORY ACCOUNTING II           |            | 5785-GBE     |     | 70      |          |          |          |    | GB21-2644    | DOS/V5E,OS/V5 DL/I       | 1 S E       |
| COPICS MATERIAL REQUIREMENTS PLANNING II |            | 5785-GBF     |     | 105     |          |          |          |    | GB21-2644    | DOS/V5E,OS/V5 DL/I       | 1 S E       |
| >HONEYWELL COBOL TO IBM COBOL CONVERSION |            | 5785-JAA     |     | 3000    |          |          |          | 01 | GB21-2858    | OS/V5,DOS/V5E,VM/370     | 0 S H       |
| UNIVAC TO IBM COBOL CONVERSION AID       |            | 5785-JAC     |     | 3000    |          |          |          | 01 | GB21-2763    | DOS/V5E,OS/V5            | 0 S H       |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| APL CONTINUOUS SYSTEM MODELING           | CSMP       | 5785-KAE     |     | 95      |          |          |          | 24 | G320-6081    | VSAPL                    | 1 S H       |
| FINANCIAL MANAGEMENT SYSTEM              |            | 5785-NAC     |     | 1750    |          |          |          |    | GB21-2679    | OS/VS,IMS/VS             | 2 S E       |
| DORTMUND LIBRARY SYSTEM                  | DOBIS      | 5787-DA      |     | 925     |          |          |          | 24 | G320-6662    | OS/VS,CICS/VS,PL/I       | 1 S H       |
| >DORTMUND LIBRARY SYSTEM                 | DOBIS      | 5787-DAB     |     | 715     |          |          |          | 24 | G320-6662    | DOS/VSE,CICS/VS,PL/I     | 1 S H       |
| LEUVEN LIBRARY SYSTEM BATCH              |            | 5787-FAH     |     | 575     |          |          |          | 24 | G320-6662    | 5787-DA                  | 1 S H       |
| LEUVEN LIBRARY SYSTEM ONLINE             |            | 5787-FAJ     |     | 575     |          |          |          | 24 | G320-6662    | 5787-DA -FAH             | 1 S H       |
| >LEUVEN LIBRARY SYSTEM ONLINE            |            | 5787-FAK     |     | 405     |          |          |          | 24 | G320-6662    | 5787-DAB -FAL            | 1 S H       |
| >LEUVEN LIBRARY SYSTEM BATCH             |            | 5787-FAL     |     | 365     |          |          |          | 24 | G320-6662    | 5787-DAB                 | 1 S H       |
| >DISTRIBUTED PLANT MAINTENANCE           |            | 5787-GAA     | P   | 455     |          |          |          |    | GB21-2895    | DPPX                     | 1 S E       |
| PLANT MAINTENANCE EQUIPMENT MANAGEMENT   |            | 5787-NAD     |     | 1100    |          |          |          | 12 | G320-6401    | DOS/VSE CICS DL/I        | 1 S H       |
| PLANT MAINTENANCE SPARE PARTS MANAGEMENT |            | 5787-NAE     |     | 800     |          |          |          | 12 | G320-6402    | DOS/VSE CICS DL/I        | 1 S H       |
| >FOX REAL ESTATE MANAGEMENT              |            | 5793-AAA     |     | 5520    |          |          |          | 01 | GB30-1415    | 5120 SYSTEM              | 1 S H       |
| >5110/5120 BLDR/REMOD ESTIM SYS          |            | 5793-AAB     |     | 5520    |          |          |          | 01 | GB30-1520    | 5120 SYSTEM              | 1 S H       |
| >S/23 ESTIM & COST TRACKING SYS          |            | 5793-AAC     |     | 2995    |          |          |          | 01 | GB30-1758    | SYS/23 DATAMASTER        | 1 I H       |
| FREIGHT & EQUIPMENT REPORTING SYS        | FERST/VS   | 5795-AAF     |     | 634     |          |          |          |    | GH20-4384    | OS/VS1                   | 1 I C       |
| FREIGHT & EQUIPMENT REPORTING SYS        | FERST/VS   | 5795-AAG     |     | 525     |          |          |          |    | GH20-4384    | DOS/VS                   | 1 I C       |
| FERST/VS EQUIPMENT CONTROL               |            | 5795-AAH     |     | 1775    |          |          |          |    | GH20-4384    | OS/VS1                   | 1 I C       |
| FERST/VS EQUIPMENT CONTROL               |            | 5795-AAJ     |     | 1775    |          |          |          |    | GH20-4384    | DOS/VS                   | 1 I C       |
| FERST/VS FREIGHT BILLING                 |            | 5795-AAK     |     | 1775    |          |          |          |    | GH20-4384    | OS/VS1                   | 1 I C       |
| FERST/VS FREIGHT BILLING                 |            | 5795-AAL     |     | 1775    |          |          |          |    | GH20-4384    | DOS/VS                   | 1 I C       |
| FERST/VS RATING RATE AUDIT               |            | 5795-AAM     |     | 2025    |          |          |          |    | GH20-4394    | CICS/OS/VS               | 1 I C       |
| FERST/VS RATING RATE AUDIT               |            | 5795-AAN     |     | 2025    |          |          |          |    | GH20-4394    | CICS/DOS/VS              | 1 I C       |
| >DAKOTA HOSPITAL FINANCIAL SYS           |            | 5796-AAJ     |     | 189     |          |          |          | 12 | G320-1402    | SYSTEM/3                 | 1 I H       |
| >JUDD & DETWEILER - P I C A S            |            | 5796-ABS     |     | 217     |          |          |          | 12 | G320-1432    | SYSTEM/3                 | 1 I H       |
| >DEALER ACCT SYS - WESTLAND AUTO         |            | 5796-ABV     |     | 527     |          |          |          | 12 | G320-1423    | SYSTEM/3                 | 1 I H       |
| >FORECAST MODEL SELECT - WALLED L        |            | 5796-ACP     |     | 62      |          |          |          | 12 | G320-1434    | SYSTEM/3                 | 1 I H       |
| >HOSPITAL REVENUE MGMT - PHIL. GR        |            | 5796-AEA     |     | 155     |          |          |          | 12 | G320-8079    | SYSTEM/3                 | 1 I H       |
| >HOSP. PAYROLL/PERSONNEL - GWINNE        |            | 5796-AEH     |     | 117     |          |          |          | 12 | G320-8080    | SYSTEM/3                 | 1 I H       |
| FREIGHT BILL AUDIT AND RATING SYSTEM     |            | 5796-AEJ     |     | 1215    |          |          |          | 24 | G320-8071    | OS/MVT                   | 2 I H       |
| >HOSPITAL INVENTORY-ARNOT-OGDEN          |            | 5796-AEL     |     | 93      |          |          |          | 12 | G320-8091    | SYSTEM/3                 | 1 I H       |
| >STUDENT RECORD SYSTEM                   |            | 5796-AEN     |     | 204     |          |          |          | 12 | G320-8078    | SYSTEM/3                 | 1 I H       |
| COMPUTER GENERATED CORRESPONDENCE        |            | 5796-AER     |     | 585     |          |          |          | 12 | G320-8094    | DOS/VS,OS/VS,CICS        | 1 I H       |
| 3270 SCREEN IMAGE PREPROCESSOR           |            | 5796-AFC     |     | 123     |          |          |          | 12 | G320-8099    | OS, OS/VS                | 1 S H       |
| 2927 DUAL PRINTER UTILITY PROGRAM        |            | 5796-AFK     |     | 115     |          |          |          | 12 | G320-8106    | 8K BPS TAPE              | 1 S H       |
| ONLINE DEMAND DEPOSIT ACCOUNTING SYSTEM  |            | 5796-AFN     |     | 5250    |          |          |          | 12 | G320-8119    | OS/VS2,IMS               | 1 S H       |
| SMF GRAPHICAL ANALYSIS PROGRAM           |            | 5796-AFP     |     | 200     |          |          |          | 12 | G320-8127    | VS1,VS2,MFT,MVT          | 1 I H       |
| RAILCAR LOCATION & REPORTING SYSTEM      |            | 5796-AFR     |     | 1335    |          |          |          | 24 | G320-8102    | OS/MVT/VS1,SVS,MVS       | 1 S H       |
| ONLINE PAYROLL AND PERSONNEL SYSTEM      |            | 5796-AFX     |     | 780     |          |          |          | 12 | G320-8126    | CICS/DOS/VS              | 1 S H       |
| ENVIROTECH DOS TO OS CONVERSION AID      |            | 5796-AFZ     |     | 3665    |          |          |          | 01 | G320-8124    | OS OS/VS                 | 1 I H       |
| PROOF OF DEPOSIT / TRANSIT               |            | 5796-AGA     |     | 1170    |          |          |          | 12 | G320-8118    | CICS/DOS/VS              | 1 S H       |

| PROGRAM INFORMATION                     | SHORT NAME | ORDER    | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT          | T I S |
|---|------------|----------|---|------|------|------|------|-----------|----------------------|-------|
|   |            | NUMBER   | C | FEE  | FEE  | FEE  | FEE  |           |                      |       |
| GENERAL PURPOSE UTILITIES               |            | 5796-AGE |   | 440  |      |      | 01   | G320-8111 | DOS/V5               | 1 I H |
| TSO PROGRAM DEVELOPMENT                 |            | 5796-AGH |   | 205  |      |      | 24   | G320-8114 | OS,OS/V52 (TSO)      | 1 S H |
| INSTALLMENT LOAN CALCULATOR             |            | 5796-AGQ |   | 265  |      |      | 12   | G320-8121 | DOS/V5               | 1 S H |
| INSTALLMENT LOAN CALCULATOR             |            | 5796-AGR |   | 265  |      |      | 12   | G320-8121 | OS/V5                | 1 S H |
| ONLINE LIST MAINTENANCE SYSTEM          |            | 5796-AGT |   | 450  |      |      | 12   | G320-8117 | DOS/V5               | 1 S H |
| GENERAL PURPOSE TAPE AND DISK SCANS     |            | 5796-AGY |   | 300  |      |      | 01   | G320-8166 | DOS/V5               | 1 S H |
| PERSONAL TRUST SYSTEM                   |            | 5796-AHH |   | 1000 |      |      | 24   | G320-8139 | DOS,CICS             | 1 S H |
| CICS/V5 ONLINE TEST DEBUG II            | OLTD II    | 5796-AHJ |   | 86   |      |      |      | G320-5710 | DOS/V5,OS/V5         | 1 S E |
| IMS 3270 LOCAL COPY FOR ONLINE PRINTING |            | 5796-AHL |   | 190  |      |      | 12   | G320-8150 | IMS/360,IMS/V5       | 1 S H |
| IMS LOG TAPE MANAGEMENT SYSTEM          |            | 5796-AHT |   | 200  |      |      | 12   | G320-8141 | OS/V52, IMS/V5IMS    | 1 S H |
| INVESTMENT PORTFOLIO MANAGEMENT SYSTEM  |            | 5796-AHW |   | 2830 |      |      | 12   | G320-8144 | OS/V52, IMS/V5       | 1 S H |
| COBOL MAINTENANCE AID DOS               |            | 5796-AHY |   | 500  |      |      | 01   | G320-8146 | DOS/V5               | 1 I H |
| COBOL MAINTENANCE AID OS                |            | 5796-AHZ |   | 500  |      |      | 01   | G320-8146 | OS/V5                | 1 I H |
| FREIGHT BILL AUDITING SYSTEM            |            | 5796-AJB |   | 350  |      |      | 12   | G320-8147 | DOS/V5               | 1 I H |
| DATA BASE DUMP FOR DL/I                 |            | 5796-AJE |   | 400  |      |      | 01   | G320-8156 | DOS/V5 DL/I          | 1 S H |
| SVS/MVS SYSTEM & JOB IMPACT ANALYSIS    |            | 5796-AJF |   | 200  |      |      | 12   | G320-8149 | OS/V52               | 0 S H |
| APPAREL BUSINESS SYSTEM                 |            | 5796-AJG |   | 1300 |      |      | 24   | G320-8152 | DOS/V5,CICS/V5       | 1 S H |
| ONLINE LIST MAINTENANCE SYS. CICS       |            | 5796-AJH |   | 450  |      |      | 12   | G320-8117 | DOS/V5               | 1 S H |
| IMS/V5 HDAM RANDOMIZING ALGORITHM       |            | 5796-AJL |   | 945  |      |      | 01   | G320-8157 | OS/V5,IMS/V5,IMS/360 | 1 S H |
| HOSPITAL PAYROLL MANAGEMENT SYS         |            | 5796-AJQ |   | 385  |      |      | 12   | G320-5651 | DOS/V5               | 1 I H |
| STATUTORY GAAP VALUATION SYS            |            | 5796-AJR |   | 1040 |      |      | 12   | G320-5663 | DOS/V5               | 1 I H |
| VSAM ACCESS SUBROUTINES                 |            | 5796-AJW |   | 675  |      |      | 01   | G320-8161 | OS/V51-2             | 1 S H |
| VSAM ACCESS SUBROUTINES                 |            | 5796-AJX |   | 607  |      |      | 01   | G320-8161 | DOS/V5               | 1 S H |
| ONLINE PAYROLL PERSONNEL SYS            |            | 5796-AKH |   | 1200 |      |      | 12   | G320-5757 | CICS/OS/V5           | 1 S H |
| VIDEO SUPPORT AIDS                      |            | 5796-AKK |   | 115  |      |      | 12   | G320-5668 | DOS/V5 CICS/V5       | 1 S H |
| PROOF OF DEPOSIT & TRANSIT ENHANCEMENTS |            | 5796-AKT |   | 300  |      |      | 12   | G320-5687 | DOS/V5,CICS/V5       | 1 S H |
| PROOF OF DEPOSIT & TRANSIT 3890 FEATURE |            | 5796-AKW |   | 720  |      |      | 12   | G320-5687 | DOS/V5,CICS/V5       | 1 S H |
| VS APL FOR TSO                          |            | 5796-ALB |   | 103  |      |      | 24   | G320-5708 | OS/V52 SVS,OS/M      | 1 S H |
| 3890 STATEMENT PREPARATION SORT         |            | 5796-ALP |   | 300  |      |      | 12   | G320-5715 | OS/V51               | 1 S H |
| VSAM CATALOG LIST DOS/V5                |            | 5796-ALQ |   | 70   |      |      | 12   | G320-5716 | DOS/V5               | 1 I H |
| VSAM CATALOG LIST OS                    |            | 5796-ALR |   | 70   |      |      | 12   | G320-5716 | OS/V51,SVS,MVS       | 1 I H |
| DOS/V5 SYSTEM PROGRAMMING AID           |            | 5796-ALX |   | 195  |      |      | 12   | G320-5718 | DOS/V5,CICS/V5       | 1 S H |
| ACTION CENTER SUPPORT SYSTEM DOS/V5     |            | 5796-ALY |   | 175  |      |      | 24   | G320-5717 | DOS/V5,DOS/CICS/V5   | 1 I H |
| ACTION CENTER SUPPORT SYSTEM OS/V5      |            | 5796-ALZ |   | 175  |      |      | 24   | G320-5717 | OS/V5,OS/CICS/V5     | 1 I H |
| NURSE SCHEDULING SYSTEM                 |            | 5796-ANA |   | 550  |      |      | 12   | G320-5721 | DOS/V5,CICS/V5       | 1 S H |
| ONLINE BUDGET ACCOUNTING                |            | 5796-ANC |   | 325  |      |      | 12   | G320-5723 | DOS/V5               | 1 I H |
| 3760 DYNAMIC BTP GENERATOR SYSTEM       |            | 5796-ANF |   | 65   |      |      | 12   | G320-5724 | OS/V51,SVS,MVS       | 1 S H |
| DISK WORK FILE MANAGER FOR DOS/V5       |            | 5796-ANK |   | 100  |      |      | 12   | G320-5741 | DOS/V5               | 1 S H |
| ONLINE NEWSPAPER CIRCULATION SYSTEM     |            | 5796-ANP |   | 1500 |      |      | 12   | G320-5726 | CICS/OS/V5           | 1 S H |
| ONLINE NEWSPAPER CIRCULATION SYSTEM     |            | 5796-ANQ |   | 1500 |      |      | 12   | G320-5726 | CICS/DOS/V5          | 1 S H |

| <u>PROGRAM INFORMATION</u>                      | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|---|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| ONLINE STUDENT REGISTRATION SYSTEM              |                   | 5796-ANH            |            | 450            |                 |                 |                 | 24        | G320-5751           | DOS/VS, CICS/VS                 | 1 I H              |
| AUTOMATED BILL PAYMENT SYSTEM - HOST            |                   | 5796-ANX            |            | 1425           |                 |                 |                 | 12        | G320-5752           | DOS/VS,CICS/VS                  | 1 S H              |
| HEALTH CARE: PATIENT CARE SYSTEM DL/I           | HCS               | 5796-ANY            |            | 2900           |                 |                 |                 | 24        | G320-5756           | CICS/OS/VS, IMS/VS              | 2 S H              |
| A RESPONSE EVALUATION SYSTEM                    |                   | 5796-ANZ            |            | 120            |                 |                 |                 | 12        | GB21-9864           | IIS, IIPS                       | 1 S H              |
| <u>ONLINE LIBRARY CIRCULATION SYSTEM</u>        |                   | <u>5796-APA</u>     |            | <u>200</u>     |                 |                 |                 | <u>24</u> | <u>G320-5760</u>    | <u>DOS/VS,CICS/VS</u>           | <u>1 S H</u>       |
| LABORATORY DATA MANAGEMENT ENHANCED             | LDMS              | 5796-APB            |            | 1200           |                 |                 |                 | 12        | G320-8134           |                                 | 1 S H              |
| ELEMENTARY MATHEMATICS                          | MATH              | 5796-APC            |            | 260            |                 |                 |                 | 24        | G320-5804           | IIS, IIPS (NOT IMS)             | 1 L H              |
| POWER/VS CHARGE-BACK SYSTEM                     |                   | 5796-AQJ            |            | 100            |                 |                 |                 | 12        | G320-5809           | DOS/VS                          | 1 S H              |
| CREDIT CARD SYSTEM - AUTHORIZATIONS             |                   | 5796-AQQ            |            | 850            |                 |                 |                 | 12        | G320-6162           | CICS/VS DOS/VSE                 | 1 S H              |
| EPIC: SOCRATES ONLINE MAINT SYSTEM              |                   | 5796-AQQ            |            | 220            |                 |                 |                 | 12        | G320-5814           | DOS/VS,CICS/VS                  | 1 S H              |
| IMS/VS ONLINE DATA MANAGEMENT UTILITY           |                   | 5796-AQZ            |            | 170            |                 |                 |                 | 12        | G320-5820           | OS/VS                           | 1 S H              |
| 3800 HIGH VOLUME PRINTING PROGRAM               |                   | 5796-ARA            |            | 180            |                 |                 |                 | 12        | G320-5821           | OS/VS                           | 1 S H              |
| IMS/VS RESPONSE TIME MONITOR                    |                   | 5796-ARB            |            | 70             |                 |                 |                 | 12        | G320-5822           | OS/VS                           | 1 S H              |
| IBM 3741 REPORT GENERATOR                       |                   | 5796-ARC            |            | 100            |                 |                 |                 | 12        | G320-5823           |                                 | 1 S H              |
| <u>BANK TELLER 3600 APPLICATION PROGRAM</u>     | <u>BTAP</u>       | <u>5796-ARD</u>     |            | <u>100</u>     |                 |                 |                 | <u>12</u> | <u>G320-5761</u>    | <u>3600</u>                     | <u>1 S H</u>       |
| 3800 .90 DEGREE PRINT PROGRAM                   |                   | 5796-ARE            |            | 260            |                 |                 |                 | 12        | G320-5825           | OS/VS                           | 1 S H              |
| OS/VS1 PRIORITY QUEUE AGING PROCESSOR           |                   | 5796-ARG            |            | 85             |                 |                 |                 | 12        | G320-6050           | OS/VS1                          | 1 S H              |
| DOS/VS CHAINED CCW PRINT SUBROUTINE             |                   | 5796-ARH            |            | 350            |                 |                 |                 | 01        | G320-5828           | DOS/VS                          | 1 S H              |
| DL/I - CICS/VS TEST PROG. STATE INDUST.         |                   | 5796-ARN            |            | 85             |                 |                 |                 | 12        | G320-6053           | DOS/VS                          | 1 S H              |
| <u>MAINT ENGR: PROBLEM CORRECTION REPORTING</u> | <u>M &amp; E</u>  | <u>5796-ARP</u>     |            | <u>2780</u>    |                 |                 |                 | <u>24</u> | <u>G320-6055</u>    | <u>OS/VS2</u>                   | <u>1 S H</u>       |
| MAINT ENGR: CATALOG INQUIRY PARTS ORDERS        | M & E             | 5796-ARQ            |            | 870            |                 |                 |                 | 24        | G320-6055           | OS/VS2                          | 1 S H              |
| MAINT ENGR: COMPONENT MAINTENANCE               | M & E             | 5796-ARR            |            | 1375           |                 |                 |                 | 24        | G320-6055           | OS/VS2                          | 1 S H              |
| MAINT ENGR: TIME ON PARTS / FORECASTING         | M & E             | 5796-ARM            |            | 1225           |                 |                 |                 | 24        | G320-6055           | OS/VS2                          | 1 S H              |
| MAINT ENGR: RELIABILITY                         | M & E             | 5796-ARX            |            | 505            |                 |                 |                 | 24        | G320-6055           | OS/VS2                          | 1 S H              |
| <u>CAD-ONLY INTERACTIVE MODULE</u>              | <u>CADAM (R)</u>  | <u>5796-ATA</u>     | <u>R</u>   | <u>1310</u>    | <u>747</u>      |                 |                 |           | <u>G320-6063</u>    | <u>OS/VS, VM/CMS</u>            | <u>1 S E</u>       |
| CAD/CAM INTERACTIVE MODULE                      | CADAM (R)         | 5796-ATB            | R          | 1510           | 862             |                 |                 |           | G320-6063           | OS/VS, VM/CMS                   | 1 S E              |
| DATA MANAGEMENT MODULE                          | CADAM (R)         | 5796-ATC            | R          | 584            | 333             |                 |                 |           | G320-6063           | OS/VS, VM/CMS                   | 1 S E              |
| HARDCOPY MODULE                                 | CADAM (R)         | 5796-ATD            | R          | 493            | 281             |                 |                 |           | G320-6063           | OS/VS, VM/CMS                   | 1 S E              |
| APT INTERFACE MODULE                            | CADAM (R)         | 5796-ATE            | R          | 402            | 230             |                 |                 |           | G320-6063           | OS/VS, VM/CMS                   | 1 S E              |
| <u>TELECOMMUNICATIONS MODULE</u>                | <u>CADAM (R)</u>  | <u>5796-ATF</u>     | <u>R</u>   | <u>351</u>     | <u>201</u>      |                 |                 |           | <u>G320-6063</u>    | <u>OS/VS</u>                    | <u>1 S E</u>       |
| STATISTICAL DATA MODULE                         | CADAM (R)         | 5796-ATG            | R          | 32             | 18              |                 |                 |           | G320-6063           | OS/VS, VM/CMS                   | 1 S E              |
| ACCOUNTING INFORMATION MODULE                   | CADAM (R)         | 5796-ATH            | R          | 59             | 33              |                 |                 |           | G320-6063           | OS/VS, VM/CMS                   | 1 S E              |
| GEOMETRY INTERFACE MODULE                       | CADAM (R)         | 5796-ATJ            | R          | 342            | 195             |                 |                 |           | G320-6063           | OS/VS, VM/CMS                   | 1 S E              |
| 3270 FULL SCREEN TSO COBOL SUPPORT              |                   | 5796-ATK            |            | 130            |                 |                 |                 | 12        | G320-6067           | OS/VS2 (MVS)                    | 1 S H              |
| <u>IMS/VS EMERGENCY LOG TERMINATOR</u>          | <u>ELT</u>        | <u>5796-ATN</u>     |            | <u>75</u>      |                 |                 |                 |           | <u>G320-6070</u>    | <u>IMS/VS VIR2</u>              | <u>1 I E</u>       |
| IMS/VS MESSAGE REQUEUER                         | MQR               | 5796-ATP            |            | 109            |                 |                 |                 |           | G320-6071           | IMS/VS VIR2                     | 1 I E              |
| TRANSACTION CROSS REFERENCE 3600 4700           |                   | 5796-ATR            |            | 150            |                 |                 |                 | 12        | G320-6077           | DOS/VS, OS/VS, CICS/VS          | 1 S H              |
| 2260 2741 COMPATIBILITY USING VTAM/TCAM         |                   | 5796-ATW            |            | 275            |                 |                 |                 | 12        | G320-6079           | OS/VS1, OS/VS2                  | 1 S H              |
| GLOBAL SHARED ACCESS METHOD                     | GSAM              | 5796-ATX            |            | 300            |                 |                 |                 | 24        | G320-6083           | OS/VS2, SU7                     | 1 S H              |
| <u>3800 SYSTEM DESIGN AND DOCUMENT AID</u>      |                   | <u>5796-ATY</u>     |            | <u>170</u>     |                 |                 |                 | <u>12</u> | <u>G320-6082</u>    | <u>OS/VS</u>                    | <u>1 I H</u>       |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S |   |   |   |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------|---|---|---|
|  |            |              |     |         |          |          |          |    |              |                          | P     | L | V |   |
| HEALTH CARE: DL/I PATIENT CARE           | HCS        | 5796-ATZ     |     | 2900    |          |          |          | 24 | G320-5756    | DOS/VS                   |       | 1 | S | H |
| 3760 AUTOMATED DOS/VS JOB SUBMISSION     |            | 5796-AWA     |     | 60      |          |          |          | 12 | G320-6085    | DOS/VS, 5747-BW1         |       | 1 | S | H |
| LABORATORY DATA MANAGEMENT SYSTEM II     | LDMS II    | 5796-AWC     |     | 1450    |          |          |          | 24 | G320-6080    | DOS/VS                   |       | 1 | S | H |
| 3800 PAGE FORMATTING SERVICES            |            | 5796-AWE     |     | 295     |          |          |          | 12 | G320-6089    | OS/VS                    |       | 1 | S | H |
| 3790 BASIC KEY TO DISK SYS               |            | 5796-AWF     |     | 45      |          |          |          | 24 | G320-6090    | DOS/VS, OS/VS1           |       | 1 | S | H |
| HOST CONTROL FOR REMOTE 3600 & 4700      |            | 5796-AWG     |     | 215     |          |          |          | 12 | G320-6091    | DOS/VS, PC/3600          |       | 1 | S | H |
| LABORATORY DATA ACQUISITION SYSTEM       |            | 5796-AWH     |     | 925     |          |          |          | 24 | G320-6095    | DOS/VSE                  |       | 1 | S | H |
| PATIENT CARE SYSTEM - RADIOLOGY          | PCS        | 5796-AWJ     |     | 460     |          |          |          | 12 | G320-6092    | OS/VS1, OS/VS2           |       | 1 | S | H |
| HEALTH CARE: UTILIZATION REVIEW SYSTEM   | HCS        | 5796-AWN     |     | 700     |          |          |          | 24 | G320-6157    | DOS/VS, DL/I             |       | 1 | S | H |
| CICS/VS ONLINE PROMPTING FACILITY        |            | 5796-AWQ     |     | 170     |          |          |          | 12 | G320-6158    | CICS/VS                  |       | 1 | S | H |
| 3D MESH GEOMETRY MODULE                  | CADAM (R)  | 5796-AWR     | R   | 428     | 244      |          |          |    | G320-6063    | OS/VS, VM/CMS            |       | 0 | S | H |
| 3D SURFACE GEOMETRY MODULE               | CADAM (R)  | 5796-AWT     | R   | 201     | 115      |          |          |    | G320-6063    | OS/VS, VM/CMS            |       | 0 | S | H |
| 3800 90 DEGREE PRINT PROGRAM             |            | 5796-AWX     |     | 260     |          |          |          | 12 | G320-5825    | DOS/VSE                  |       | 1 | S | H |
| FINANCIAL ANALYSIS AND CREDIT EVALUATION |            | 5796-AWY     |     | 450     |          |          |          | 12 | G320-6171    | MVS, TSO                 |       | 1 | S | H |
| 3850 CARTRIDGE OFF-SITE STORAGE SYSTEM   |            | 5796-AWZ     |     | 180     |          |          |          | 12 | G320-6166    | VS1                      |       | 1 | S | H |
| COMMERCIAL BANK 3600 TELLER APPLICATION  |            | 5796-AXK     |     | 120     |          |          |          | 12 | G320-6161    | VS1                      |       | 1 | S | H |
| VSAM SELECTIVE RESTORE                   |            | 5796-AXL     |     | 75      |          |          |          | 12 | G320-6156    | VS1                      |       | 0 | S | H |
| DISPLAY MONITOR FOR TPNS                 |            | 5796-AXN     |     | 110     |          |          |          | 12 | G320-6167    | OS/VS, 5740-XT4          |       | 1 | I | H |
| COMPREHENSIVE THRIFT APPLICATION - HOST  |            | 5796-AXW     |     | 4165    |          |          |          | 24 | G320-6337    | DOS/VSE CICS DL/I        |       | 1 | S | H |
| COMPREHENSIVE THRIFT APPLICATION - 3600  |            | 5796-AXX     |     | 40      |          |          |          | 24 | G320-6337    | 5796-AXW                 |       | 1 | S | H |
| BOND QUOTE SYSTEM                        |            | 5796-AXY     |     | 185     |          |          |          | 12 | G320-6172    | MVS/TSO                  |       | 1 | S | H |
| LONG TERM DEBT MANAGEMENT SYSTEM         |            | 5796-AXZ     |     | 285     |          |          |          | 12 | G320-6330    | VSAPL                    |       | 1 | S | H |
| DISCOVER: CAREER GUIDANCE SYSTEM - BASE  |            | 5796-AYA     |     | 750     |          |          |          | 24 | G320-6176    | DOS/VSE VS1              |       | 1 | S | H |
| CAREER GUIDANCE SYSTEM: SECONDARY SCHOOL | DISCOVER   | 5796-AYB     |     | 250     |          |          |          | 24 | G320-6176    | 5796-AYA                 |       | 1 | S | H |
| CAREER GUIDANCE SYSTEM: ADULTS / COLLEGE | DISCOVER   | 5796-AYC     |     | 250     |          |          |          | 24 | G320-6176    | 5796-AYA                 |       | 1 | S | H |
| JES2 INFORMATION RETRIEVAL SYSTEM - CMS  |            | 5796-AYD     |     | 300     |          |          |          | 12 | G320-6334    | VM/CMS                   |       | 1 | S | H |
| 3890 ONLINE FINE-SORT ENHANCEMENTS       |            | 5796-AYF     |     | 185     |          |          |          | 12 | G320-6329    | 5798-CRC AND CPCS        |       | 1 | S | H |
| SPM II FILE COMPRESSION REPORTING SYSTEM |            | 5796-AYG     |     | 65      |          |          |          | 12 | G320-6332    | DOS/VSE                  |       | 1 | S | H |
| INTER-REGION ACCESS METHOD               |            | 5796-AYH     |     | 300     |          |          |          | 12 | G320-6335    | MVS WITH VSAPL           |       | 1 | S | H |
| GRAPHIC TRAINING AID                     |            | 5796-AYJ     |     | 650     |          |          |          | 12 | G320-6336    | VS1                      |       | 1 | S | H |
| VIRTUAL SPOOLED READER DISPLAY/CMS       |            | 5796-AYK     |     | 80      |          |          |          | 12 | G320-6338    | VM/CMS                   |       | 1 | S | H |
| MEDICAL RECORD ABSTRACT SYSTEM           |            | 5796-AYL     |     | 747     |          |          |          | 24 | G320-6341    | DOS/VSE                  |       | 1 | S | H |
| HEALTH CARE: PATIENT DATA MANAGER        | HCS        | 5796-AYQ     |     | 225     |          |          |          | 12 | G320-6343    | DOS/VS, OS/VS            |       | 1 | S | H |
| HEALTH CARE: PATIENT DATA EDITING        | HCS        | 5796-AYR     |     | 210     |          |          |          | 12 | G320-6344    | DOS/VS, OS/VS            |       | 1 | S | H |
| JOB DOCUMENTATION AND OPERATIONS SETUP   |            | 5796-AYT     |     | 80      |          |          |          | 12 | G320-6340    | DOS/VSE                  |       | 1 | S | H |
| VSAM CONTROL AREA FREESPACE MAP UTILITY  |            | 5796-AYX     |     | 90      |          |          |          | 12 | G320-6346    | OS/VS                    |       | 1 | S | H |
| >FRAME ANALYSIS                          | CAEDS (R)  | 5796-AZA     | T   | 950     |          |          |          |    | G320-6439    | MVS/TSO, VM/CMS          |       | 1 | S | E |
| >FINITE ELEMENT ANALYSIS                 | CAEDS (R)  | 5796-AZB     | T   | 1810    |          |          |          |    | G320-6439    | MVS/TSO, VM/CMS          |       | 1 | S | E |
| DEMAND DEPOSIT / SAVINGS MEMO POST       |            | 5796-AZF     |     | 822     |          |          |          | 24 | G320-6350    | CICS/VS TO DL/I          |       | 1 | S | H |
| SAVINGS SYSTEM - BATCH                   |            | 5796-AZJ     |     | 1165    |          |          |          | 12 | G320-6386    | DL/I DOS/VS              |       | 1 | S | H |



| <u>PROGRAM INFORMATION</u>                         | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|--|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| 3800 LINE INSERTER                                 |                   | 5796-AZK            |            | 85             |                 |                 |                 | 12        | G320-6393           | OS/VS                           | 1 S H              |
| FULL FUNCTION TELLER SYSTEM                        | PC/3600           | 5796-AZL            |            | 420            |                 |                 |                 | 12        | G320-6391           | OS/VS,DOS/VSE                   | 1 S H              |
| ONLINE TELLER ASSIST SYSTEM                        | PC/3600           | 5796-AZN            |            | 260            |                 |                 |                 | 12        | G320-6392           | OS/VS,DOS/VSE                   | 1 S H              |
| ATMS ARCHIVE TAPE CONTENT LISTER                   |                   | 5796-AZQ            |            | 85             |                 |                 |                 | 12        | G320-6389           | OS/VS                           | 1 S H              |
| <u>AUTOMATED PROJECT PLANNING &amp; EVALUATION</u> | <u>APPLES</u>     | <u>5796-AZR</u>     |            | <u>80</u>      |                 |                 |                 | <u>12</u> | <u>G320-6399</u>    | <u>MVS/DOS/VS,VM/CMS</u>        | <u>1 S H</u>       |
| APL SYSTEM EXTENSIONS                              |                   | 5796-AZT            |            | 240            |                 |                 |                 | 12        | G320-6394           | VM/CMS WITH VSAPL               | 1 S H              |
| BANK TELLER AP - COMMERCIAL EXTENSIONS             | BTAP-CE           | 5796-AZX            |            | 120            |                 |                 |                 | 12        | G320-6396           |                                 | 1 S H              |
| >COMBINED DEPOSIT SYSTEM                           |                   | 5796-AZY            | P          | 1660           |                 |                 |                 | 24        | G320-6400           | DOS/VS,DL/I                     | 1 S H              |
| CRITERION REFERENCED TEST REPORTING                |                   | 5796-AZZ            |            | 175            |                 |                 |                 | 12        | G320-6419           | DOS/VSE                         | 1 S H              |
| <u>3800 90 DEGREE PRINT EXTENSIONS</u>             |                   | <u>5796-BAC</u>     |            | <u>65</u>      |                 |                 |                 | <u>12</u> | <u>G320-6418</u>    | <u>5796-ARE,-AWX</u>            | <u>1 S H</u>       |
| SUPERMARKET CASHIER PERFORMANCE SYSTEM             |                   | 5796-BAE            |            | 180            |                 |                 |                 | 12        | G320-6407           | DOS/VSE                         | 1 S H              |
| UNIVERSAL DUMP, ALTER, COPY, & SELECT              | UDACS             | 5796-BAF            |            | 50             |                 |                 |                 | 12        | G320-6405           | OS/VS                           | 1 S H              |
| >CICS/VS APPLICATION DEVELOPMENT STRUCTUR          |                   | 5796-BAJ            |            | 725            |                 |                 |                 | 12        | G320-6409           | CICS/OS/VS                      | 1 S H              |
| EDUCATION INFORMATION SYSTEM - DATA BASE           |                   | 5796-BAZ            |            | 488            |                 |                 |                 | 24        | G320-6424           | DOS/VSE DMS DL/I                | 1 S H              |
| <u>COMPUTER ASSISTED PHARMACY SYSTEM</u>           |                   | <u>5796-BBD</u>     |            | <u>5375</u>    |                 |                 |                 | <u>24</u> | <u>G320-6422</u>    | <u>MVS</u>                      | <u>1 S H</u>       |
| DIRECT STORE VENDOR DELIVERY CONTROL               |                   | 5796-BBE            |            | 655            |                 |                 |                 | 24        | G320-6423           | DOS/VS CICS DL/I                | 1 S H              |
| 3624 TELLER MACHINE IMS/VS HOST SUPPORT            |                   | 5796-BBG            |            | 1725           |                 |                 |                 | 12        | G320-6427           | MVS,ACF/VTAM                    | 1 S H              |
| >AUTOMATED TELLER HOST ENHANCEMENTS                | FAAT              | 5796-BBH            |            | 105            |                 |                 |                 | 12        | G320-6428           | DOS/VS, CICS/VS                 | 1 S H              |
| >AUTOMATED TELLER HOST SUPPORT                     | FAAT              | 5796-BBJ            |            | 2235           |                 |                 |                 | 12        | G320-6428           | CICS/DOS/VS                     | 1 S H              |
| <u>COMPUTER ASSISTED PHARMACY SYSTEM</u>           |                   | <u>5796-BBK</u>     |            | <u>5375</u>    |                 |                 |                 | <u>24</u> | <u>G320-6430</u>    | <u>DOS/VSE</u>                  | <u>1 S H</u>       |
| CIRCUIT BOARD DESIGN SYSTEM - BASE                 | PCB               | 5796-BBL            |            | 2415           |                 |                 |                 |           | G320-6431           | VM/CMS                          | 1 S E              |
| CIRCUIT BOARD DESIGN VERIFICATION SYSTEM           | PCB               | 5796-BBN            |            | 598            |                 |                 |                 |           | G320-6431           | VM/CMS 5796-BBL                 | 1 S E              |
| CIRCUIT BOARD DESIGN DATA STORAGE SYSTEM           | PCB               | 5796-BBP            |            | 598            |                 |                 |                 |           | G320-6431           | VM/CMS 5796-BBL                 | 1 S E              |
| 8100 / 3640 SHOP FLOOR CONTROL SYSTEM              |                   | 5796-BBR            |            | 345            |                 |                 |                 | 12        | G320-6432           | DPPX                            | 1 S H              |
| <u>ENGLISH COMMUNICATIONS SKILLS II</u>            | <u>COMSKL/CAI</u> | <u>5796-BBT</u>     |            | <u>385</u>     |                 |                 |                 | <u>12</u> | <u>G320-6433</u>    | <u>IIS,IIPS</u>                 | <u>1 I H</u>       |
| >CREDIT UNION SYSTEM - HOST                        |                   | 5796-BBW            | P          | 2250           |                 |                 |                 | 24        | G320-6666           | DOS/VS/VSE,CICS/VS              | 1 S H              |
| >CREDIT UNION SYSTEM - TELLER                      |                   | 5796-BBX            | P          | 100            |                 |                 |                 | 12        | G320-6666           | 5796-BBW                        | 1 S H              |
| >CREDIT UNION SYSTEM - ATM                         |                   | 5796-BBY            | P          | 220            |                 |                 |                 | 24        | G320-6666           | 5796-BBW                        | 1 S H              |
| >COMPUTER AIDED ENGINEERING DESIGN SYSTEM          | CAEDS (R)         | 5796-BBZ            | T          | 865            |                 |                 |                 |           | G320-6639           | MVS/TSD,VM/CMS                  | 1 S E              |
| >RETAIL MERCHANDISE TICKETING                      |                   | 5796-BCA            |            | 250            |                 |                 |                 | 24        | G320-6625           | DPPX                            | 1 S H              |
| >PATIENT CARE: INFECTION DATA MANAGEMENT           | PCS               | 5796-BCC            |            | 540            |                 |                 |                 | 12        | G320-6627           | OS/VS,PCS                       | 1 S H              |
| >PATIENT CARE: APPLICATION EXECUTION               | PCS               | 5796-BCE            |            | 500            |                 |                 |                 |           | G320-6651           | OS/VS,DOS/VSE,DL/I              | 1 S E              |
| >PATIENT CARE: APPLICATION PREPARATION             | PCS               | 5796-BCF            |            | 425            |                 |                 |                 |           | G320-6651           | OS/VS,DOS/VSE,DL/I              | 1 S E              |
| >HOST DOCUMENT VIEW FACILITY                       |                   | 5796-BCL            | P          | 180            |                 |                 |                 | 24        | G320-6640           | MVS,DISOSS,IMS,CICS             | 1 S H              |
| >8100 SEGMENTED ACCESS METHOD                      | SAM               | 5796-BCQ            |            | 270            |                 |                 |                 | 12        | G320-6639           | DPPX,DTMS                       | 1 S H              |
| >RAMS II STUDENT SERVICE SYSTEM                    |                   | 5796-BCR            | P          | 410            |                 |                 |                 | 24        | G320-6661           | VSE,DL/I,5735-E91               | 1 S H              |
| >RM BASIC  |                   | 5796-BCX            | P          | 75             |                 |                 |                 |           | G320-6658           | VM/CMS                          | 1 S E              |
| >DRUID CITY--PSRO HOSP UTILIZATN                   |                   | 5796-NBE            |            | 172            |                 |                 |                 | 12        | GB30-0592           | SYSTEM/3                        | 1 I H              |
| >STATESMAN--ALPHA SEARCH                           |                   | 5796-NBZ            |            | 86             |                 |                 |                 | 24        | GB30-0638           | SYSTEM/3                        | 1 S H              |
| >NAVY YARD CREDIT UNION--ONLINE                    |                   | 5796-NCH            |            | 339            |                 |                 |                 | 24        | GB30-0642           | SYSTEM/3                        | 1 I H              |

| PROGRAM INFORMATION               | SHORT NAME | ORDER    | T | LIC  | DSLO | LLPS | MLPS | GENERAL | ENVIRONMENT | T            | I | S |   |
|-----------------------------------|------------|----------|---|------|------|------|------|---------|-------------|--------------|---|---|---|
|                                   |            | NUMBER   | C | FEE  | FEE  | FEE  | FEE  | HO      | INFO        | OR FEATURE # | P | L | V |
| >DEACONESS HOSP--ONLINE ADMISSION |            | 5796-NJB |   | 322  |      |      |      | 12      | GB30-0889   | SYSTEM/3     | 1 | I | H |
| >INTERACTIVE PURCHASING SYSTEM    |            | 5796-NJH |   | 230  |      |      |      | 12      | GB30-0911   | SYSTEM/3     | 1 | I | H |
| >ONLINE ADMINISTRATIVE CONTROL    |            | 5796-NJJ |   | 258  |      |      |      | 12      | GB30-0914   | SYSTEM/3     | 1 | S | H |
| >RETAIL PHARMACY SYSTEM           |            | 5796-NLC |   | 287  |      |      |      | 12      | GB30-1000   | SYSTEM/32    | 1 | S | H |
| >HOTEL FRONT OFFICE MGMNT SYS     |            | 5796-NLF |   | 632  |      |      |      | 12      | GB30-1020   | SYSTEM/32    | 1 | I | H |
| >ONLINE PURCH & RECEIVING SYS     |            | 5796-NLQ |   | 345  |      |      |      | 12      | GB30-1041   | SYSTEM/3     | 1 | S | H |
| >MORTGAGE LOAN ACCTG SYSTEM       |            | 5796-NNH |   | 276  |      |      |      | 12      | GB30-1063   | SYSTEM/3     | 1 | S | H |
| >VEHICLE MAINT/PARTS INVENTORY    |            | 5796-NNN |   | 460  |      |      |      | 12      | GB30-1067   | SYSTEM/32    | 1 | S | H |
| >RETAIL MERCHANDISING SYSTEM      |            | 5796-NPA |   | 391  |      |      |      | 12      | GB30-1081   | SYSTEM/32    | 1 | S | H |
| >DEBUGGING AID                    |            | 5796-NPP | P | 189  |      |      |      | 01      | GB30-1098   | SERIES/1     | 0 | S | H |
| >CONSTRUCTION ESTIMATING & BID    |            | 5796-NPQ |   | 172  |      |      |      | 12      | GB30-1146   | SYSTEM/32    | 1 | S | H |
| >VIRTUAL COBOL SUBSYSTEM COMPILER |            | 5796-NPW |   | 356  |      |      |      | 12      | GB30-1100   | SERIES/1     | 1 | S | H |
| >CONSTRUCTION PAYROLL/JOB COST    |            | 5796-NQA |   | 155  |      |      |      | 12      | GB30-1126   | 5120 SYSTEM  | 1 | S | H |
| >COMPREHENSIVE CONSTR PR/JOB COST |            | 5796-NQB |   | 184  |      |      |      | 12      | GB30-1129   | 5120 SYSTEM  | 1 | S | H |
| >SUPERMARKET ENERGY MANAGEMENT    |            | 5796-NQC | P | 90   |      |      |      | 12      | GB30-1132   | SERIES/1     | 1 | S | H |
| >WATERLOD INTERACTIVE DIR J/E     |            | 5796-NQE | P | 166  |      |      |      | 12      | GB30-1138   | SERIES/1     | 1 | S | H |
| >APPAREL ORDER ENTRY & CONTROL    |            | 5796-NQP |   | 575  |      |      |      | 12      | GB30-1178   | SYSTEM/32    | 1 | S | H |
| >RETAIL CREDIT SYSTEM             |            | 5796-NQY |   | 460  |      |      |      | 12      | GB30-1194   | SYSTEM/32    | 1 | S | H |
| >PATIENT ORDER MGMNT/COMM SYS     |            | 5796-NRA |   | 805  |      |      |      | 12      | GB30-1165   | SYSTEM/3     | 1 | S | H |
| >O/L MED RECORDS SYS - 12/15/15D  |            | 5796-NRB |   | 288  |      |      |      | 12      | GB30-1198   | SYSTEM/3     | 1 | S | H |
| >CHAMPION DISTRIBUTED PROC SYSTEM |            | 5796-NRD | P | 195  |      |      |      | 12      | GB30-1207   | SERIES/1     | 1 | S | H |
| >INDEPENDENT AGENTS/BROKERS ACCTG |            | 5796-NRJ |   | 333  |      |      |      | 24      | GB30-1209   | SYSTEM/32    | 1 | S | H |
| >TRUST DEPT ACCOUNTING SYSTEM     |            | 5796-NRY |   | 575  |      |      |      | 12      | GB30-0559   | SYSTEM/32    | 1 | S | H |
| >APPAREL ACCOUNTS RECEIVABLE      |            | 5796-NRZ |   | 195  |      |      |      | 12      | GB30-1178   | SYSTEM/32    | 1 | S | H |
| >APPAREL ORDER ALLOCATION         |            | 5796-NTA |   | 195  |      |      |      | 12      | GB30-1178   | SYSTEM/32    | 1 | S | H |
| >MANUFACTURING DATA GENERATORS    |            | 5796-NTB |   | 81   |      |      |      | 06      | GB30-1222   | SYSTEM/32    | 1 | S | H |
| >TRUST DEPT ACCOUNTING SYSTEM     |            | 5796-NTC |   | 575  |      |      |      | 12      | GB30-0559   | SYSTEM/34    | 1 | S | H |
| >RETAIL VENDOR ACCTS PAY SYSTEM   |            | 5796-NTD |   | 115  |      |      |      | 12      | GB30-0771   | SYSTEM/32    | 1 | S | H |
| >PUBLIC WHSE INVNTY CONTROL       |            | 5796-NTN |   | 276  |      |      |      | 12      | GB30-1250   | SYSTEM/32    | 1 | S | H |
| >PXS PREPARATION SUPPORT          |            | 5796-NTP | P | 52   |      |      |      | 12      | GB30-1255   | SERIES/1     | 1 | S | H |
| >PXS EXECUTION SUPPORT            |            | 5796-NTQ | P | 52   |      |      |      | 12      | GB30-1255   | SERIES/1     | 1 | S | H |
| >REMOTE JOB ENTRY FOR POWER/VS    |            | 5796-NTR |   | 172  |      |      |      | 06      | GB30-1253   | SYSTEM/34    | 1 | S | H |
| >REAL ESTATE ACCTG/MKTG SYSTEM    |            | 5796-NTT |   | 373  |      |      |      | 12      | GB30-1260   | SYSTEM/32    | 1 | S | H |
| >MULTILEAVING REMOTE JOB ENTRY    |            | 5796-NTY | P | 143  |      |      |      | 12      | GB30-1272   | SERIES/1     | 1 | S | H |
| >S/32 ADVERT A/R & CIRCULATION    |            | 5796-NWG |   | 603  |      |      |      | 12      | GB30-1297   | SYSTEM/32    | 1 | S | H |
| >WATERLOD BASIC COMPILER AND RTM  |            | 5796-NWL |   | 110  |      |      |      | 36      | GB30-1310   | SERIES/1     | 1 | S | H |
| >HVY EQUIP DLR PARTS OE/INV STAT  |            | 5796-NWZ |   | 575  |      |      |      | 12      | GB30-1322   | SERIES/1     | 1 | S | H |
| >S/34 CONSTRUCTION EST - CONTROL  |            | 5796-NXE |   | 391  |      |      |      | 12      | GB30-1355   | SYSTEM/34    | 1 | S | H |
| >S/34 CONSTRUCTION EST - GEN CONT |            | 5796-NXF |   | 517  |      |      |      | 12      | GB30-1355   | SYSTEM/34    | 1 | S | H |
| >S/34 CONSTR ESTIM SYS - ELEC     |            | 5796-NXH |   | 1060 |      |      |      | 12      | GB30-1572   | SYSTEM/34    | 1 | S | H |

| <u>PROGRAM INFORMATION</u>              | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|---|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| >S/34 ADVERT A/R & CIRCULATION          |                   | 5796-NXN            |            | 603            |                 |                 |                 | 12        | GB30-1297           | SYSTEM/34                       | 1 S H              |
| >PROGRAM DOCUMENTATION AID              |                   | 5796-NXP            |            | 345            |                 |                 |                 | 01        | GB30-1333           | 5120 SYSTEM                     | 0 S H              |
| >S/34 CONSTRUCTION EST-MGR EXTENS       |                   | 5796-NYE            |            | 460            |                 |                 |                 | 12        | GB30-1355           | SYSTEM/34                       | 1 S H              |
| >S/34 ONLINE APPOINTMENT SYSTEM         |                   | 5796-NZP            |            | 258            |                 |                 |                 | 12        | GB30-1440           | SYSTEM/34                       | 1 S H              |
| >S/1 EDX RETAIL PHARMACY SYSTEM         |                   | 5796-NZT            |            | 195            |                 |                 |                 | 24        | GB30-1421           | SERIES/1                        | 1 S H              |
| >S/34 CABLE TV O/L CUSTOMER SERV        |                   | 5796-NZW            |            | 356            |                 |                 |                 | 24        | GB30-1426           | SYSTEM/34                       | 1 S H              |
| >S/34 ONLINE FREIGHT BILL/RATE          |                   | 5796-NZX            |            | 345            |                 |                 |                 | 12        | GB30-1461           | SYSTEM/34                       | 1 S H              |
| IMS MAP                                 | IMSMAP            | 5796-PBC            |            | 363            |                 |                 |                 | 01        | G320-1523           | OS/V5 IMS/V5                    | 0 S H              |
| TEST IMS UTILITIES                      |                   | 5796-PBE            |            | 151            |                 |                 |                 | 12        | G320-1523           | OS/IMS                          | 1 S H              |
| ADVANCED STATISTICAL ANALYSIS           | ASTAP             | 5796-PBH            |            | 1350           |                 |                 |                 | 24        | G320-8063           | OS/MFT/MVT/V5                   | 2 I H              |
| DC ANALYZER                             |                   | 5796-PCA            |            | 248            |                 |                 |                 | 12        | G320-1532           | OS,OS/V5,IMS/V5                 | 1 S H              |
| DOS MAP DL/I                            |                   | 5796-PCW            |            | 70             |                 |                 |                 | 12        | G320-8159           | DL/1 DOS/V5                     | 0 S H              |
| DATA BASE STRUCTURE MAPPING / VS        | IMSMAP/V5         | 5796-PCY            |            | 288            |                 |                 |                 | 01        | G320-1538           | OS/V51/V52,IMS/V5               | 0 S H              |
| TEST IMS/V5 UTILITIES                   |                   | 5796-PDA            |            | 100            |                 |                 |                 | 12        | G320-1540           | OS/V51/V52,IMS/V5               | 1 S H              |
| JOB CONTROL LANGUAGE EDITOR             |                   | 5796-PDC            |            | 148            |                 |                 |                 | 06        | G320-1542           | OS/MFT,MVT,V51,V52              | 1 S H              |
| PHS IV NETWORK PLOTTING PROGRAM         |                   | 5796-PDE            |            | 350            |                 |                 |                 | 12        | G320-5531           | OS,OS/V5                        | 1 S H              |
| AUDIT SOURCE CODE COMPARE               |                   | 5796-PDF            |            | 90             |                 |                 |                 | 12        | G320-5532           | DOS/V5                          | 1 I H              |
| INTERACTIVE QUERY & REPORT PROCESSOR    | IQRP              | 5796-PDG            |            | 1360           |                 |                 |                 | 24        | G320-1544           | OS/V51,V52                      | 1 S H              |
| WIDEBAND COMMUNICATION PROGRAM          | WCP               | 5796-PDJ            |            | 600            |                 |                 |                 | 12        | G320-5540           | OS/V51,OS/V52                   | 1 S H              |
| APL ECONOMETRIC PLANNING LANGUAGE       | EPLAN             | 5796-PDW            |            | 224            |                 |                 |                 | 12        | G320-5535           | APLSV                           | 1 I H              |
| INTRODUCING .... THE COMPUTER           | INTCOM            | 5796-PDX            |            | 180            |                 |                 |                 | 12        | G320-5536           | IIS,IIPS                        | 1 L H              |
| ASSEMBLER H CMS INTERFACE               |                   | 5796-PEJ            |            | 136            |                 |                 |                 | 12        | G320-5541           | VM/CMS                          | 1 S H              |
| HIPODRAW                                |                   | 5796-PFF            |            | 200            |                 |                 |                 | 24        | G320-5546           | DOS/V5,OS/V51                   | 1 I H              |
| FORTRAN CONVERSION AID                  |                   | 5796-PFG            |            | 5000           |                 |                 |                 | 01        | G320-8154           | OS/V5,VM/CMS                    | 1 I H              |
| DISK VOLUME MAP                         |                   | 5796-PFL            |            | 70             |                 |                 |                 | 12        | G320-5550           | OS/MVT/MFT,OS/V5                | 1 I H              |
| AUTOMATIC PASSWORD GENERATION FOR TSO   |                   | 5796-PFR            |            | 80             |                 |                 |                 | 12        | G320-5653           | OS/V52 (TSO)                    | 1 S H              |
| APL FORECASTING & TIME SERIES ANALYSIS  |                   | 5796-PFX            |            | 382            |                 |                 |                 | 12        | G320-5664           | APLSV,APL/CMS,VSAPL             | 1 I H              |
| 3661 FILE CREATION PROGRAM              |                   | 5796-PFZ            |            | 185            |                 |                 |                 | 12        | G320-5678           | DOS/V51,V51,V52,VTAM            | 1 I H              |
| IMS TRANSACTION PROFILES PROGRAM        |                   | 5796-PGG            |            | 250            |                 |                 |                 | 12        | G320-5667           | IMS/360,IMS/V5                  | 1 I H              |
| EVENT DRIVEN EXECUTIVE                  | EDX               | 5796-PGH            |            | 825            |                 |                 |                 | 12        | G320-5677           | OS/MVT,MVS                      | 1 S H              |
| OS/V51 PERFORMANCE TOOL                 | VS1PT             | 5796-PGL            |            | 345            |                 |                 |                 |           | G320-5680           | OS/V51                          | 1 S E              |
| BATCH TERMINAL SIMULATOR II             | BTS II            | 5796-PGT            |            | 230            |                 |                 |                 |           | G320-5686           | IMS/V5 V1R2                     | 1 S E              |
| APL FUNCTION EDITOR FOR VS APL          |                   | 5796-PGY            |            | 98             |                 |                 |                 | 12        | G320-5689           | VSAPL                           | 1 S H              |
| BATCH MONITOR FOR VM/CMS                |                   | 5796-PGZ            |            | 170            |                 |                 |                 | 12        | G320-5691           | VM/CMS                          | 1 S H              |
| SMF JOB DATA COMPRESSION AID            | JDCA              | 5796-PHN            |            | 132            |                 |                 |                 |           | G320-5714           | OS, OS/V5                       | 1 I E              |
| STORAGE DEVICE MIGRATION AID            | SDMA              | 5796-PHP            |            | 197            |                 |                 |                 |           | G320-5714           | OS, OS/V5                       | 1 I E              |
| JES 3 MONITORING FACILITY               |                   | 5796-PHR            |            | 250            |                 |                 |                 | 12        | G320-5713           | MVS JES 3                       | 1 S H              |
| APL STATISTICAL LIBRARY                 |                   | 5796-PHW            |            | 240            |                 |                 |                 | 12        | G320-5688           | VSAPL                           | 1 I H              |
| IMS APPLICATION DEVELOPMENT FACILITY II | ADF II            | 5796-PHX            |            | 632            |                 |                 |                 |           | G320-5744           | IMS/V5 V1R2                     | 1 S E              |
| MASS STORAGE TABLE MAINTENANCE PROGRAM  | MSSTMP            | 5796-PHY            |            | 197            |                 |                 |                 |           | G320-5742           | V51,V52                         | 1 I E              |

| <u>PROGRAM INFORMATION</u>                    | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|---|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| TSO / IQRP INTERFACE                          |                   | 5796-PHZ            |            | 300            |                 |                 |                 | 24        | G320-5719           | OS/V52,TSO                      | 1 S H              |
| CMS EXEC ENHANCEMENTS                         |                   | 5796-PJA            |            | 140            |                 |                 |                 | 12        | G320-5728           | VM/CMS                          | 1 I H              |
| APL DECISION TABLE PROCESSOR & CODE GEN.      |                   | 5796-PJB            |            | 500            |                 |                 |                 | 12        | G320-5738           | APLSV,VSAPL                     | 1 S H              |
| GENERAL PURPOSE SIMULATION SYSTEM VSAPL       | GPSS-APL          | 5796-PJG            |            | 90             |                 |                 |                 | 24        | G320-5745           | 5748-API                        | 1 I H              |
| <u>TELPAK OPTIMIZATION SYSTEM</u>             |                   | <u>5796-PJH</u>     |            | <u>3000</u>    |                 |                 |                 | <u>12</u> | <u>G320-5747</u>    | <u>OS/V5</u>                    | <u>1 I H</u>       |
| IMS SPACE MANAGEMENT UTILITIES II             | SMU II            | 5796-PJJ            |            | 140            |                 |                 |                 |           | G320-5753           | IMS/V5 V1R2                     | 1 S E              |
| DBPROTOTYPE II                                |                   | 5796-PJK            |            | 180            |                 |                 |                 |           | G320-5754           | IMS/V5 V1R2                     | 1 S E              |
| DISPLAY EDITING SYSTEM FOR CMS - DES          | EDGAR             | 5796-PJP            |            | 60             |                 |                 |                 |           | G320-5762           | VM/CMS                          | 1 S E              |
| VSAMZAP FOR OS/V5                             |                   | 5796-PJQ            |            | 48             |                 |                 |                 | 12        | G320-5826           | OS/V5                           | 1 I H              |
| <u>VSAPL ADVANCED STATISTICS LIBRARY</u>      | <u>STATLIB2</u>   | <u>5796-PJT</u>     |            | <u>212</u>     |                 |                 |                 | <u>12</u> | <u>G320-5811</u>    | <u>VSAPL</u>                    | <u>1 I H</u>       |
| APL INTERACTIVE TRAINING COURSE               |                   | 5796-PJN            |            | 40             |                 |                 |                 | 24        | G320-5812           | 5748-API                        | 1 S H              |
| MSS TRACE SMF CORRELATION AID                 |                   | 5796-PJX            |            | 125            |                 |                 |                 | 24        | G320-5810           | OS/V5                           | 1 I H              |
| HOST REMOTE NODE ENTRY SYSTEM                 | HRNES             | 5796-PJY/01         |            | 120            |                 |                 |                 | 24        | G320-5813           | OS/V51                          | 1 S H              |
| HOST REMOTE NODE ENTRY SYSTEM SUPPORT         | HRNES             | 5796-PJY/02         |            | 525            |                 |                 |                 | 01        | G320-5813           | 9583-9584                       | 0 S H              |
| <u>APL DATA INTERFACE UNDER VSPC</u>          | <u>APL/DI</u>     | <u>5796-PKB</u>     |            | <u>240</u>     |                 |                 |                 | <u>24</u> | <u>G320-5758</u>    | <u>VSPC WITH VSAPL</u>          | <u>1 S H</u>       |
| GENERAL CROSS ASSEMBLER GENERATOR             |                   | 5796-PKD            |            | 550            |                 |                 |                 | 12        | G320-5824           | APLSV, VSAPL                    | 1 S H              |
| DL/I SPACE MANAGEMENT UTILITIES               | SMU               | 5796-PKF            |            | 79             |                 |                 |                 |           | G320-6072           | DOS/V5 DL/I                     | 1 S E              |
| VSAMZAP FOR DOS/V5                            |                   | 5796-PKG            |            | 60             |                 |                 |                 | 12        | G320-5826           | DOS/V5                          | 1 I H              |
| BULK DATA TRANSFER                            |                   | 5796-PKK            |            | 60             |                 |                 |                 | 24        | G320-6060           | OS/V52                          | 1 S H              |
| <u>LIST PROCESSOR 370</u>                     | <u>LISP/370</u>   | <u>5796-PKL</u>     |            | <u>1500</u>    |                 |                 |                 | <u>24</u> | <u>G320-6061</u>    | <u>OS/V52, VM/CMS</u>           | <u>1 S H</u>       |
| APL/DI FILE CREATE USING PL/I                 |                   | 5796-PPK            |            | 85             |                 |                 |                 | 12        | G320-6066           | 5796-PJZ,-PKA,-PKB              | 1 S H              |
| FORTRAN H EXTENDED OPTIMIZATION ENHANCED      |                   | 5796-PPR            |            | 128            |                 |                 |                 |           | G320-6064           | OS/V5, VM/CMS                   | 1 S E              |
| QUERY BY EXAMPLE                              | QBE               | 5796-PPK            |            | 373            |                 |                 |                 |           | G320-6062           | VM/CMS                          | 1 S E              |
| IMS APL DATA LINK FOR TSO                     |                   | 5796-PKW            |            | 442            |                 |                 |                 |           | G320-6065           | TSO WITH VSAPL                  | 1 S E              |
| <u>ACF/VTAM &amp; NOSP DEFINITION AID</u>     |                   | <u>5796-PKY</u>     |            | <u>600</u>     |                 |                 |                 | <u>01</u> | <u>G320-6060</u>    | <u>OS/V5</u>                    | <u>0 S H</u>       |
| VM/CMS SPOOLING FOR LOCAL 328X PRINTER        |                   | 5796-PKZ            |            | 60             |                 |                 |                 | 12        | G320-6073           | VM/CMS                          | 1 S H              |
| IMS APL DATA LINK FOR VSPC                    |                   | 5796-PLA            |            | 356            |                 |                 |                 |           | G320-6054           | VSPC WITH VSAPL                 | 1 S E              |
| IMS APL DATA LINK FOR VM/CMS                  |                   | 5796-PLE            |            | 442            |                 |                 |                 |           | G320-6098           | VM/CMS WITH VSAPL               | 1 S E              |
| STAIRS/V5 TRAINING COURSE                     | STAIRS            | 5796-PLF            |            | 250            |                 |                 |                 | 12        | G320-6078           | IIS,IIPS                        | 1 L H              |
| <u>DATA BASE EXTRACTING AND RESTRUCTURING</u> | <u>EXPRESS</u>    | <u>5796-PLH</u>     |            | <u>462</u>     |                 |                 |                 |           | <u>G320-6160</u>    | <u>IMS/VS PL/I</u>              | <u>1 S E</u>       |
| RACF CODES UPDATE SYSTEM                      |                   | 5796-PLK            |            | 90             |                 |                 |                 | 12        | G320-6093           | MVS AND RACF                    | 1 S H              |
| PL/I LANGUAGE CONSTRUCTION PREPROCESSOR       |                   | 5796-PLL            |            | 140            |                 |                 |                 | 12        | G320-6096           | OS/V5, VM/CMS                   | 1 S H              |
| A DEPARTMENTAL REPORTING SYSTEM II            | ADRS-II           | 5796-PLN/01         |            | 152            |                 |                 |                 |           | G320-6097           | VSAPL                           | 1 I E              |
| QBE TO ADRS II BRIDGE FEATURE                 | 6027,6028         | 5796-PLN/02         |            | 52             |                 |                 |                 |           | G320-6097           | 6027-6028                       | 1 I E              |
| <u>ADRS II BUSINESS GRAPHICS FEATURE</u>      | <u>6029,6030</u>  | <u>5796-PLN/03</u>  |            | <u>85</u>      |                 |                 |                 |           | <u>G320-6668</u>    | <u>VSAPL</u>                    | <u>1 I E</u>       |
| APL HANDBOOK OF TECHNIQUES WORKSPACE          |                   | 5796-PLP            |            | 175            |                 |                 |                 | 01        | G320-6153           | VS APL(5748AP1)                 | 0 L H              |
| VSE PERFORMANCE TOOL                          | VSE/PT            | 5796-PLQ            |            | 201            |                 |                 |                 |           | G320-6155           | DOS/V5,DOS/VSE                  | 1 S E              |
| INTERACTIVE CIRCUIT DESIGN                    |                   | 5796-PLR            |            | 862            |                 |                 |                 | 24        | G320-6164           | VSAPL, APLSV                    | 1 S H              |
| APPLICANT TRACKING SYSTEM                     |                   | 5796-PLT            |            | 1100           |                 |                 |                 | 12        | G320-6333           | VM/CMS                          | 1 S H              |
| JES3 MONITORING FACILITY II                   | JMON              | 5796-PLW            |            | 170            |                 |                 |                 |           | G320-6159           | MVS                             | 1 S E              |

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|---|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
| APL MULTIVARIATE TIME SERIES ANALYSIS   |                   | 5796-PLX            |            | 400            |                 |                 |                 | 12        | G320-6169           | VSAPL                           | 1 I H              |
| EXTENDED EDITOR AND FULL SCREEN MANAGER |                   | 5796-PLY            |            | 68             |                 |                 |                 |           | G320-6168           | VSAPL WITH VM, TSO              | 1 S E              |
| SOURCE COMPARE AUDIT UTILITY            | SUPER-C           | 5796-PLZ            |            | 100            |                 |                 |                 | 24        | G320-6163           | VS1 VM/CMS MVS                  | 1 I H              |
| VM REAL TIME MONITOR                    |                   | 5796-PNA            |            | 44             |                 |                 |                 |           | G320-6165           | VM/CMS                          | 1 S E              |
| APL WORKSPACE STRUCTURE ANALYZER        |                   | 5796-PNB            |            | 170            |                 |                 |                 | 12        | G320-6170           | VSAPL                           | 1 S H              |
| TELEPROCESSING VIRTUAL MACHINE          | TPVM              | 5796-PNC            |            | 207            |                 |                 |                 | 24        | G320-6328           | VM/CMS                          | 1 S H              |
| DOCUMENT COMPOSITION TRAINING           | DCF               | 5796-PNE            |            | 100            |                 |                 |                 | 12        | G320-6331           | IIS, IIPS                       | 1 L H              |
| AUDIT FILE COMPARE PROGRAM              |                   | 5796-PNF            |            | 100            |                 |                 |                 | 12        | G320-6339           | OS/VS                           | 1 S H              |
| APL DATA INTERFACE - VERSION II         | APL/DI II         | 5796-PNG            |            | 264            |                 |                 |                 |           | G320-6348           | VM/CMS WITH VSAPL               | 1 S E              |
| >APL DATA INTERFACE II FOR TSO          | APL/DI II         | 5796-PNJ            |            | 250            |                 |                 |                 |           | G320-6415           | TSO                             | 1 S E              |
| COMMUNICATIONS DESIGN & DEVELOPMENT AID |                   | 5796-PNL            |            | 150            |                 |                 |                 | 12        | G320-6349           | DPPX/8100                       | 1 S H              |
| PL/I GENERAL PURPOSE SIMULATION SYSTEM  | GPSS              | 5796-PNN            |            | 149            |                 |                 |                 | 24        | G320-6398           | VM/CMS, MVS                     | 1 S H              |
| SOFTCOPY - A CADAM (R) DRAWING VIEWER   |                   | 5796-PNP            |            | 293            |                 |                 |                 |           | G320-6388           | MVS-TSO, VM/CMS, 3277G          | 1 S E              |
| PASCAL/VS COMPILER                      |                   | 5796-PNQ            |            | 188            |                 |                 |                 |           | G320-6387           | VM/CMS OS/VS                    | 1 S E              |
| DTMS UTILITY                            |                   | 5796-PNR            |            | 81             |                 |                 |                 | 24        | G320-6397           | DPPX DTMS                       | 1 S H              |
| VM DISKETTE COPY                        |                   | 5796-PNT            |            | 65             |                 |                 |                 | 12        | G320-6406           | VM/CMS, DISKETTE RDR            | 1 S H              |
| MVS PAGING SYSTEM - EXTENDED SWAP       |                   | 5796-PNW            |            | 145            |                 |                 |                 | 12        | G320-6403           | MVS/SE MVS/SP                   | 1 S H              |
| VM VIRTUAL TAPE LIBRARIAN               | VLIB              | 5796-PNZ            |            | 46             |                 |                 |                 | 24        | G320-6421           | VM/CMS PL/I                     | 1 S H              |
| PANEL 2 LINE ART PROGRAM                |                   | 5796-PPA            |            | 86             |                 |                 |                 | 24        | G320-6420           | VM/370, OS/VS                   | 1 S H              |
| NETWORK MONITOR FOR VTAM APPLICATIONS   |                   | 5796-PPB            |            | 150            |                 |                 |                 | 12        | G320-6628           | OS/VS ACF/VTAM                  | 1 S H              |
| >MANYFONT TEXT PROCESSING TYPE FACES    |                   | 5796-PPE            |            | 120            |                 |                 |                 | 12        | G320-6634           | VM/CMS, DCF                     | 1 S H              |
| >VM PASS THROUGH SUPPORT FOR 3101       | PVM/3101          | 5796-PPF            |            | 170            |                 |                 |                 | 01        | G320-6637           | VM/SP, VM/BSEP, VM/SE           | 1 S E              |
| >GRAPHPAK FULL SCREEN INTERFACE         |                   | 5796-PPH            |            | 65             |                 |                 |                 | 12        | G320-6642           | OS/VS, VM, VSAPL                | 1 S H              |
| >APL PERFORMANCE ANALYSIS TOOLS         |                   | 5796-PPJ            |            | 90             |                 |                 |                 | 12        | G320-6643           | TSD, CMS, VSPC, CICS            | 1 S H              |
| >HOST REMOTE NODE ENTRY SYSTEM II       | HRNES II          | 5796-PPL            |            | 120            |                 |                 |                 |           | G320-6647           | OS/VS1                          | 1 S E              |
| >DATA SET & FREE SPACE MANAGER          |                   | 5796-PPN            |            | 105            |                 |                 |                 | 12        | G320-6654           | MVS                             | 1 S H              |
| >VM/SP GRAPHIC SUBROUTINE PACKAGE       |                   | 5796-PPR            |            | 80             |                 |                 |                 | 24        | G320-6657           | VM/SP                           | 1 S H              |
| MCGILL U SYSTEM - INTERACTIVE COMPUTING | MUSIC V           | 5796-PQA            |            | 545            |                 |                 |                 |           | G320-6629           | VM/CMS                          | 1 S E              |
| >ICCF LIBRARY SCAN                      |                   | 5796-PQB            |            | 50             |                 |                 |                 | 12        | G320-6630           | DOS/VSE, ICCF                   | 1 S H              |
| >GROUP LIFE MANAGEMENT SYSTEM           |                   | 5796-PQF            |            | 655            |                 |                 |                 | 24        | G320-6648           | VM, DOS/VSE                     | 1 S H              |
| >WIRE FRAME GEOMETRY                    | CATIA (R)         | 5796-PQG            |            | 1420           | 1000            |                 |                 |           | G320-6650           | OS/VS                           | 1 S E              |
| >SURFACE AND NC                         | CATIA (R)         | 5796-PQH            |            | 840            | 500             |                 |                 |           | G320-6650           | OS/VS                           | 1 S E              |
| >POLYHEDRAL SOLID GEOMETRY              | CATIA (R)         | 5796-PQJ            |            | 420            | 300             |                 |                 |           | G320-6650           | OS/VS                           | 1 S E              |
| >KINEMATICS                             | CATIA (R)         | 5796-PQL            |            | 420            | 300             |                 |                 |           | G320-6650           | OS/VS                           | 1 S E              |
| >S/34 APPAREL BUS SYS - DE & C          |                   | 5796-RAC            |            | 862            |                 |                 |                 | 12        | GB30-1457           | SYSTEM/34                       | 1 S H              |
| >S/34 APPAREL BUS SYS - A/R             |                   | 5796-RAD            |            | 287            |                 |                 |                 | 12        | GB30-1457           | SYSTEM/34                       | 1 S H              |
| >S/34 APPAREL BUS SYS - DA              |                   | 5796-RAE            |            | 258            |                 |                 |                 | 12        | GB30-1457           | SYSTEM/34                       | 1 S H              |
| >S/34 APPAREL BUS SYS - P/R             |                   | 5796-RAJ            |            | 299            |                 |                 |                 | 12        | GB30-1457           | SYSTEM/34                       | 1 S H              |
| >S/34 APPAREL BUS SYS - G-T-N P/R       |                   | 5796-RAK            |            | 299            |                 |                 |                 | 12        | GB30-1457           | SYSTEM/34                       | 1 S H              |
| >S/1 WATERLOO VIRTUAL BASIC             |                   | 5796-RAL            |            | 98             |                 |                 |                 | 36        | GB30-1466           | SERIES/1                        | 1 S H              |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >SERIES/1 ESS/1 WITH HOOKS               |            | 5796-RBB     | P   | 345     |          |          |          |    | 12 GB30-1474 | SERIES/1                 | 1 S H       |
| >S/34 DISTRIB & SERVICE MGMT SYS         |            | 5796-RBK     |     | 747     |          |          |          |    | 12 GB30-1501 | SYSTEM/34                | 1 S H       |
| >S/1 YALE ASCII TERM COMM SYSTEM         |            | 5796-RBT     | P   | 143     |          |          |          |    | 24 GB30-1509 | SERIES/1                 | 1 S H       |
| >S/34 EQUIP COSTING/MAINT                |            | 5796-RBW     |     | 690     |          |          |          |    | 12 GB30-1511 | SYSTEM/34                | 1 I H       |
| >5120 JOB SHOP SYS - JOB COST            |            | 5796-RCB     |     | 287     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >5120 JOB SHOP SYS - A/P                 |            | 5796-RCC     |     | 126     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >5120 JOB SHOP SYS - P/R                 |            | 5796-RCD     |     | 126     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >5120 JOB SHOP SYS - A/R                 |            | 5796-RCE     |     | 132     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >5120 JOB SHOP SYS - G/L                 |            | 5796-RCF     |     | 132     |          |          |          |    | 12 GB30-1523 | 5120 SYSTEM              | 1 S H       |
| >S/34 WORK STATION UTILIZ ANALY          |            | 5796-RDN     |     | 270     |          |          |          |    | 01 GB30-1598 | SYSTEM/34                | 1 S H       |
| >S/1 PXS VER 3 DEVELOP SUPP              |            | 5796-REE     |     | 85      |          |          |          |    | 12 GB30-1600 | SERIES/1                 | 1 S H       |
| >S/1 PXS VER 3 OPNS/APPL SUPP            |            | 5796-REF     |     | 85      |          |          |          |    | 12 GB30-1600 | SERIES/1                 | 1 S H       |
| >S/34 WHOLESALE/RETAIL LUMBER            |            | 5796-REW     |     | 500     |          |          |          |    | 12 GB30-1615 | SYSTEM/34                | 1 S H       |
| >S/1 AUTO DEALER SYSTEM                  |            | 5796-RFG     |     | 730     |          |          |          |    | 24 GB30-1723 | SERIES/1                 | 1 S H       |
| >S/34 RPG II COMPIL & SPOOL FILE         |            | 5796-RFP     |     | 375     |          |          |          |    | 01 GB30-1647 | SYSTEM/34                | 1 S H       |
| >5110/5120 BASIC SELF-STUDY COURS        |            | 5796-ZAA     |     | 661     |          |          |          |    | 01 GB30-1492 | 5120 SYSTEM              | 0 S H       |
| >5110 HOME BLDRS MGMT SYS                |            | 5796-ZAB     |     | 6900    |          |          |          |    | 01 GB30-1521 | 5120 SYSTEM              | 1 S H       |
| >EARNING STATEMENT                       |            | 5796-ZAC     |     | 2850    |          |          |          |    | 01 GB30-1534 | 5120 SYSTEM              | 1 S H       |
| >5120 CONSTRUCT INFO SYS - A/P           |            | 5796-ZAD     |     | 2365    |          |          |          |    | 01 GB30-1534 | 5120 SYSTEM              | 1 S H       |
| >5120 CONSTRUCT INFO SYS - J/C           |            | 5796-ZAE     |     | 2035    |          |          |          |    | 01 GB30-1534 | 5120 SYSTEM              | 1 S H       |
| >5120 CONSTRUCT INFO SYS - G/L           |            | 5796-ZAF     |     | 2025    |          |          |          |    | 01 GB30-1534 | 5120 SYSTEM              | 1 S H       |
| >5120 ATTY INFO MGMT SYS                 |            | 5796-ZAG     |     | 8280    |          |          |          |    | 01 GB30-1547 | 5120 SYSTEM              | 1 S H       |
| >S/23 JOB SHOP CONTROL - J/C             |            | 5796-ZAH     |     | 2800    |          |          |          |    | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 JOB SHOP CONTROL - A/P             |            | 5796-ZAJ     |     | 1200    |          |          |          |    | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 JOB SHOP CONTROL - A/R             |            | 5796-ZAK     |     | 1200    |          |          |          |    | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 JOB SHOP CONTROL - P/R             |            | 5796-ZAL     |     | 1200    |          |          |          |    | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 JOB SHOP CONTROL - G/L             |            | 5796-ZAN     |     | 1200    |          |          |          |    | 01 GB30-1714 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 CONSTR INFO - JOB COST             |            | 5796-ZAP     |     | 1550    |          |          |          |    | 01 GB30-1728 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 CONSTR INFO - PAYROLL              |            | 5796-ZAQ     |     | 1750    |          |          |          |    | 01 GB30-1728 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 CONSTR INFO - ACCTS PAYABLE        |            | 5796-ZAR     |     | 1650    |          |          |          |    | 01 GB30-1728 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 CONSTR INFO - GEN LEDG             |            | 5796-ZAT     |     | 1550    |          |          |          |    | 01 GB30-1728 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 PHYSICIAN MEDICAL SYS              |            | 5796-ZAW     |     | 6500    |          |          |          |    | 01 GB30-1752 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 DAIRY HERD/HEALTH MGMT SYS         |            | 5796-ZAX     |     | 2000    |          |          |          |    | 01 GB30-1780 | SYS/23 DATAMASTER        | 1 I H       |
| >S/23 FARM MGMT ACCTG SYSTEM             |            | 5796-ZAY     |     | 3000    |          |          |          |    | 01 GB30-1777 | SYS/23 DATAMASTER        | 1 I H       |
| >CPCS INSTALLED USER EDUCATIONAL GUIDE   |            | 5796-001     |     | 2700    |          |          |          |    | 01 G320-5807 | DOCUMENTATION MATLS      | 0 S H       |
| >DOSCHECK INSTALLED USER EDUCATION GUIDE |            | 5796-002     |     | 1700    |          |          |          |    | 01 G320-6086 | DOCUMENTATION MATLS      | 0 S H       |
| >VEHICLE MAINTENANCE AND COST ANALYSIS   |            | 5798-AAG     |     | 132     |          |          |          |    | 12 GB21-0019 | DOS                      | 0 S H       |
| >MUNICIPAL BUDGETING & ACCTG SYS         |            | 5798-AEN     |     | 379     |          |          |          |    | 12 GB21-0280 | SYSTEM/3                 | 1 S H       |
| >PROOF OF DEPOSIT TRANSIT                |            | 5798-AFD     |     | 164     |          |          |          |    | 12 GB21-0286 | SYSTEM/3                 | 1 I H       |
| >CERTIFICATE OF DEPOSIT ACCTG            |            | 5798-AFR     |     | 220     |          |          |          |    | 12 GB21-0381 | SYSTEM/3                 | 1 I H       |

| <u>PROGRAM INFORMATION</u>               | <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T P</u> | <u>I L</u> | <u>S V</u> |
|--|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|------------|------------|------------|
| >VEHICLE MAINTENANCE SCHEDULING          |                   | 5798-AFY            |            | 189            |                 |                 |                 | 12        | GB21-0325           | SYSTEM/3                        | 1          | I          | H          |
| HONEYWELL 200 COBOL TO IBM ANS COBOL     |                   | 5798-AGC            |            | 330            |                 |                 |                 | 12        | GB21-0387           | DOS                             | 0          | I          | H          |
| APL COORDINATE GEOMETRY SYSTEM           |                   | 5798-AGF            |            | 176            |                 |                 |                 | 12        | GB21-0399           | APLSV,APL/CMS                   | 1          | I          | H          |
| ZEROS AND INTEGRALS IN APL               |                   | 5798-AGJ            |            | 60             |                 |                 |                 | 12        | GB21-0408           | APLSV,APL/CMS                   | 1          | I          | H          |
| GRAPHS AND HISTOGRAMS IN APL             |                   | 5798-AGL            |            | 83             |                 |                 |                 | 12        | GB21-0414           | APLSV,APL/CMS                   | 1          | I          | H          |
| >FIXED ASSET ACCTG & CONTROL             |                   | 5798-AGZ            |            | 158            |                 |                 |                 | 12        | GB21-0447           | SYSTEM/3                        | 1          | I          | H          |
| RCA COBOL TO IBM ANS COBOL               |                   | 5798-AHT            |            | 517            |                 |                 |                 | 12        | GB21-0493           | DOS/OS                          | 0          | I          | H          |
| >CONTR/SUBCONTR ESTIMATING               |                   | 5798-AJA            |            | 144            |                 |                 |                 | 12        | GB21-0514           | SYSTEM/3                        | 1          | I          | H          |
| >CONTR/SUBCONTR ACCTS RECEIVABLE         |                   | 5798-AJB            |            | 126            |                 |                 |                 | 12        | GB21-0517           | SYSTEM/3                        | 1          | I          | H          |
| >CONTR/SUBCONTR JOB COSTING              |                   | 5798-AJC            |            | 107            |                 |                 |                 | 12        | GB21-0520           | SYSTEM/3                        | 1          | I          | H          |
| >CONTR/SUBCONTR GENERAL LEDGER           |                   | 5798-AJD            |            | 119            |                 |                 |                 | 12        | GB21-0523           | SYSTEM/3                        | 1          | I          | H          |
| >CONTR/SUBCONTR ACCTS PAYABLE            |                   | 5798-AJE            |            | 151            |                 |                 |                 | 12        | GB21-0526           | SYSTEM/3                        | 1          | I          | H          |
| >CONTR/SUBCONTR PAYROLL                  |                   | 5798-AJF            |            | 151            |                 |                 |                 | 12        | GB21-0529           | SYSTEM/3                        | 1          | I          | H          |
| LEASE VS PURCHASE ANALYSIS               |                   | 5798-AJK            |            | 34             |                 |                 |                 | 12        | GB21-0541           | DOS/OS                          | 1          | I          | H          |
| 3270 FORMAT MACRO FOR OUTPUT DATA STREAM |                   | 5798-AKL            |            | 27             |                 |                 |                 | 12        | GB21-0620           | DOS/OS                          | 1          | S          | H          |
| >ACCOUNTS PAYABLE                        |                   | 5798-AKM            |            | 175            |                 |                 |                 | 12        | GB21-0632           | SYSTEM/3                        | 1          | I          | H          |
| DASD DEVICE INDEPENDENCE ROUTINES        |                   | 5798-ALK            |            | 55             |                 |                 |                 | 24        | GB21-0686           | DOS                             | 0          | I          | H          |
| >COBOL SOURCE ANALYZER                   |                   | 5798-ALX            |            | 18             |                 |                 |                 | 12        | GB21-0737           | SYSTEM/3                        | 1          | I          | H          |
| DATA-SET CONVERSION AID DOS 3330 3340    |                   | 5798-AMN            |            | 275            |                 |                 |                 | 01        | GB21-0740           | DOS                             | 0          | I          | H          |
| >QUERY FACILITY                          |                   | 5798-ANB            |            | 55             |                 |                 |                 | 12        | GB21-0770           | SYSTEM/3                        | 1          | I          | H          |
| DPS TO DOS CONVERSION AID                |                   | 5798-ANJ            |            | 522            |                 |                 |                 | 01        | GB21-1336           | S/360-MODEL 20 DPS              | 0          | S          | H          |
| CPU CONSOLE AS CICS MASTER TERMINAL      |                   | 5798-ANK            |            | 60             |                 |                 |                 | 12        | GB21-0800           | OS/DOS CICS                     | 1          | S          | H          |
| NCR CENTURY TO ANS COBOL CONVERSION AID  |                   | 5798-APG            |            | 2105           |                 |                 |                 | 01        | GB21-0839           | DOS/OS                          | 0          | I          | H          |
| BURROUGHS 2500 TO ANS COBOL CONVERSION   |                   | 5798-APH            |            | 2215           |                 |                 |                 | 01        | GB21-0836           | DOS/OS                          | 0          | I          | H          |
| OS DITTO                                 |                   | 5798-ARD            |            | 65             |                 |                 |                 | 12        | GB21-0857           | OS                              | 1          | I          | H          |
| DOS DITTO                                |                   | 5798-ARN/01         |            | 66             |                 |                 |                 | 12        | GB21-2190           | DOS                             | 1          | I          | H          |
| DOS DITTO ENHANCEMENTS                   |                   | 5798-ARN/02         |            | 150            |                 |                 |                 | 01        | GB21-2190           | 9027,9029,9500-9501             | 1          | I          | H          |
| GE 415 COBOL TO ANS COBOL CONVERSION AID |                   | 5798-ASY            |            | 275            |                 |                 |                 | 12        | GB21-0914           | DOS                             | 0          | S          | H          |
| HEALTH CARE: ADMISSIONS SYSTEM           | HCS               | 5798-ASZ            |            | 225            |                 |                 |                 | 12        | GB21-0935           | DOS CICS                        | 1          | I          | H          |
| DATA COMPRESSION / EXPANSION             |                   | 5798-ATB            |            | 97             |                 |                 |                 | 01        | GB21-0938           | DOS/OS                          | 0          | S          | H          |
| ALPHA SEARCH INQUIRY - IMS INTERFACE     | ASIS              | 5798-AWB            |            | 670            |                 |                 |                 | 12        | GB21-0987           | OS                              | 1          | I          | H          |
| DOS SOURCE STATEMENT LIBRARY MAINTENANCE |                   | 5798-AWD            |            | 70             |                 |                 |                 | 06        | GB21-0999           | DOS COBOL                       | 1          | I          | H          |
| DOS/VS DASD DEVICE INDEPENDENCE OPEN     | DI-OPEN           | 5798-AWH/01         |            | 43             |                 |                 |                 | 24        | GB21-1002           | DOS/VS                          | 0          | I          | H          |
| DOS/VS DASD DI-OPEN ENHANCEMENT          |                   | 5798-AWH/02         |            | 150            |                 |                 |                 | 01        | GB21-1002           | 9015                            | 0          | I          | H          |
| DOS/VS ASSEMBLER LABEL TRACE FACILITY    |                   | 5798-AWJ            |            | 54             |                 |                 |                 | 06        | GB21-1008           | DOS/VS                          | 1          | S          | H          |
| CICS 3270 SIMULATOR                      |                   | 5798-AXC            |            | 65             |                 |                 |                 | 12        | GB21-1035           | CICS/OS/DOS/VS                  | 1          | S          | H          |
| >COMPREHENSIVE PAYROLL MGMT SYS          |                   | 5798-AXD            |            | 149            |                 |                 |                 | 12        | GB21-1056           | SYSTEM/3                        | 1          | I          | H          |
| TSO COMMAND PROCESSOR                    |                   | 5798-AYF            |            | 90             |                 |                 |                 | 12        | GB21-1122           | OS/VS2                          | 1          | I          | H          |
| >DISK RPG II CROSS REF/DOCU AID          |                   | 5798-AYL            |            | 161            |                 |                 |                 | 01        | GB21-1107           | SYSTEM/3                        | 0          | I          | H          |
| VM/CMS CONTROL & ACCOUNTING PROGRAMS     |                   | 5798-AYP            |            | 47             |                 |                 |                 | 12        | GB21-1110           | VM/CMS                          | 1          | S          | H          |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MD | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >GENL LEDGER/FINANCIAL ACCTG             |            | 5798-AZE     |     | 68      |          |          |          | 12 | GB21-1159    | SYSTEM/3                 | 1 I H       |
| >S/3 TO 3741 DATA TRANSFER               |            | 5798-AZZ     |     | 62      |          |          |          | 06 | GB21-1207    | SYSTEM/3                 | 1 I H       |
| ONLINE PREPARATION OF VIDEO FORMAT       |            | 5798-BAC     |     | 142     |          |          |          | 06 | GB21-1210    | DOS/OS                   | 1 S H       |
| >DISK FILE PROGRAM GENERATOR - 10        |            | 5798-BBH     |     | 69      |          |          |          | 12 | GB21-1261    | SYSTEM/3                 | 1 I H       |
| ISO VS2 PROGRAMMING CONTROL FACILITY     |            | 5798-BBJ     |     | 160     |          |          |          | 12 | GB21-1273    | OS/VS2                   | 1 S H       |
| >INVESTMENT ADVISORY                     |            | 5798-BBW     |     | 362     |          |          |          | 12 | GB21-1234    | SYSTEM/3                 | 1 I H       |
| 3330-11 DEVICE SUPPORT: OS/MFT/MVT (R21) |            | 5798-BCE     |     | 56      |          |          |          | 12 | GB21-1291    | OS/MFT/MVT               | 1 S H       |
| MICR DOCUMENT FINE SORT                  |            | 5798-BCN     |     | 183     |          |          |          | 12 | GB21-1327    | DOS/VS                   | 1 I H       |
| 1130 FORTRAN COMMERCIAL SUBROUTINES      |            | 5798-BCT     |     | 73      |          |          |          | 12 | GB21-1318    | DOS/VS                   | 1 S H       |
| >DOC AID FOR RPG II PROGS/PACKS          |            | 5798-BCW     |     | 58      |          |          |          | 06 | GB21-1312    | SYSTEM/3                 | 0 I H       |
| DPS TO DOS CONVERSION AID                |            | 5798-BDA     |     | 615     |          |          |          | 01 | GB21-1336    | DOS/VS DOS               | 0 S H       |
| 3890 APPLICATION & INSTALLATION SUPPORT  |            | 5798-BDC     |     | 284     |          |          |          | 12 | GB21-1342    | DOS/VS                   | 1 I H       |
| FINANCIAL PLANNING SYSTEM - APLSV        | FPS        | 5798-BDE     |     | 345     |          |          |          | 12 | GB21-1339    | APLSV, APL/CMS           | 1 I H       |
| HEALTH CARE: REVENUE MANAGEMENT SYSTEM   | HCS        | 5798-BDG     |     | 212     |          |          |          | 12 | GB21-1345    | DOS/VS                   | 1 I H       |
| CMS SORT FOR VM/CMS                      |            | 5798-BDW/01  |     | 76      |          |          |          | 12 | GB21-1376    | VM/CMS                   | 1 S H       |
| CMS SORT EXTENSIONS                      |            | 5798-BDW/02  |     | 30      |          |          |          | 12 | GB21-1376    | 9564-9565                | 1 S H       |
| 3890 OS/VS OFFLINE FINE SORT             |            | 5798-BDY/01  |     | 144     |          |          |          | 12 | GB21-1383    | OS/VS                    | 1 S H       |
| 3890 OS/VS OFFLINE SORT ENHANCEMENTS     |            | 5798-BDY/02  |     | 94      |          |          |          | 12 | GB21-1383    | 9526-9527                | 1 S H       |
| S/3 TO DOS RPG II CONVERSION AID         |            | 5798-CAA     |     | 400     |          |          |          | 01 | GB21-1389    | DOS/VS                   | 0 I H       |
| ACCOUNTS PAYABLE                         |            | 5798-CAC     |     | 170     |          |          |          | 12 | GB21-1392    | DOS/VS                   | 1 I H       |
| OPEN ITEM ACCOUNTS RECEIVABLE            |            | 5798-CAE     |     | 135     |          |          |          | 12 | GB21-1395    | DOS/VS                   | 1 I H       |
| DOS DITTO EXTENSIONS FOR S/370           |            | 5798-CAF/01  |     | 50      |          |          |          | 12 | GB21-2190    | DOS/VS                   | 1 I H       |
| DITTO ENHANCEMENTS FOR DOS/VS REL 34     |            | 5798-CAF/02  |     | 150     |          |          |          | 01 | GB21-2190    | 9027,9029                | 1 I H       |
| SORT PATTERN GENERATOR                   |            | 5798-CAH     |     | 216     |          |          |          | 12 | GB21-1410    | OS/VS1                   | 1 S H       |
| VS1 UTILIZATION MONITOR                  |            | 5798-CAK     |     | 193     |          |          |          | 12 | GB21-1404    | OS/VS1                   | 1 S H       |
| DL/I BASIC PROGRAMMING COURSE            | DLI.BP     | 5798-CBA     |     | 160     |          |          |          | 12 | GB21-1416    | IIS, IIPS                | 1 I H       |
| 3890 OS/VS PROGRAMMING TESTING AID       |            | 5798-CBG/01  |     | 264     |          |          |          | 12 | GB21-1444    | DOS/VS OS/VS DOS/VSE     | 1 S H       |
| 3890 PROGRAMMING TEST AID ENHANCEMENT    |            | 5798-CBG/02  |     | 40      |          |          |          | 12 | GB21-1444    | 9516-9517                | 1 S H       |
| 3270 SCREEN FORMAT UTILITY               |            | 5798-CBH     |     | 70      |          |          |          | 12 | GB21-1441    | MTCB, CICS, CICS/VS      | 1 I H       |
| EXTENDING SEQUENTIAL DISK FILES          |            | 5798-CBN     |     | 64      |          |          |          | 12 | GB21-1456    | DOS/VS                   | 1 I H       |
| PAYROLL MANAGEMENT SYSTEM                |            | 5798-CBR     |     | 300     |          |          |          | 12 | GB21-1453    | DOS/VS RPG II            | 1 I H       |
| PDQ7 V2                                  |            | 5798-CBT     |     | 2075    |          |          |          | 12 | GB21-1465    | OS/VS, FORTRAN           | 1 S H       |
| FLEET DATA BASE REPORTING SYSTEM         |            | 5798-CBW     |     | 200     |          |          |          | 12 | GB21-1486    | DOS/VS                   | 1 I H       |
| BATCH QUERY FACILITY                     |            | 5798-CBY     |     | 85      |          |          |          | 12 | GB21-1495    | DOS/VS                   | 0 I H       |
| HEALTH CARE: DL/I PATIENT APPOINTMENTS   | HCS        | 5798-CCA     |     | 830     |          |          |          | 12 | GB21-1468    | DOS/VS DL/I CICS/VS      | 1 I H       |
| HOSPITAL CARE: PATIENT REGISTRATION      | HCS        | 5798-CCB     |     | 364     |          |          |          | 12 | GB21-1471    | DOS/VS DL/I CICS/VS      | 1 I H       |
| HOSPITAL CARE: ADMISSION SYSTEM          | HCS        | 5798-CCC     |     | 469     |          |          |          | 12 | GB21-1474    | DOS/VS DL/I CICS/VS      | 1 I H       |
| OS DITTO EXTENSIONS                      |            | 5798-CDA     |     | 100     |          |          |          | 12 | GB21-1549    | OS                       | 1 I H       |
| 1400 COMPATIBILITY ACCESS ROUTINE        |            | 5798-CDB     |     | 500     |          |          |          | 01 | GB21-1546    | DOS/VS                   | 1 I H       |
| PDWER/VS COST & PERFORMANCE ANALYZER     |            | 5798-CDG     |     | 140     |          |          |          | 12 | GB21-1513    | DOS/VS                   | 1 S H       |



| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL   | ENVIRONMENT          | T I S |
|--|------------|--------------|-----|---------|----------|----------|----------|----|-----------|----------------------|-------|
|  |            |              |     |         |          |          |          |    | INFO      | OR FEATURE #         | P L V |
| RPG II ANALYSIS AND DOCUMENTATION AID    |            | 5798-CDL     |     | 300     |          |          |          | 01 | GB21-1566 | DOS/V5               | 0 I H |
| ONLINE PANELS ENTRY LIBRARY SYSTEM       |            | 5798-CET     |     | 150     |          |          |          | 12 | GB21-1641 | CICS CICS/V5 MTCS    | 1 I H |
| DL/I ADVANCED PROGRAMMING COURSE         | DLI.AP     | 5798-CFC     |     | 160     |          |          |          | 12 | GB21-1665 | IIS,IIPS             | 1 L H |
| 3890 DOS/V5 OFFLINE SORT                 |            | 5798-CFD/01  |     | 124     |          |          |          | 12 | GB21-1662 | DOS/V5 5798-BDC      | 1 S H |
| 3890 DOS/V5E OFFLINE FINE SORT II        |            | 5798-CFD/02  |     | 88      |          |          |          | 12 | GB21-1662 | 9560-9561            | 1 S H |
| INVENTORY FORECASTING AND REPLENISHMENT  | INFOREM    | 5798-CFH     |     | 1500    |          |          |          | 12 | GB21-1674 | DOS/V5,OS/V5         | 1 S H |
| ALPHA SEARCH INQUIRY SYS ONLINE UPDATE   | ASIS       | 5798-CFJ     |     | 400     |          |          |          | 12 | GB21-1677 | CICS/DOS/OS/V5,CMS   | 1 S H |
| CICS PERFORMANCE ANALYZER II             | PA II      | 5798-CFP     |     | 68      |          |          |          |    | GB21-1862 | DOS/V5,OS/V5         | 1 S E |
| SOURCE PROGRAM MAINTENANCE ONLINE II SPM | SPMOL II   | 5798-CFT/01  |     | 172     |          |          |          |    | GB21-1696 | DOS/V5,OS/V5 CICS/V5 | 1 S E |
| SPM II WITH AUDITING AND ARCHIVING       | SPMOL II   | 5798-CFT/02  |     | 53      |          |          |          |    | GB21-1619 | 6005-6006            | 1 S E |
| FINANCIAL PLANNING SYSTEM - APL/CMS      | FPS        | 5798-CFX     |     | 395     |          |          |          | 12 | GB21-1705 | VM/CMS WITH APL/CMS  | 1 I H |
| TERMINAL CONTROL FOR ETSS                |            | 5798-CGC     |     | 85      |          |          |          | 12 | GB21-1683 | DOS/V5               | 1 S H |
| HEALTH CARE: DL/I PATIENT REGISTRATION   | HCS        | 5798-CGE     |     | 315     |          |          |          | 12 | GB21-1729 | OS/V5                | 1 I H |
| HEALTH CARE: DL/I ADMISSIONS SYSTEM      | HCS        | 5798-CGF     |     | 315     |          |          |          | 12 | GB21-1732 | OS/V5                | 1 I H |
| IMS DC PROGRAMMING COURSE                | IMS.DC     | 5798-CGX     |     | 136     |          |          |          | 12 | GB21-1763 | IIS,IIPS             | 1 L H |
| 3741 SORT PROGRAM                        |            | 5798-CHB     |     | 265     |          |          |          | 01 | GB21-1776 | 3741                 | 1 S H |
| 3890 CYCLE SORT                          |            | 5798-CHD     |     | 549     |          |          |          | 12 | GB21-1781 | DOS/V5               | 1 I H |
| CHECK PROCESSING ARCHIVE RETRIEVAL       | CPARS      | 5798-CHH     |     | 900     |          |          |          | 12 | GB21-1789 | OS/V51,OS/V52        | 1 I H |
| IMS MONITOR SUMMARY & SYSTEM ANALYSIS II | IMSASAP II | 5798-CHJ     |     | 117     |          |          |          |    | GB21-1792 | IMS/V5 VIR2          | 1 I E |
| TSO 3270 DISPLAY COPY SUPPORT            |            | 5798-CHL     |     | 245     |          |          |          | 12 | GB21-1795 | OS/V52,TSO           | 1 S H |
| APL DATA LANGUAGE                        |            | 5798-CHR     |     | 450     |          |          |          | 12 | GB21-1804 | OS/V51-2,VM/CMS      | 1 S H |
| DOS/V5 DASD SPACE UTILIZATION ANALYSIS   |            | 5798-CHW     |     | 64      |          |          |          | 12 | GB21-1810 | DOS/V5               | 1 S H |
| 3704/5 EP TRACE EDITOR PROGRAM           |            | 5798-CHZ     |     | 55      |          |          |          | 12 | GB21-1822 | DOS/V5,OS/V5         | 1 I H |
| VIDEO/370 ONLINE STATUS DISPLAY          |            | 5798-CJA     |     | 104     |          |          |          | 12 | GB21-1840 | DOS/V5,OS/V5         | 1 S H |
| OS/V5 CAPACITY MANAGEMENT AID            |            | 5798-CJB     |     | 157     |          |          |          | 12 | GB21-1834 | OS/V51,V52           | 1 S H |
| CICS/V5 DATA-SET RECOVERY FACILITY       |            | 5798-CJF     |     | 56      |          |          |          | 12 | GB21-1837 | OS/V5,DOS/V5         | 1 S H |
| VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY |            | 5798-CJG     |     | 140     |          |          |          | 12 | GB21-1843 | DOS/V5 VIDEO/370     | 1 S H |
| VIDEO REVERSE EXTRACT OFFLINE DATA ENTRY |            | 5798-CJP     |     | 140     |          |          |          | 12 | GB21-1843 | OS/V5 VIDEO/370      | 1 S H |
| CICS/V5 DUMP READING PROGRAM             |            | 5798-CJX     |     | 100     |          |          |          | 12 | GB21-1874 | OS/V5                | 1 S H |
| ATMS BATCH BACKUP                        |            | 5798-CJY     |     | 250     |          |          |          | 12 | GB21-1880 | OS/V51,OS/V52        | 1 S H |
| DOS/V5 INTERACTIVE DEBUG FACILITY        |            | 5798-CKF     |     | 90      |          |          |          | 12 | GB21-1897 | DOS/V5               | 1 S H |
| DOS/V5 LOADER                            |            | 5798-CKG     |     | 99      |          |          |          |    | GB21-1900 | DOS/V5               | 1 S E |
| HASP-JES2 SPOOL TRANSFER PROGRAM         |            | 5798-CKJ     |     | 480     |          |          |          | 06 | GB21-1903 | OS/MFT/MVT/SVS/MVS   | 0 I H |
| CASHIER ASSIGNMENT SYSTEM                |            | 5798-CKQ     |     | 250     |          |          |          | 12 | GB21-1921 | DOS/V5               | 1 I H |
| ROLDFACE PRINT PROGRAM FOR THE 3800      |            | 5798-CKR     |     | 145     |          |          |          | 12 | GB21-1942 | OS/V52,OS/V52        | 1 S H |
| INTRODUCTION TO TSO                      | TSO1       | 5798-CKT     |     | 256     |          |          |          | 12 | GB21-1924 | IIS,IIPS             | 1 L H |
| COBOL INTERACTIVE DEBUG TRAINING         | CID        | 5798-CKX     |     | 160     |          |          |          | 12 | GB21-1930 | IIS,IIPS             | 1 L H |
| IMS/V5 MESSAGE FORMAT SERVICES TRAINING  |            | 5798-CKY     |     | 242     |          |          |          | 12 | GB21-1933 | IIS,IIPS             | 1 L H |
| 3770 COMMUNICATIONS UTILITY              |            | 5798-CKZ     |     | 100     |          |          |          | 12 | GB21-1936 | DOS/V5,OS/V5         | 1 I H |
| 3600 DATA ENTRY                          |            | 5798-CLA     |     | 40      |          |          |          | 12 | GB21-1939 | DOS/V5,OS/V5         | 1 S H |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L Y |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| IMS HISTORY REPORTING SYSTEM             |            | 5798-CLB     |     | 165     |          |          |          | 12 | GB21-1945    | OS/VS                    | 1 I H       |
| ONLINE ADJUSTMENTS - II                  |            | 5798-CLD/01  |     | 765     |          |          |          | 12 | GB21-1948    | OS/VS CPCS               | 1 S H       |
| ONLINE ADJUSTMENTS - II ENHANCEMENTS     |            | 5798-CLD/02  |     | 195     |          |          |          | 12 | GB21-1948    | 9562-9563                | 1 S E       |
| STRUCTURED PROGRAMMING MACROS            |            | 5798-CLF     |     | 55      |          |          |          | 12 | GB21-1957    | ASSEMBLERS               | 1 S H       |
| 3890 ON-US EDITING                       |            | 5798-CLJ     |     | 204     |          |          |          | 12 | GB21-1966    | OS/VS                    | 1 S H       |
| IMS MASTER TERMINAL OPERATOR ASSIST      |            | 5798-CLK     |     | 40      |          |          |          | 12 | GB21-1969    | OS/VS                    | 1 S H       |
| DIRECT ACCESS STORAGE CONVERSION AID     |            | 5798-CLQ     |     | 2250    |          |          |          | 01 | GB21-1990    | OS/VS                    | 0 S H       |
| HIERARCHICAL MONITOR SYSTEM / 3600       | HMS3600    | 5798-CLT     |     | 190     |          |          |          | 24 | GB21-1984    | DOS/VS, OS/VS            | 1 S H       |
| TSO PROGRAMMING CONTROL FACILITY II      | PCF II     | 5798-CLW     |     | 40      |          |          |          |    | GB21-1987    | MVS                      | 1 S E       |
| IMS/VS VIRTUAL STORAGE ANALYSIS          | IMSVSAP    | 5798-CNC     |     | 60      |          |          |          | 12 | GB21-2002    | OS/VS                    | 1 S H       |
| PROGRAM VALIDATION SERVICES WITH CICS/VS | PVS        | 5798-CNG     |     | 90      |          |          |          | 12 | GB21-2017    | DOS/VS                   | 1 S H       |
| AUTOCODER TO COBOL CONVERSION WITH CMS   | ACCAP      | 5798-CNH     |     | 1120    |          |          |          | 01 | GB21-2022    | VM/CMS                   | 0 I H       |
| OS/VS ONLINE PROBLEM TRACKING            |            | 5798-CNJ     |     | 127     |          |          |          | 12 | GB21-2019    | OS/VS                    | 1 S H       |
| VTAM INTERFACE TO VIDEO/370              |            | 5798-CNK     |     | 170     |          |          |          | 12 | GB21-2025    | OS/VS                    | 1 S H       |
| IMS AVAILABILITY REPORTS                 |            | 5798-CNN     |     | 225     |          |          |          | 12 | GB21-2030    | OS/VS                    | 1 I H       |
| INCIDENT REPORTING AND TRACKING SYSTEM   |            | 5798-CNP     |     | 125     |          |          |          | 12 | GB21-2047    | DOS/VS                   | 1 S H       |
| 3790 QUERY PROGRAM                       |            | 5798-CNR     |     | 80      |          |          |          | 12 | GB21-2035    |                          | 1 S H       |
| CHECK PROCESSING ARCHIVE / RETRIEVAL     |            | 5798-CNW     |     | 325     |          |          |          | 12 | GB21-2041    | OS/VS CICS/VS            | 1 S H       |
| 3770-P BATCH TRANSMISSION SERVICES       |            | 5798-CNX     |     | 130     |          |          |          | 12 | GB21-2044    | DOS/VS OS/VS             | 1 S H       |
| 3770 SORT PROGRAM                        |            | 5798-CNY     |     | 80      |          |          |          | 12 | GB21-2050    | 3770 MACROS              | 1 S H       |
| DOS/VS 3540 DISKETTE UTILITY             |            | 5798-CNZ     |     | 110     |          |          |          | 12 | GB21-2056    | DOS/VS                   | 1 S H       |
| 3790 DISK UTILITY                        |            | 5798-CPA     |     | 64      |          |          |          | 12 | GB21-2053    | 3790 MACROS              | 1 S H       |
| TSO DATA-SET PRINT                       |            | 5798-CPF/01  |     | 200     |          |          |          | 24 | GB21-2069    | OS/VS2 (MVS)             | 1 S H       |
| TSO DATA-SET PRINT - VTAM EXTENSIONS     |            | 5798-CPF/02  |     | 76      |          |          |          | 12 | GB21-2069    | 6025-6026                | 1 S H       |
| 3790 / 3770 PVS DATA-SET TEST SUPPORT    |            | 5798-CPG     |     | 80      |          |          |          | 12 | GB21-2073    | OS/VS, DOS/VS            | 1 I H       |
| POWER/VS RJE CONTROLLED ACCESS MONITOR   |            | 5798-CPH     |     | 80      |          |          |          | 12 | GB21-2066    | DOS/VS                   | 1 S H       |
| GRAPHICAL DISPLAYS - CICS/VS             |            | 5798-CPJ     |     | 115     |          |          |          | 12 | GB21-2076    | DOS/VS OS/VS             | 1 S H       |
| MVS/SMF PROBLEM PROGRAM ACTIVITY REPORT  |            | 5798-CPP     |     | 80      |          |          |          | 12 | GB21-2089    | MVS                      | 1 I H       |
| CONSOLE SPOOLING UNDER POWER/VS          |            | 5798-CPQ     |     | 80      |          |          |          | 12 | GB21-2084    | DOS/VS                   | 1 S H       |
| GENERAL PERFORMANCE ANALYSIS REPORTING   | GPAR       | 5798-CPR     |     | 64      |          |          |          |    | GB21-2091    | OS/VS1, MVS, SVS         | 1 I E       |
| VM/CMS PERFORMANCE MONITOR ANALYSIS      | VMAP       | 5798-CPX     |     | 184     |          |          |          |    | GB21-2100    | VM/CMS                   | 1 S E       |
| FILE CABINET OPTION                      | FCO        | 5798-CPY/01  |     | 600     |          |          |          | 24 | GB21-2103    | OS/VS2, JES2, TCAM       | 1 S H       |
| FILE CABINET OPTION WIDE SCREEN FEATURE  | FCO        | 5798-CPY/02  |     | 250     |          |          |          | 24 | GB21-2103    | 6013-6014                | 1 S H       |
| TPNS SCRIPT GENERATOR PRODUCTIVITY AID   |            | 5798-CPZ     |     | 180     |          |          |          | 12 | GB21-2106    | 5740-XT4                 | 1 I H       |
| 3760 BATCH DATA TRANSFER UNDER CICS/VS   |            | 5798-CQB     |     | 175     |          |          |          | 12 | GB21-2112    | EXTM, TCAM, VTAM         | 1 S H       |
| FINANCIAL INFORMATION SYSTEM / BACIS     | FIS/BACIS  | 5798-CQF     |     | 1200    |          |          |          | 24 | GB21-2123    | OS/VS COBOL              | 1 I H       |
| HDAM SEQUENTIAL RANDOM GENERATOR         |            | 5798-CQG     |     | 176     |          |          |          | 12 | GB21-2126    | OS/VS2                   | 0 I H       |
| S/3 CCP TO CICS/VS SCREEN CONVERSION AID |            | 5798-CQH     |     | 414     |          |          |          | 01 | GB21-2128    | DOS/VS DOS/VSE           | 0 I H       |
| S/3 OCL TO DOS/VS JCL CONVERSION AID     |            | 5798-CQJ     |     | 600     |          |          |          | 01 | GB21-2130    | ASSEMBLER, VSAM          | 0 S H       |
| 3614 USAGE REPORTING SYSTEM              |            | 5798-CQK     |     | 200     |          |          |          | 24 | GB21-2132    | DOS/VS, DOS/VSE, OS/VS   | 1 I H       |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| GIS/V5 3270 FORMATTING AID                |            | 5798-CQN     |     | 110     |          |          |          | 12 | GB21-2137    | GIS/V5 WITH AQF          | 1 S H       |
| PERFORMANCE ANALYSIS & REPORTING SYSTEM   | IMSPARS    | 5798-CQP     |     | 143     |          |          |          |    | GB21-2139    | IMS/V5 VIR2,5798-CPR     | 1 I E       |
| GENERALIZED TRACE FACILITY ANALYSIS       | GTFPARS    | 5798-CQQ     |     | 72      |          |          |          |    | GB21-2142    | OS/V5, 5798-CPR          | 1 I E       |
| CALL/OS TO VSPC TRANSITION PROGRAM        |            | 5798-CQR     |     | 8300    |          |          |          | 01 | GB21-2151    | OS/V5                    | 0 I H       |
| 3890 DOS/V5 CYCLE SORT                    |            | 5798-CQX     |     | 408     |          |          |          | 12 | GB21-2165    | DOS/V5, 5798-BDC         | 1 S H       |
| CICS/V5 FORMATTED TRANSACTION DUMP ONLINE |            | 5798-CQY     |     | 180     |          |          |          | 12 | GB21-2156    | V51,DOS/V5,CICS/V5       | 1 S H       |
| 3770 3790 ASSEMBLER LISTING POST EDITOR   |            | 5798-CQZ     |     | 81      |          |          |          | 12 | GB21-2159    | DOS/V5,OS/V51            | 1 I H       |
| BUSINESS GRAPHING ON THE IBM 3800         |            | 5798-CRB     |     | 191     |          |          |          | 12 | GB21-2167    | OS/V5                    | 1 S H       |
| 3890 ONLINE FINE SORT - OS/V5/CPCS        |            | 5798-CRC     |     | 900     |          |          |          | 12 | GB21-2170    | OS/V5                    | 1 S H       |
| MVS SECONDARY OPERATOR FACILITY           |            | 5798-CRE     |     | 80      |          |          |          | 12 | GB21-2179    | OS/V52-MVS               | 1 S H       |
| 3790 DISKETTE UTILITY                     |            | 5798-CRF     |     | 40      |          |          |          | 12 | GB21-2182    |                          | 1 S H       |
| 3790 KEY SEQUENTIAL FILE MACROS           |            | 5798-CRG     |     | 90      |          |          |          | 12 | GB21-2176    | DOS/V5, OS/V51           | 1 I H       |
| ATMS II MULTIPLE FONTS FOR THE 3800       |            | 5798-CRH     |     | 175     |          |          |          | 12 | GB21-2184    | OS/V5 CICS/V5            | 1 S H       |
| PL/I PROGRAMMING TRAINING                 | PLIPRG     | 5798-CRJ     |     | 246     |          |          |          | 12 | GB21-2187    | IIS,IIPS                 | 1 L H       |
| 3800 INTERACTIVE CHARACTER DESIGN: ATMS   |            | 5798-CRK     |     | 165     |          |          |          | 12 | GB21-2191    | OS/V5, ATMS-II           | 1 I H       |
| PURCHASE VS LEASE UNDER PLANCODE          |            | 5798-CRN     |     | 115     |          |          |          | 12 | GB21-2197    | OS/V5,DOS/V5             | 1 S H       |
| FINANCIAL INFORMATION SYSTEM / ONLINE     | FIS/BACIS  | 5798-CRW     |     | 495     |          |          |          | 24 | GB21-2209    | CICS/OS/V5, 5798-CQF     | 1 S H       |
| TERMINAL CONTROL PROGRAM FOR ETSS/II      |            | 5798-CRX     |     | 85      |          |          |          |    | GB21-2211    | DOS/V5, 5798-CLR         | 1 S E       |
| BRAILLE UTILITIES                         |            | 5798-CRZ     |     | 130     |          |          |          | 12 | GB21-2215    | DOS/V5,OS/V5,VM          | 1 I H       |
| 3800 UNIVERSAL PRODUCT CODE PRINTING      | UPC        | 5798-CIA     |     | 235     |          |          |          | 12 | GB21-2219    | OS/V5                    | 1 S H       |
| DASD SEEK SIMULATOR                       |            | 5798-CTD     |     | 125     |          |          |          | 12 | GB21-2217    | OS/V5                    | 1 I H       |
| SYSTEMS LIBRARY SUBSCRIPTION SVC CONTROL  | SLSS       | 5798-CTE     |     | 68      |          |          |          | 12 | GB21-2222    | OS/V5                    | 1 I H       |
| PROGRAM FUNCTION KEY SIMULATOR FOR SPF-2  |            | 5798-CTF     |     | 77      |          |          |          | 12 | GB21-2225    | TSO SPF-II 5740-XT8      | 1 S H       |
| VSPC FULL SCREEN EDITOR                   |            | 5798-CTG     |     | 240     |          |          |          | 12 | GB21-2227    | DOS/V5,OS/V5,V5 APL      | 1 S H       |
| 3800 INTERACTIVE CHARACTER DESIGN: VM/CM  |            | 5798-CTH     |     | 165     |          |          |          | 12 | GB21-2191    |                          | 1 I H       |
| 3800 INTERACTIVE CHARACTER DESIGN: TSO    |            | 5798-CTJ     |     | 165     |          |          |          | 12 | GB21-2191    |                          | 1 I H       |
| VTAM CONFIGURATION AND GENERATION AID     |            | 5798-CTL     |     | 250     |          |          |          | 06 | GB21-2233    | DOS/V5                   | 0 I H       |
| CORMES DMS/V5 DOS/V5 INTERFACE            |            | 5798-CTR     |     | 125     |          |          |          | 12 | GB21-2244    | 5746XXM CICS/DOS/V5      | 1 I H       |
| VTAM PERFORMANCE ANALYSIS & REPORTING     | VTAMPARS   | 5798-CTW     |     | 63      |          |          |          |    | GB21-2246    | OS/V5, 5798-CPR          | 1 I E       |
| IPNS LOG FORMAT                           |            | 5798-CTX     |     | 100     |          |          |          | 12 | GB21-2239    | OS/V5,5740-XT4           | 1 I H       |
| IMS/V5 USER SECURITY                      |            | 5798-CTZ     |     | 150     |          |          |          | 12 | GB21-2252    | OS/V51/SVS, VSAM         | 1 S H       |
| ONLINE REJECT / REENTRY TESTING AID       |            | 5798-CWE     |     | 112     |          |          |          | 12 | GB21-2264    | OS/V5                    | 1 S H       |
| IMS/V5 TIME INITIATED INPUT FACILITY      | TIIF       | 5798-CWF     |     | 95      |          |          |          |    | GB21-2255    | IMS/V5 VIR2              | 1 S E       |
| 3650 STORE ACCOUNTING REPORT CUSTOMIZER   | SPARC      | 5798-CWG     |     | 71      |          |          |          | 12 | GB21-2273    | DOS/V5 ANS COBOL         | 1 S H       |
| 3770 SUPERVISOR ASSEMBLER                 |            | 5798-CWH     |     | 115     |          |          |          | 12 | GB21-2278    | DOS/V5,OS/V5,VM/CMS      | 1 I H       |
| 3890 ONLINE FINE SORT - DOS/V5            |            | 5798-CWR     |     | 845     |          |          |          | 12 | GB21-2276    | DOS/V5,DOS/V5E REL       | 1 S H       |
| 3800 FORMS UTILITY                        |            | 5798-CWV     |     | 200     |          |          |          | 12 | GB21-2287    | OS/V5, PL/I              | 1 S H       |
| GRAPHIC ONLINE DIAGRAM DISPLAY            | GOLD       | 5798-CWX     |     | 900     |          |          |          | 24 | G320-6059    | MVS/TSO VM/CMS           | 1 S H       |
| 3276 / 3278 OPERATOR TRAINING COURSE      | 3270ND     | 5798-CWZ     |     | 168     |          |          |          | 12 | GB21-2290    | IIS,IIPS                 | 1 L H       |
| ROUTING - TRANSIT CHECK DIGIT             |            | 5798-CXD     |     | 300     |          |          |          | 01 | GB21-2317    | DOS/V5 OS/V5             | 0 S H       |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| COPICS ROUTING DATA CONTROL              |            | 5798-CXE     |     | 140     |          |          |          | 36 | GB21-2311    | DOS/VS,DOS/VSE,OS/VS     | 1 S H       |
| INVENTORY FORECASTING ALLOCATION MODULES |            | 5798-CXG     |     | 410     |          |          |          | 12 | GB21-2323    | INFORM 5798-CFH          | 1 S H       |
| SNA/RJE PRINT OUTPUT ANALYSIS            |            | 5798-CXH     |     | 110     |          |          |          | 12 | GB21-2326    | OS/VS                    | 1 I H       |
| BATCH TERMINAL - TP NETWORK SIMULATOR    | BTS TPNS   | 5798-CXJ     |     | 110     |          |          |          | 12 | GB21-2328    | TPNS BTS IMS/VS          | 1 I H       |
| HDAM RANDOMIZER GENERATOR EXTENSIONS     |            | 5798-CXN     |     | 95      |          |          |          | 12 | GB21-2347    | 5798-CQG OS/VS           | 1 I H       |
| FINANCIAL PLANNING SYSTEM - TSO          | FPS        | 5798-CXP     |     | 352     |          |          |          | 12 | GB21-2335    | TSO WITH VSAPL           | 1 S H       |
| OS/VS DATA-SET EDITOR                    |            | 5798-CXQ     |     | 100     |          |          |          | 12 | GB21-2350    | OS/VS                    | 1 S H       |
| POWER/VS 3777-2 WORKSTATION PROGRAM      |            | 5798-CXR     |     | 80      |          |          |          | 12 | GB21-2338    | DOS/VS                   | 1 S H       |
| IMS FAST REORGANIZATION RELOAD           |            | 5798-CXT     |     | 252     |          |          |          | 12 | GB21-2341    | OS/VS                    | 1 I H       |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   |            | 5798-CXW     |     | 110     |          |          |          | 12 | GB21-2344    | OS/VS,COBOL,SORT         | 1 I H       |
| PRINT LOAD ANALYZER                      |            | 5798-CXY     |     | 90      |          |          |          | 12 | GB21-2355    | OS/VS                    | 1 I H       |
| VM/CMS LIBRARY & SPMOL-II SIMULATOR      |            | 5798-CYA     |     | 95      |          |          |          | 12 | GB21-2361    | VM/CMS                   | 1 S H       |
| FINANCIAL INFORMATION SYSTEM ONLINE FIS  | BACIS/FIS  | 5798-CYB     |     | 330     |          |          |          |    | GB21-2367    | DOS/VS/VSE 5798-CYC      | 1 S E       |
| FINANCIAL INFORMATION SYSTEM - FIS       | BACIS/FIS  | 5798-CYC     |     | 793     |          |          |          |    | GB21-2364    | DOS/VS/VSE COBOL         | 1 S E       |
| TSO / JES2 BATCH DISPLAY FACILITY        |            | 5798-CYE     |     | 60      |          |          |          | 12 | GB21-2373    | TSO JES2                 | 1 S H       |
| RACF PRODUCTIVITY AID                    |            | 5798-CYF     |     | 208     |          |          |          | 12 | GB21-2370    | MVS RACF                 | 1 S H       |
| COBOL APPLIC-WIDE DATA-NAMES CROSS-REF   |            | 5798-CYG     |     | 110     |          |          |          | 12 | GB21-2344    | DOS/VS,COBOL,SORT        | 1 I H       |
| AUTOMATIC TCAM NETWORK DEFINITION        |            | 5798-CYH     |     | 175     |          |          |          | 12 | GB21-2375    | OS/VS                    | 1 I H       |
| DL/I FAST SCAN UTILITY FOR DOS/VS        |            | 5798-CYJ     |     | 195     |          |          |          | 12 | GB21-2380    | DOS/VS DL/I              | 1 I H       |
| 3630 / 3600 DATA TRANSFER - CONTROLLER   |            | 5798-CYK     |     | 120     |          |          |          | 12 | GB21-2385    | 5798-CYL                 | 1 S H       |
| 3630 / 3600 DATA TRANSFER - HOST         |            | 5798-CYL     |     | 85      |          |          |          | 12 | GB21-2389    | 5798-CYK OS/VS           | 1 S H       |
| 3760 BATCH TRANSFER INSTALLATION AID     |            | 5798-CYN     |     | 215     |          |          |          | 12 | GB21-2383    | DOS/VS                   | 1 S H       |
| COBOL PAYROLL MANAGEMENT SYSTEM          |            | 5798-CYP     |     | 425     |          |          |          | 12 | GB21-2399    | DOS/VS/VSE,COBOL         | 1 S H       |
| VSAM OPERATIONS UTILITY                  |            | 5798-CYR     |     | 150     |          |          |          | 12 | GB21-2393    | DOS/VS,DOS/VSE           | 1 S H       |
| ISAM - DL/I BRIDGE                       |            | 5798-CYT     |     | 165     |          |          |          | 12 | GB21-2396    | DOS/VS,DL/I              | 1 S H       |
| CAPACITY PLANNING EXTENDED               | CPX        | 5798-CYV     |     | 143     |          |          |          |    | GB21-2391    | OS/VS,5798-CPR           | 1 I E       |
| ETSS/II PROGRAMMING AID                  |            | 5798-CYY     |     | 65      |          |          |          | 12 | GB21-2408    | DOS/VS,DOS/VSE           | 1 I H       |
| ETSS/II LIBRARY INTERFACE TO POWER/VS    |            | 5798-CYZ     |     | 75      |          |          |          | 12 | GB21-2411    | DOS/VS                   | 1 S H       |
| NCR NEAT/3 TO COBOL CONVERSION AID       |            | 5798-CZC     |     | 995     |          |          |          | 01 | GB21-2420    | DOS/VS                   | 0 I H       |
| S/3 TO S/370 NUMERIC FIELD EDIT          |            | 5798-CZD     |     | 650     |          |          |          | 01 | GB21-2423    | DOS/VS                   | 0 I H       |
| 8100/DPCX 3790 DISTRIBUTED ENTRY QUERY   |            | 5798-CZE/01  |     | 190     |          |          |          | 12 | GB21-2431    | DOS/VSE OS/VS DOSF       | 1 S H       |
| QUERY SYSTEM TEXT ENHANCEMENT FEATURE    |            | 5798-CZE/02  |     | 40      |          |          |          | 12 | GB21-2431    | 6015                     | 1 S H       |
| 3800 CHARACTER EXTENSIONS                |            | 5798-CZE     |     | 300     |          |          |          | 01 | GB21-2429    | OS/VS DOS/VS             | 0 S H       |
| COPICS FACILITIES DATA CONTROL           |            | 5798-CZH     |     | 140     |          |          |          | 36 | GB21-2433    | DL/I CICS/VS DMS/VS      | 1 S H       |
| SIMULTANEOUS PRINTING 3650 TRANSACTIONS  |            | 5798-CZK     |     | 25      |          |          |          | 12 | GB21-2469    | DOS/VS                   | 1 S H       |
| 3790 DATA ENTRY FOR MERCHANT SALES DRAFT |            | 5798-CZL     |     | 625     |          |          |          | 12 | GB21-2453    | DOS/VS,OS/VS             | 1 S H       |
| DATA ENTRY FOR VISA & MASTER-CHARGE      |            | 5798-CZN     |     | 600     |          |          |          | 12 | GB21-2472    | 8100/DPCX 3790           | 1 S H       |
| 3790 INTERACTIVE FILE MAINTENANCE        |            | 5798-CZQ     |     | 145     |          |          |          | 12 | GB21-2476    | DOS/VS,OS/VS,VM/CMS      | 1 S H       |
| NETWORK PERFORMANCE ANALYZER HOST        | NPA        | 5798-CZR     |     | 126     |          |          |          |    | GB21-2478    | 5798-CZT OS/VS           | 1 S E       |
| NETWORK PERFORMANCE ANALYZER CONTROLLER  | NPA        | 5798-CZT     |     | 35      |          |          |          |    | GB21-2478    | 5798-CZR OS/VS           | 1 S E       |

| PROGRAM INFORMATION                     | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S | P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------|-------|
|   |            |              |     |         |          |          |          |    |              |                          |       |       |
| INSTALLATION MANAGEMENT DOCUMENTATION   |            | 5798-CZW     |     | 90      |          |          |          | 12 | GB21-2481    | OS/V5                    | 1     | I H   |
| NETWORK PERFORMANCE ANALYSIS & REPORTS  | NETPARS    | 5798-CZX     |     | 63      |          |          |          |    | GB21-2487    | OS/V5,5798CPR            | 1     | S E   |
| GENERALIZED PERFORMANCE ANALYSIS REPORT | GPARG/DOS  | 5798-DAA     |     | 46      |          |          |          |    | GB21-2491    | DOS/V5E                  | 1     | S E   |
| CICS PERFORMANCE ANALYSIS REPORTING     | CICSPARS   | 5798-DAB     |     | 69      |          |          |          |    | GB21-2494    | OS/V5,DOS/V5E            | 1     | S E   |
| 3600 FORMAT II                          |            | 5798-DAC     |     | 70      |          |          |          | 12 | GB21-2496    | OS/V5                    | 1     | S H   |
| CROSS DOMAIN NETWORK DATA TRANSFER      |            | 5798-DAE     |     | 100     |          |          |          | 12 | GB21-2498    | DOS/V5E,DOS/V5,OS/V5     | 1     | S H   |
| 8100 DPCX 3790 SORT/MERGE PROGRAM       |            | 5798-DAF     |     | 35      |          |          |          | 12 | GB21-2501    | DOS/V5E OS/V5            | 1     | S H   |
| 3277 GRAPHICS ATTACHMENT STORAGE TUBE   |            | 5798-DAG     |     | 51      |          |          |          | 12 | GB21-2503    | MVS/T50 VM/CMS           | 1     | S H   |
| 3630 PLANT MONITORING AND CONTROL       |            | 5798-DAH/01  |     | 184     |          |          |          | 24 | GB21-2506    | DOS/V5 OS/V5             | 1     | S H   |
| 3630 PLANT MONITORING ENHANCEMENTS      |            | 5798-DAH/02  |     | 75      |          |          |          | 24 | GB21-2506    | 2566-2567                | 1     | S H   |
| >LEARNING TO CODE OS/V5 JCL             |            | 5798-DAJ     |     | 95      |          |          |          | 12 | GB21-2508    | IIS,IIPS                 | 1     | L H   |
| 3650 PHARMACY APPLICATION               |            | 5798-DAK     |     | 471     |          |          |          | 24 | GB21-2513    | DOS/V5 OS/V5             | 1     | S H   |
| SYSTEM LOG DISPLAY AND SEARCH FACILITY  |            | 5798-DAL     |     | 116     |          |          |          | 12 | GB21-2511    | MVS                      | 1     | S H   |
| V5AM AND ACCESS METHOD SERVICES COURSE  | V5AM2      | 5798-DAN     |     | 156     |          |          |          | 12 | GB21-2518    | IIS,IIPS                 | 1     | L H   |
| DMS/CICS/V5 PROGRAMMING COURSE          | DMS1       | 5798-DAP     |     | 207     |          |          |          | 12 | GB21-2515    | IIS,IIPS                 | 1     | L H   |
| ACCOUNT NETWORK MANAGEMENT PROGRAM      | ANMP       | 5798-DAQ     |     | 230     |          |          |          |    | GB21-2521    | CICS/OS/V5               | 1     | I E   |
| ACCOUNT NETWORK MANAGEMENT PROGRAM      | ANMP       | 5798-DAT     |     | 189     |          |          |          |    | GB21-2521    | CICS/DOS/V5              | 1     | I E   |
| NETWORK ERROR MANAGEMENT FACILITY       | NEMF       | 5798-DAW     |     | 112     |          |          |          |    | GB21-2527    | CICS/V5                  | 1     | S E   |
| FINANCIAL PLANNING SYSTEM - CICS / VSPC | FPS        | 5798-DBA     |     | 300     |          |          |          | 12 | GB21-2538    | V5APL W/ CICS,VSPC       | 1     | S H   |
| CMS FUNDAMENTALS                        | CMS1       | 5798-DBB     |     | 200     |          |          |          | 12 | GB21-2532    | IIS,IIPS                 | 1     | L H   |
| DATA RETRIEVAL MANIPULATION UTILITY     |            | 5798-DBC     |     | 48      |          |          |          | 12 | GB21-2535    | DOS/V5E,DOS/V5           | 1     | I H   |
| APPLICATION ENABLING FACILITY           | AEF        | 5798-DBF     |     | 100     |          |          |          |    | GB21-2551    | VM/CMS                   | 1     | S C   |
| ISAM - IMS/DB BRIDGE                    |            | 5798-DBG     |     | 150     |          |          |          | 12 | GB21-2547    | OS/V5                    | 1     | S H   |
| CICS/V5 ISAM - DL/I BRIDGE              |            | 5798-DBH     |     | 160     |          |          |          | 12 | GB21-2549    | DOS/V5E,OS/V5,DOS/V5     | 1     | S H   |
| CICS/V5 OPERATIONS SUPPORT PACKAGE      |            | 5798-DBJ     |     | 40      |          |          |          | 12 | GB21-2554    | DOS/V5E,DOS/V5,OS/V5     | 1     | S H   |
| PROGRAM FUNCTION KEY SIMULATOR SPF/CMS  |            | 5798-DBK     |     | 90      |          |          |          | 12 | GB21-2556    | VM/CMS,5748XT3           | 1     | S H   |
| 3690 ON-US EDITING                      |            | 5798-DBL     |     | 210     |          |          |          | 12 | GB21-2559    | DOS/V5E                  | 1     | S H   |
| NETWORK ERROR MANAGEMENT FACILITY - IMS | NEMF       | 5798-DBN     |     | 185     |          |          |          |    | GB21-2566    | OS/V5                    | 1     | S E   |
| ACCOUNT NETWORK MANAGEMENT PROGRAM      | ANMP       | 5798-DBP     |     | 379     |          |          |          |    | GB21-2568    | OS/V5 IMS/V5             | 1     | I E   |
| CICS/V5 AUTOMATED EVENT CONTROL         |            | 5798-DBQ     |     | 55      |          |          |          | 12 | GB21-2561    | CICS/V5                  | 1     | S H   |
| DOCUMENT COMPOSITION FACILITY FOR 6670  | DCF/6670   | 5798-DBR     |     | 56      |          |          |          | 12 | GB21-2563    | VM/CMS MVS               | 1     | S H   |
| PROGRAMMING IN VS BASIC                 | BASICP     | 5798-DBX     |     | 285     |          |          |          | 12 | GB21-2574    | IIS,IIPS                 | 1     | L H   |
| VTAM LEVEL SELECTOR                     |            | 5798-DBZ     |     | 63      |          |          |          |    | GB21-2580    | OS/V5-MVS                | 1     | S E   |
| DISTRIBUTED DATA TRANSFER - HOST        |            | 5798-DCA     |     | 100     |          |          |          | 12 | GB21-2594    | OS/V5,DOS,5798-DCF       | 1     | S H   |
| 3650 STORE MERCHANDISE MANAGEMENT       |            | 5798-DCB     |     | 1305    |          |          |          | 01 | GB21-2583    | OS/V5,DOS/V5             | 1     | S H   |
| 3650 STORE RESOURCE MANAGEMENT SYSTEM   |            | 5798-DCD     |     | 1585    |          |          |          | 01 | GB21-2591    | OS/V5,DOS/V5             | 1     | S H   |
| 3277 GRAPHICS ATTACHMENT PLOTTER TABLET |            | 5798-DCE     |     | 47      |          |          |          | 12 | GB21-2598    | T50,VM 85799-AXX/-W      | 1     | S H   |
| DISTRIBUTED DATA TRANSFER - CONTROLLER  |            | 5798-DCF     |     | 20      |          |          |          | 12 | GB21-2594    | DPCX,3790,5798-DCA       | 1     | S H   |
| FILE CABINET OPTION / VTAM              | FCO/VTAM   | 5798-DCG     |     | 637     |          |          |          | 24 | GB21-2604    | MVS JES2,JES3            | 1     | S H   |
| LDMS II - NORMAL VALUE / DELTA CHECKING | LDMS II    | 5798-DCH     |     | 390     |          |          |          | 12 | GB21-2602    | 5796-APB OR -AHC         | 1     | S H   |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| IMS/V5 DATA COMPRESSION FACILITY          |            | 5798-DCJ     |     | 85      |          |          |          | 12 | GB21-2612    | OS/V5                    | 1 S H       |
| DATA-SET MIGRATION AND PLANNING AID       |            | 5798-DCK     |     | 145     |          |          |          | 12 | GB21-2614    | OS/V5                    | 1 S H       |
| FINANCIAL PLANNING SYSTEM II - VM/CMS     | FPS II     | 5798-DCN     |     | 200     |          |          |          |    | GB21-2622    | VM/CMS WITH VSAPL        | 1 S E       |
| DPCX OUTPATIENT BILLING SYSTEM            |            | 5798-DCP     |     | 265     |          |          |          | 12 | GB21-2626    | 8100/DPCX                | 1 S H       |
| COPICS SHOP ORDER RELEASE II              |            | 5798-DCQ     |     | 230     |          |          |          |    | GB21-2648    | DOS/VSE,OS/V5 DL/I       | 1 S E       |
| COPICS INVENTORY PLANNING FORECASTING II  |            | 5798-DCR     |     | 172     |          |          |          |    | GB21-2650    | DOS/VSE,OS/V5 DL/I       | 1 S E       |
| 3730 DISTRIBUTED OFFICE SUPPORT FOR 6670  |            | 5798-DCW     |     | 125     |          |          |          | 12 | GB21-2631    | CICS/OS/V5               | 1 S H       |
| >CICS/V5 COMMAND LEVEL PROGRAMMING COURSE |            | 5798-DCX     |     | 1290    |          |          |          | 01 | GB21-2628    | IIS, IIPS                | 1 L H       |
| DPCX EMPLOYMENT SERVICE JOB BROWSE        |            | 5798-DCY     |     | 90      |          |          |          | 12 | GB21-2659    | 8100/DPCX                | 1 S H       |
| VSE / CENTRAL CONTROL FACILITY            | CCF        | 5798-DCZ     |     | 207     |          |          |          |    | GB21-2663    | DOS/VSE                  | 1 S E       |
| 1419 PROOF OF DEPOSIT MICR CAPTURE        |            | 5798-DDC     |     | 300     |          |          |          | 12 | GB21-2668    | DOS/VSE                  | 1 S H       |
| 8100 DPPX PAYROLL MANAGEMENT SYSTEM       |            | 5798-DDD     |     | 300     |          |          |          | 12 | GB21-2666    | DPPX/BASE                | 1 S H       |
| FUNDAMENTALS OF BANKING COURSE            | FB001      | 5798-DDH     |     | 125     |          |          |          | 12 | GB21-2652    | IIS, IIPS                | 1 L H       |
| DPPX COBOL APPLICATION CROSS REFERENCE    |            | 5798-DDJ     |     | 20      |          |          |          | 12 | GB21-2672    | DPPX                     | 1 S H       |
| 3800 REPORT DISTRIBUTION                  |            | 5798-DDK     |     | 180     |          |          |          | 12 | GB21-2676    | OS/V5                    | 1 S H       |
| DPCX ACCOUNTING SYSTEM / DEPARTMENTAL     |            | 5798-DDL     |     | 110     |          |          |          | 12 | GB21-2688    | DMS/3790, DPCX           | 1 S H       |
| >DPPX MORTGAGE BANKING SYSTEM             |            | 5798-DDN     |     | 515     |          |          |          | 12 | GB21-2691    | DPPX/BASE                | 1 S H       |
| DPPX DTMS DPS TRANSACTION SIMULATION      |            | 5798-DDP     |     | 95      |          |          |          | 12 | GB21-2701    | 8100/DPPX                | 1 S H       |
| 3650 RETAIL TRANSACTION STAGING           |            | 5798-DDQ     |     | 215     |          |          |          | 12 | GB21-2703    | OS/V5, VSE 5748-D14      | 1 S H       |
| >INVENTORY FORECASTING & REPLENISHMENT II | INF0REM II | 5798-DDR     |     | 625     |          |          |          | 24 | GB21-2695    | OS/V5, DOS/VSE           | 1 S H       |
| >INF0REM II ALLOCATION                    |            | 5798-DDT     |     | 560     |          |          |          | 24 | GB21-2695    | OS/V5, DOS/VSE           | 1 S H       |
| APPLICATION DEVELOPMENT FACILITY COURSE   | ADF        | 5798-DDW     |     | 125     |          |          |          | 12 | GB21-2712    | IIS, IIPS                | 1 L H       |
| >INTRODUCTION TO VSE/ICCF                 |            | 5798-DDX     |     | 55      |          |          |          | 12 | GB21-2709    | IIS, IIPS                | 1 L H       |
| 3279 EXECUTIVE PRESENTATION SYSTEM        |            | 5798-DEB     |     | 345     |          |          |          | 12 | GB21-2725    | VM, TSO + GDDM           | 1 S H       |
| DMS/CICS/V5 ONLINE DEBUGGING AID          |            | 5798-DEC     |     | 50      |          |          |          | 12 | GB21-2727    | OS/V5, DOS/VSE           | 1 S H       |
| >DPPX POWER PLANT MAINTENANCE             |            | 5798-DED     |     | 170     |          |          |          | 12 | GB21-2729    | DMS/DPPX                 | 1 S H       |
| STAIRS TO ATMS TRANSFER EXTENDED          |            | 5798-DEE     |     | 105     |          |          |          | 12 | GB21-2731    | CICS/OS-DOS/V5           | 1 S H       |
| VSPC CUSTOMIZED FOREGROUND FACILITY       |            | 5798-DEF     |     | 110     |          |          |          | 12 | GB21-2733    | OS/V5                    | 1 S H       |
| IMS/V5 MASTER TERMINAL OPERATOR TRAINING  |            | 5798-DEG     |     | 75      |          |          |          | 12 | GB21-2736    | IIS, IIPS                | 1 L H       |
| V5 APL VARIABLE CONVERSION PROCESSOR      |            | 5798-DEH     |     | 140     |          |          |          | 12 | GB21-2739    | VSAPL                    | 1 S H       |
| 8100 3640 SPECIAL SUPPORT SUBROUTINES     |            | 5798-DEJ     |     | 40      |          |          |          | 12 | GB21-2719    | 8100/DPPX-COBOL          | 1 S H       |
| MVS VIRTUAL STORAGE MONITOR               |            | 5798-DEL     |     | 60      |          |          |          | 12 | GB21-2721    | MVS, 5740-XY4            | 1 S H       |
| >VIRTUAL SYSTEM TIME SHARED I/O FOR VSAPL | VSTSIO     | 5798-DEN     | P   | 210     |          |          |          | 12 | GB21-2741    | TSO, VSAPL               | 1 S H       |
| AIRLINE CONTROL PROGRAM TESTING IN VM     | ACP/VM     | 5798-DEP     |     | 400     |          |          |          | 12 | GB21-2743    | VM/SP, VM/BSEF, VM/SE    | 1 S H       |
| DATA DICTIONARY LANGUAGE PREPROCESSOR     |            | 5798-DEQ     |     | 55      |          |          |          | 12 | GB21-2758    | OS/V5, COBOL, PL/I, ASM  | 1 S H       |
| DATA DICTIONARY UTILITIES                 |            | 5798-DER     |     | 60      |          |          |          | 12 | GB21-2746    | OS/V5                    | 1 S H       |
| >INF0REM II ONLINE PROCESSOR              |            | 5798-DET     |     | 640     |          |          |          | 24 | GB21-2695    | OS/V5, DOS/VSE           | 1 S H       |
| >CREDIT AUTHORIZATION                     |            | 5798-DEW     | P   | 2625    |          |          |          | 12 | GB21-2748    | OS/V5, CICS/V5           | 1 S H       |
| >CADAM (R) INSTALLATION PRODUCTIVITY AID  |            | 5798-DEX     |     | 1150    |          |          |          | 01 | GB21-2753    | OS/V5, VM/CMS            | 1 S H       |
| PROBLEM DETERMINATION FOR MVS OPERATORS   | MVSPD1/-2  | 5798-DEY     |     | 760     |          |          |          | 01 | GB21-2760    | IIS, IIPS                | 1 L H       |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >ORDER ENTRY USING DPPX/DMS               |            | 5798-DEZ     |     | 175     |          |          |          | 24 | GB21-2794    | DPPX/DMS,DPPX/DTMS       | 1 S H       |
| OPERATOR TRAINING FOR 3033 AP / MP        |            | 5798-DFA     |     | 105     |          |          |          | 12 | GB21-2769    | IIS,IIPS                 | 1 L H       |
| VSE SYSTEM IPO/E CICS INSTALLATION AID    |            | 5798-DFB     |     | 615     |          |          |          | 01 | GB21-2778    | DOS/VSE CICS ICCF        | 0 S H       |
| INTRODUCTION TO ADRS-II                   |            | 5798-DFC     |     | 105     |          |          |          | 12 | GB21-2780    | IIS,IIPS                 | 1 L H       |
| >VTAM PERFORMANCE & ANALYSIS REPORTING II | VTAMPARS   | 5798-DFE     | P   | 140     |          |          |          |    | GB21-2786    | OS/VSE,ACF/VTAM          | 1 S E       |
| >PLANT FLOOR COLLECTION & LOT TRACKING    |            | 5798-DFG     |     | 310     |          |          |          | 12 | GB21-2881    | DPPX+3640                | 1 S H       |
| FORTRAN UTILITIES FOR VM/CMS              |            | 5798-DFH     |     | 200     |          |          |          | 12 | GB21-2796    | VM/CMS                   | 1 S H       |
| DOS DATA BASE GUIDE & SPACE ESTIMATES     |            | 5798-DFJ     |     | 35      |          |          |          | 12 | GB21-2798    | DOS/VSE,DOS/VSE          | 1 S H       |
| VIDEO/370 VSE/VSAM SUPPORT                |            | 5798-DFK     |     | 85      |          |          |          | 12 | GB21-2800    | 5736-RC3/02 DOS/VSE      | 1 S H       |
| ROUTING TABLE GENERATOR FOR ACF NETWORKS  |            | 5798-DFL     |     | 65      |          |          |          |    | GB21-2805    | OS/VSE                   | 1 S E       |
| >FAST SCAN UTILITY II                     |            | 5798-DFN     |     | 920     |          |          |          | 01 | GB21-2908    | OS/VSE,IMS/VSE           | 0 S H       |
| >ACF NETWORK GENERATION AID               |            | 5798-DFP     |     | 950     |          |          |          | 01 | GB21-2809    | OS/VSE,DOS/VSE           | 1 S H       |
| COPICS PLANT MONITORING - HOST INTERFACE  |            | 5798-DFR     |     | 115     |          |          |          |    | GB21-2842    | OS/VSE VSE 5798-DFR      | 1 S E       |
| COPICS PLANT MONITORING & CONTROL - 8100  |            | 5798-DFR     |     | 431     |          |          |          |    | GB21-2842    | DPPX 5798-DFR            | 1 S E       |
| >3800 SIDE-BY-SIDE PAGE PROCESSOR         |            | 5798-DFW     |     | 65      |          |          |          | 12 | GB21-2816    | OS/VSE                   | 1 S H       |
| >USING TSO EFFECTIVELY II                 |            | 5798-DFX     |     | 995     |          |          |          | 01 | GB21-2818    | IIS,IIPS                 | 1 L H       |
| >FILE CONVERSION FOR WORD PROCESSORS      |            | 5798-DFY     |     | 835     |          |          |          | 01 | GB21-2821    | OS/VSE,DOS/VSE           | 0 S H       |
| >COBOL INTERACTIVE DEBUG TRAINING II      |            | 5798-DFZ     |     | 995     |          |          |          | 01 | GB21-2825    | IIS,IIPS                 | 1 L H       |
| FORTRAN BDAM PERFORMANCE ENHANCEMENT      |            | 5798-DGA     |     | 50      |          |          |          | 12 | GB21-2853    | 5734-IC3 OS/VSE          | 1 S H       |
| TAPE AUTOMATION - PRODUCTION ENVIRONMENT  |            | 5798-DGB     |     | 200     |          |          |          | 12 | GB21-2828    | DOS/VSE                  | 1 S H       |
| >SYSTEM ERROR MANAGEMENT FACILITY         |            | 5798-DGD     |     | 55      |          |          |          |    | GB21-2834    | DOS/VSE,CICS/VSE         | 1 S E       |
| >SYSTEM ERROR MANAGEMENT FACILITY         |            | 5798-DGE     |     | 65      |          |          |          |    | GB21-2836    | OS/VSE,CICS/VSE          | 1 S E       |
| >SYSTEM ERROR MANAGEMENT FACILITY         |            | 5798-DGF     | P   | 140     |          |          |          |    | GB21-2838    | IMS/VSE                  | 1 S E       |
| >IBM 8100/DPPX FILE PRINT UTILITY         |            | 5798-DGG     |     | 25      |          |          |          | 12 | GB21-2840    | DPPX                     | 1 S H       |
| ONLINE MEMBERSHIP SYSTEM                  |            | 5798-DGH     |     | 563     |          |          |          | 24 | GB21-2850    | VM/CMS                   | 1 S H       |
| >CMS FUNDAMENTALS II                      |            | 5798-DGJ     | P   | 120     |          |          |          | 12 | GB21-2855    | IIS,IIPS                 | 1 L H       |
| >TCAM SUBTASK TRACE ANALYSIS REPORT       |            | 5798-DGK     |     | 45      |          |          |          | 12 | GB21-2860    | OS/VSE,ACF/TCAM          | 1 S H       |
| >SPOOL DISPLAY AND SEARCH FACILITY        | SDSF       | 5798-DGN     | P   | 100     |          |          |          | 12 | GB21-2865    | MVS/JES2                 | 1 S H       |
| >THREE DIMENSIONAL PRESENTATION GRAPHICS  |            | 5798-DGP     |     | 145     |          |          |          | 12 | GB21-2867    | VM/CMS,MVS,GDDM          | 1 S H       |
| >NETWORK INTERFACE MODULE                 |            | 5798-DGT     |     | 45      |          |          |          | 12 | GB21-2875    | OS/VSE,ACF/VTAM          | 1 S H       |
| >ATMS III INSTALLATION AID                |            | 5798-DGX     |     | 825     |          |          |          | 01 | GB21-2879    | DOS/VSE                  | 0 S H       |
| >3650 APPLICATION DEVELOPMENT DEBUG       |            | 5798-DGY     |     | 70      |          |          |          | 12 | GB21-2883    | OS/VSE,DOS/VSE           | 1 S H       |
| >8100 COBOL APPLICATION INTEGRITY MONITOR |            | 5798-DGZ     |     | 1000    |          |          |          | 01 | GB21-2885    | DPPX                     | 1 S H       |
| >8100 AUTOMATED ADMINISTRATION ACTIVITIES |            | 5798-DHB     |     | 940     |          |          |          | 01 | GB21-2889    | DPCX                     | 1 S H       |
| >DOS VIDEO/370 REVERSE EXTRACT II         |            | 5798-DHD     | P   | 75      |          |          |          | 12 | GB21-2893    | DOS/VSE                  | 1 S H       |
| >COST / BENEFIT MODELING AID              |            | 5798-DHE     |     | 355     |          |          |          | 12 | GB21-2898    | OS/VSE,DOS/VSE,VM        | 1 S H       |
| >ACF/VTAM BUFFER SELECTION AID            |            | 5798-DHF     |     | 675     |          |          |          | 01 | GB21-2900    |                          | 1 S H       |
| >DATA DICTIONARY LANGUAGE PREPROCESSOR    |            | 5798-DHG     |     | 735     |          |          |          | 01 | GB21-2902    | DOS/VSE,DL/I             | 1 S H       |
| >DMS/DPPX MANAGEMENT AID                  |            | 5798-DHH     |     | 240     |          |          |          | 01 | GB21-2904    | DMS/DPPX                 | 0 S H       |
| >AUTOMATED TELLER SYSTEM 3600 4700        |            | 5798-DHK     | P   | 180     |          |          |          | 12 | GB21-2909    | 3600 4700                | 1 S H       |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >CICS/VS ONLINE DATASET RECOVERY FACILITY |            | 5798-DHL     |     | 670     |          |          |          | 01 | GB21-2911    | CICS/DOS NON-DL/I        | 1 S H       |
| >INTERFACING APL BASED PRODUCTS COURSE    |            | 5798-DHN     |     | 1190    |          |          |          | 01 | GB21-2914    | IIS, IIPS                | 1 L H       |
| >DATA DICTIONARY UTILITIES                |            | 5798-DHQ     |     | 650     |          |          |          | 01 | GB21-2920    | DOS/VSE, DL/I            | 1 S H       |
| >NETWORK INTERFACE MODULE                 |            | 5798-DHR     |     | 610     |          |          |          | 01 | GB21-2922    | DOS/VSE, ACF/VTAM        | 1 S H       |
| >8100 DPPX SPOOL OUTPUT TRANSCRIPTION     |            | 5798-DHW     |     | 600     |          |          |          | 01 | GB21-2926    | DPPX                     | 1 S H       |
| >PROGRAM & PANEL DATA SET UTILITY         |            | 5798-DHX     |     | 335     |          |          |          | 01 | GB21-2928    | DPX                      | 0 S H       |
| >8100 FORM LETTER GENERATION SYSTEM       |            | 5798-DHY     |     | 1120    |          |          |          | 01 | GB21-2931    | DPX                      | 1 S H       |
| >CARDFILE FACILITY                        |            | 5798-DJG     | P   | 100     |          |          |          | 12 | GB21-2942    | DPX                      | 1 S H       |
| >DMS/CICS EXTENDED ACCESS                 |            | 5798-DJH     |     | 650     |          |          |          | 01 | GB21-2944    | DMS/CICS/OS/DOS          | 1 S H       |
| >APL FILE MANAGEMENT                      |            | 5798-DJK     |     | 1105    |          |          |          | 01 | GB21-2951    | VM/CMS                   | 1 S H       |
| >VSE/ICCF AUTOMATED LIBRARY MANAGER       |            | 5798-DJR     |     | 330     |          |          |          | 01 | GB21-2956    | DOS/VSE ICCF             | 1 S H       |
| >PRESENTATION ENHANCEMENTS USING THE 3800 |            | 5798-DJY     | P   | 120     |          |          |          | 12 | GB21-2965    | OS/VSE                   | 1 S H       |
| >VISUAL AIDS PREPARATION SYSTEM           |            | 5798-DJZ     |     | 1300    |          |          |          | 01 | GB21-2968    | GDDM/PGF                 | 1 S H       |
| >DITTO FOR SYSTEM/3 DISK                  |            | 5798-NAJ     |     | 75      |          |          |          | 12 | GB30-0809    | SYSTEM/3                 | 1 I H       |
| >DITTO FOR S3-8,10 W/DIR ATT 3741         |            | 5798-NCJ     |     | 81      |          |          |          | 12 | GB30-0809    | SYSTEM/3                 | 1 I H       |
| >INVEN/3 - COMPUTER ASSISTED INV          |            | 5798-NCX     |     | 345     |          |          |          | 12 | GB30-0688    | SYSTEM/3                 | 1 I H       |
| >IPICS--CAPACITY PLANNING                 |            | 5798-NCY     |     | 172     |          |          |          | 12 | GB30-0691    | SYSTEM/3                 | 1 I H       |
| >IPICS--PRODUCTION CONTROL                |            | 5798-NCZ     |     | 402     |          |          |          | 12 | GB30-0694    | SYSTEM/3                 | 1 I H       |
| >A/P FOR DIRECTLY ATTACHED 3741           |            | 5798-NDE     |     | 178     |          |          |          | 12 | GB30-0706    | SYSTEM/3                 | 1 S H       |
| >G/L FOR DIRECTLY ATTACHED 3741           |            | 5798-NDF     |     | 98      |          |          |          | 12 | GB30-0719    | SYSTEM/3                 | 1 S H       |
| >PAYROLL FOR DIRECTLY ATTACH 3741         |            | 5798-NDG     |     | 172     |          |          |          | 12 | GB30-0722    | SYSTEM/3                 | 1 S H       |
| >FIXED ASSET ACCTG/DIR ATT 3741           |            | 5798-NDH     |     | 161     |          |          |          | 12 | GB30-0725    | SYSTEM/3                 | 1 S H       |
| >QUERY FOR DIRECTLY ATTACH 3741           |            | 5798-NDJ     |     | 58      |          |          |          | 12 | GB21-0770    | SYSTEM/3                 | 1 I H       |
| >POSTBILLING FOR DIR ATTACH 3741          |            | 5798-NDK     |     | 120     |          |          |          | 12 | GB30-0791    | SYSTEM/3                 | 1 S H       |
| >OPEN ITEM A/R FOR DIR ATT 3741           |            | 5798-NDL     |     | 120     |          |          |          | 12 | GB30-0791    | SYSTEM/3                 | 1 S H       |
| >S/A FOR DIRECTLY ATTACHED 3741           |            | 5798-NDN     |     | 69      |          |          |          | 12 | GB30-0791    | SYSTEM/3                 | 1 S H       |
| >INVENTORY FOR DIRECT ATT 3741            |            | 5798-NDP     |     | 75      |          |          |          | 12 | GB30-0791    | SYSTEM/3                 | 1 S H       |
| >CCP SOURCE LIBRARY MAINT SYS             |            | 5798-NDR     |     | 98      |          |          |          | 06 | GB30-0715    | SYSTEM/3                 | 1 S H       |
| >APPLICATION FLOWCHARTER                  |            | 5798-NDT     |     | 385     |          |          |          | 01 | GB30-0743    | SYSTEM/3                 | 0 S H       |
| >REMOTE JOB ENTRY FOR POWER/VS            |            | 5798-NDW     |     | 143     |          |          |          | 12 | GB30-0746    | SYSTEM/3                 | 1 S H       |
| >INTEGR CUST ACCT & PROF FOR FIN          |            | 5798-NED     |     | 373     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >INTEGR CUST ACCT & PROF FOR FIN          |            | 5798-NEF     |     | 339     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >INTEGR CUST ACCT & PROF FOR FIN          |            | 5798-NEJ     |     | 264     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >INTEGR CUST ACCT & PROF FOR FIN          |            | 5798-NEN     |     | 276     |          |          |          | 12 | GB30-0763    | SYSTEM/3                 | 1 I H       |
| >EXTENDED TIMER SUPPORT                   |            | 5798-NEP     |     | 46      |          |          |          | 06 | GB30-0787    | SYSTEM/3                 | 0 S H       |
| >PUBLIC BUDGETING & FINANCIAL REP         |            | 5798-NFC     |     | 379     |          |          |          | 12 | GB30-0956    | SYSTEM/3                 | 1 S H       |
| >TERMINAL SEARCH FACILITY                 |            | 5798-NFD     |     | 81      |          |          |          | 06 | GB30-0797    | SYSTEM/3                 | 1 S H       |
| >ONLINE BICARSA                           |            | 5798-NHF     |     | 454     |          |          |          | 12 | GB30-0842    | SYSTEM/3                 | 1 I H       |
| >ONLINE ACCOUNTS PAYABLE                  |            | 5798-NHG     |     | 201     |          |          |          | 12 | GB30-0844    | SYSTEM/3                 | 1 S H       |
| >ONLINE GENERAL LEDGER/FINANCIAL          |            | 5798-NHH     |     | 166     |          |          |          | 12 | GB30-0846    | SYSTEM/3                 | 1 S H       |



| <u>PROGRAM INFORMATION</u>        | <u>ORDER</u>  | <u>T</u> | <u>LIC</u> | <u>DSLO</u> | <u>LLPS</u> | <u>MLPS</u> | <u>GENERAL</u> | <u>ENVIRONMENT</u>  | <u>T I S</u> |
|-----------------------------------|---------------|----------|------------|-------------|-------------|-------------|----------------|---------------------|--------------|
| <u>SHORT NAME</u>                 | <u>NUMBER</u> | <u>C</u> | <u>FEE</u> | <u>FEE</u>  | <u>FEE</u>  | <u>FEE</u>  | <u>INFO</u>    | <u>OR FEATURE #</u> | <u>P L V</u> |
| >ONLINE COMPREHENSIVE PAYROLL     | 5798-NHJ      |          | 201        |             |             | 12          | GB30-0848      | SYSTEM/3            | 1 S H        |
| >ONLINE OPEN-ITEM A/R 53-M15      | 5798-NJF      |          | 258        |             |             | 12          | GB30-0897      | SYSTEM/3            | 1 I H        |
| >ONLINE SECURITY FACILITY         | 5798-NJG      |          | 115        |             |             | 12          | GB30-0900      | SYSTEM/3            | 1 S H        |
| >ONLINE SCREEN DESIGN FACILITY    | 5798-NJK      |          | 402        |             |             | 01          | GB30-0765      | SYSTEM/3            | 0 S H        |
| >OCL DOCUMENTATION & MODIF AID    | 5798-NJP      |          | 345        |             |             | 01          | GB30-0918      | SYSTEM/3            | 0 S H        |
| >JOB ACCOUNTING FOR MODEL 15      | 5798-NJQ      |          | 69         |             |             | 06          | GB30-0920      | SYSTEM/3            | 1 S H        |
| >PIPICS -- BATCH PRODUCT DATA CTL | 5798-NJW      |          | 184        |             |             | 24          | GB30-0929      | SYSTEM/3            | 1 I H        |
| >PIPICS -- PRODUCT COSTING        | 5798-NJX      |          | 69         |             |             | 24          | GB30-0932      | SYSTEM/3            | 1 I H        |
| >PIPICS -- INVENTORY ACCOUNTING   | 5798-NJY      |          | 195        |             |             | 24          | GB30-0935      | SYSTEM/3            | 1 I H        |
| >PIPICS -- MATERIAL REQ PLANNING  | 5798-NJZ      |          | 212        |             |             | 24          | GB30-0938      | SYSTEM/3            | 1 I H        |
| >PROOF OF DEPOSIT TRANSIT W/SUBR8 | 5798-NKC      |          | 138        |             |             | 12          | GB30-0949      | SYSTEM/3            | 1 S H        |
| >ENHANCEMENTS TO PUB BUDG/FIN REP | 5798-NKF      |          | 81         |             |             | 12          | GB30-0956      | SYSTEM/3            | 1 S H        |
| >DATA BASE TECHNIQUES             | 5798-NKG      |          | 115        |             |             | 06          | GB30-0959      | SYSTEM/3            | 1 S H        |
| >MULTIPLE INDEX SUPPORT FOR DISK  | 5798-NKJ      |          | 69         |             |             | 06          | GB30-0964      | SYSTEM/3            | 1 S H        |
| >PROJECT CONTROL SYSTEM           | 5798-NKK      |          | 345        |             |             | 12          | GB30-0966      | 5120 SYSTEM         | 1 S H        |
| >S/3 DITTO FOR MODEL 15 MODEL D   | 5798-NKL      |          | 120        |             |             | 12          | GB30-0809      | SYSTEM/3            | 1 S H        |
| >PROOF OF DEPOSIT TRANSIT SYS     | 5798-NKQ      |          | 138        |             |             | 12          | GB30-0986      | SYSTEM/32           | 1 S H        |
| >S/3 TO S/32 CONVERSION AID       | 5798-NKT      |          | 345        |             |             | 01          | GB30-0977      | SYSTEM/32           | 0 S H        |
| >EXTENDED QUERY UTILITY - EQU5/32 | 5798-NKW      |          | 86         |             |             | 12          | GB30-0983      | SYSTEM/32           | 1 S H        |
| >EXTENDED QUERY UTILITY-EQU5/3    | 5798-NKX      |          | 86         |             |             | 12          | GB30-0981      | SYSTEM/3            | 1 S H        |
| >O/L SOURCE LIBRARY MAINT SYSTEM  | 5798-NKY      |          | 143        |             |             | 06          | GB30-0979      | SYSTEM/3            | 1 S H        |
| >TELLER CONTROL PROGRAM           | 5798-NKZ      |          | 287        |             |             | 12          | GB30-0992      | SYSTEM/3            | 1 S H        |
| >DATA BASE TECHNIQUES             | 5798-NLA      |          | 104        |             |             | 06          | GB30-0995      | SYSTEM/32           | 1 S H        |
| >SYS/32 TO 3741 DATA TRANSFER     | 5798-NLB      |          | 63         |             |             | 06          | GB30-1004      | SYSTEM/32           | 1 S H        |
| >FIXED ASSET ACCTG & CTL SYS      | 5798-NLD      |          | 161        |             |             | 12          | GB30-1006      | SYSTEM/32           | 1 S H        |
| >INTELLIGENT TERMINAL SUBSYSTEM   | 5798-NLG      |          | 126        |             |             | 12          | GB30-1032      | SERIES/1            | 1 S H        |
| >IPICS ENG/PROD DATA CTL VER II   | 5798-NLH      |          | 172        |             |             | 24          | GB30-1024      | SYSTEM/3            | 1 I H        |
| >IPICS PRODUCT COSTING VERS II    | 5798-NLJ      |          | 69         |             |             | 24          | GB30-1026      | SYSTEM/3            | 1 I H        |
| >IPICS INVENTORY ACCTG VERS II    | 5798-NLK      |          | 178        |             |             | 24          | GB30-1028      | SYSTEM/3            | 1 I H        |
| >IPICS MATERIAL REQ PLAN VERS II  | 5798-NLL      |          | 195        |             |             | 24          | GB30-1030      | SYSTEM/3            | 1 I H        |
| >IPICS ONLINE MAT MGNT/DATA MAINT | 5798-NLR      |          | 287        |             |             | 12          | GB30-1039      | SYSTEM/3            | 1 I H        |
| >APPLICATION FLOWCHARTER          | 5798-NLW      |          | 345        |             |             | 01          | GB30-1043      | SYSTEM/32           | 0 S H        |
| >EVENT DRIVEN EXEC MACRO LIBRARY  | 5798-NNB      | P        | 28         |             |             |             | GB30-1052      | SERIES/1            | 1 S H        |
| >EVENT DRIVEN EXEC UTILITIES      | 5798-NNC      | P        | 10         |             |             |             | GB30-1052      | SERIES/1            | 1 S H        |
| >EVENT DRIVEN EXEC SUPERVISOR     | 5798-NND      | P        | 13         |             |             |             | GB30-1052      | SERIES/1            | 1 S H        |
| >S/34 ONLINE DATA COLLECT/INQUIRY | 5798-NNE      |          | 115        |             |             | 12          | GB30-1054      | SYSTEM/34           | 1 S H        |
| >ONLINE DATA COLL & INQUIRY       | 5798-NNG      |          | 230        |             |             | 12          | GB30-1060      | SYSTEM/3            | 1 S H        |
| >S/370 PROGRAM PREP FOR SERIES/1  | 5798-NNQ      | P        | 598        |             |             | 12          | GB30-1071      | SERIES/1            | 1 S H        |
| >DES PIN GENERATION PROGRAM       | 5798-NNX      |          | 920        |             |             | 01          | GB30-1077      | SYSTEM/3            | 0 S H        |
| >CREDIT UNION SYSTEM              | 5798-NNY      |          | 460        |             |             | 24          | GB30-1083      | SYSTEM/34           | 1 S H        |

| PROGRAM INFORMATION               | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-----------------------------------|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >HOSPITAL DATA INPUT SYSTEM       |            | 5798-NPB     |     | 81      |          |          |          | 12 | GB30-1089    | SYSTEM/32                | 1 S H       |
| >S/32 TO S/34 CONVERSION AID      |            | 5798-NPC     |     | 230     |          |          |          | 01 | GB30-1092    | SYSTEM/34                | 0 S H       |
| >INVTY ACCTG/MGMT REPORT SYSTEM   |            | 5798-NPD     |     | 100     |          |          |          | 24 | GB30-1095    | SYSTEM/32                | 1 S H       |
| >S/34 COMPUTER ASSISTED TRAINING  |            | 5798-NPE     |     | 115     |          |          |          | 06 | GB30-1104    | SYSTEM/34                | 1 S H       |
| >BUSINESS PLANNING SYSTEM         |            | 5798-NPG     |     | 230     |          |          |          | 12 | GB30-1110    | 5120 SYSTEM              | 1 S H       |
| >5110 GENERAL LEDGER              |            | 5798-NPH     |     | 86      |          |          |          | 12 | GB30-1113    | 5120 SYSTEM              | 1 S H       |
| >PAYROLL                          |            | 5798-NPJ     |     | 92      |          |          |          | 12 | GB30-1117    | 5120 SYSTEM              | 1 S H       |
| >5110 ACCOUNTS PAYABLE            |            | 5798-NPK     |     | 86      |          |          |          | 12 | GB30-1119    | 5120 SYSTEM              | 1 S H       |
| >BUSINESS REPORT/APPL DEV SYS     |            | 5798-NPL     |     | 58      |          |          |          | 12 | GB30-1122    | 5120 SYSTEM              | 1 L H       |
| >5110 ACCOUNTS RECEIVABLE         |            | 5798-NPN     |     | 86      |          |          |          | 12 | GB30-1151    | 5120 SYSTEM              | 1 S H       |
| >BASIC TEXT EDITOR                |            | 5798-NPT     |     | 58      |          |          |          | 12 | GB30-1153    | 5120 SYSTEM              | 1 S H       |
| >INTELLIGENT DATE ENTRY SYSTEM    |            | 5798-NPY     | P   | 63      |          |          |          | 12 | GB30-1134    | SERIES/1                 | 1 S H       |
| >REMOTE JOB ENTRY FOR CPS         |            | 5798-NPZ     | P   | 29      |          |          |          | 12 | GB30-1134    | SERIES/1                 | 1 S H       |
| >FIXED ASSET ACCTG & CONTR SYS    |            | 5798-NQF     |     | 161     |          |          |          | 12 | GB30-1156    | SYSTEM/34                | 1 S H       |
| >PUBLIC UTILITY CUST SERVICE SYS  |            | 5798-NQG     |     | 287     |          |          |          | 12 | GB30-1159    | SYSTEM/34                | 1 S H       |
| >PROCD DOCUMEN/MODIFICATION AID   |            | 5798-NQH     |     | 575     |          |          |          | 01 | GB30-1163    | SYSTEM/32                | 0 S H       |
| >CONTROLLED ACCESS SYSTEM - 1     |            | 5798-NQJ     | P   | 166     |          |          |          | 12 | GB30-1175    | SERIES/1                 | 1 S H       |
| >DATA BASE TECHNIQUES             |            | 5798-NQK     |     | 138     |          |          |          | 06 | GB30-1170    | SYSTEM/34                | 1 S H       |
| >MULT INDEX SUPPORT - DISK FILES  |            | 5798-NQL     |     | 69      |          |          |          | 06 | GB30-1168    | SYSTEM/34                | 1 S H       |
| >LINEAR PROGRAMMING-MEAT BLENDING |            | 5798-NQQ     |     | 172     |          |          |          | 12 | GB30-1180    | 5120 SYSTEM              | 1 S H       |
| >JOINT INT G/L ACCTG FOR OIL/GAS  |            | 5798-NQM     |     | 546     |          |          |          | 12 | GB30-1191    | SYSTEM/32                | 1 S H       |
| >O/L ENTRY & INQUIRY - LAW FIRMS  |            | 5798-NQZ     |     | 104     |          |          |          | 12 | GB30-1200    | SYSTEM/34                | 1 S H       |
| >OPTICAL MARK READER SUPPORT      |            | 5798-NRC     |     | 575     |          |          |          | 01 | GB30-1202    | 5120 SYSTEM              | 1 S H       |
| >COMPUTING FOR AN ACCTG PRACTICE  |            | 5798-NRE     |     | 166     |          |          |          | 12 | GB30-1205    | 5120 SYSTEM              | 1 S H       |
| >OPTIMUM BLENDING                 |            | 5798-NRF     |     | 195     |          |          |          | 12 | GB30-0697    | SYSTEM/32                | 1 S H       |
| >ONLINE DATA FILE DISPLAY PROGRAM |            | 5798-NRG     |     | 287     |          |          |          | 01 | GB30-0701    | SYSTEM/3                 | 0 S H       |
| >SCREEN DESIGN AID                |            | 5798-NRH     |     | 258     |          |          |          | 01 | GB30-0699    | 5120 SYSTEM              | 0 S H       |
| >NURSING HOME PHARMACY SYSTEM     |            | 5798-NRL     |     | 138     |          |          |          | 12 | GB30-1224    | SYSTEM/32                | 1 S H       |
| >RETAIL PHARMACY SYSTEM           |            | 5798-NRN     |     | 603     |          |          |          | 12 | GB30-1226    | SYSTEM/34                | 1 S H       |
| >EDX PROGRAM PREP FACILITY        |            | 5798-NRP     | P   | 14      |          |          |          |    | GB30-1212    | SERIES/1                 | 1 S H       |
| >EDX UTILITIES - VERSION 2        |            | 5798-NRQ     | P   | 12      |          |          |          |    | GB30-1212    | SERIES/1                 | 1 S H       |
| >EDX BASIC SUPERV & EMULATOR-VER2 |            | 5798-NRR     | P   | 16      |          |          |          |    | GB30-1212    | SERIES/1                 | 1 S H       |
| >PAYROLL OVERTIME CALCULATION     |            | 5798-NRT     |     | 218     |          |          |          | 01 | GB30-1217    | SYSTEM/32                | 0 S H       |
| >O/L HOSP DATA ENTRY/INQUIRY      |            | 5798-NRX     |     | 195     |          |          |          | 12 | GB30-1214    | SYSTEM/34                | 1 S H       |
| >ONLINE JOBS: INITIATION/REVIEW   |            | 5798-NRW     |     | 86      |          |          |          | 12 | GB30-1219    | SYSTEM/3                 | 1 S H       |
| >SYS/3 TO SYS/34 CONVERSION AID   |            | 5798-NTE     |     | 431     |          |          |          | 01 | GB30-1231    | SYSTEM/34                | 0 S H       |
| >VIRTUAL COBOL SUBSYSTEM RTM      |            | 5798-NTF     |     | 46      |          |          |          | 12 | GB30-1100    | SERIES/1                 | 1 S H       |
| >EDX SUPERMARKET ENERGY MANAGEMNT |            | 5798-NTH     |     | 115     |          |          |          | 12 | GB30-1233    | SERIES/1                 | 1 S H       |
| >HOSPITAL DATA INPUT SYSTEM       |            | 5798-NTJ     |     | 81      |          |          |          | 12 | GB30-1089    | SYSTEM/34                | 1 S H       |
| >INTERACTIVE PURCHASING SYSTEM    |            | 5798-NTK     |     | 267     |          |          |          | 12 | GB30-1238    | SYSTEM/34                | 1 S H       |

| PROGRAM INFORMATION               | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-----------------------------------|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >SUPERMARKET COMMUNICATION SYS    |            | 5798-NTL     |     | 230     |          |          |          | 12 | GB30-1247    | SYSTEM/34                | 1 S H       |
| >MODEL 15D TERMINAL PRINTING SYS  |            | 5798-NTZ     |     | 230     |          |          |          | 06 | GB30-1002    | SYSTEM/3                 | 1 S H       |
| >FIXED ASSET ACCTG & CONTROL SYS  |            | 5798-NWA     |     | 161     |          |          |          | 12 | GB30-1241    | 5120 SYSTEM              | 1 S H       |
| >FACILITIES CONTROL MULTIPLEXER   |            | 5798-NWB     |     | 138     |          |          |          | 12 | GB30-1275    | SERIES/1                 | 1 S H       |
| >COMPLIMENTARY FOLIO ACCOUNTING   |            | 5798-NWC     |     | 517     |          |          |          | 12 | GB30-1281    | SYSTEM/3                 | 1 S H       |
| >ONLINE FILE MAINT PROGRAM WRITER |            | 5798-NWD     |     | 75      |          |          |          | 06 | GB30-1287    | SYSTEM/34                | 1 S H       |
| >APPL SUPP - CONSUMER TRANS FACIL |            | 5798-NWE     |     | 575     |          |          |          | 12 | GB30-1295    | SYSTEM/3                 | 1 S H       |
| >S/34 INTERACTIVE STUDENT RECORDS |            | 5798-NWF     |     | 172     |          |          |          | 12 | GB30-1300    | SYSTEM/34                | 1 I H       |
| >ONLINE STUDENT REG. SYSTEM       |            | 5798-NWP     |     | 333     |          |          |          | 12 | GB30-1312    | SYSTEM/34                | 1 S H       |
| >S/34 GRAPHING SYSTEM             |            | 5798-NWQ     |     | 69      |          |          |          | 06 | GB30-1315    | SYSTEM/34                | 1 S H       |
| >ADMINISTRATIVE CONTROL SYSTEM    |            | 5798-NWT     |     | 287     |          |          |          | 12 | GB30-1318    | SYSTEM/34                | 1 S H       |
| >PROOF OF DEPOSIT TRANSIT SYSTEM  |            | 5798-NWW     |     | 172     |          |          |          | 12 | GB30-1141    | SYSTEM/34                | 1 S H       |
| >INVEN/34 INVENTY/PURCH MGMT SYS  |            | 5798-NWX     |     | 488     |          |          |          | 12 | GB30-1102    | SYSTEM/34                | 1 S H       |
| >DATA CONVERSION SYSTEM           |            | 5798-NXA     |     | 113     |          |          |          | 24 | GB30-1290    | SYSTEM/3                 | 1 S H       |
| >S/3 COBOL DATA BASE TECHNIQUES   |            | 5798-NXC     |     | 190     |          |          |          | 06 | GB30-1472    | SYSTEM/3                 | 1 S H       |
| >ITS PRINT SPOOL                  |            | 5798-NXD     |     | 92      |          |          |          | 12 | GB30-1305    | SERIES/1                 | 1 S H       |
| >S110 INVENTORY REPORTING         |            | 5798-NXX     |     | 115     |          |          |          | 12 | GB30-1328    | 5120 SYSTEM              | 1 S H       |
| >TELLER CONTROL PROG ENHANCEMENTS |            | 5798-NXL     |     | 155     |          |          |          | 12 | GB30-1331    | SYSTEM/3                 | 1 S H       |
| >INTELLIGENT DATA ENTRY SYS II    |            | 5798-NXQ     | P   | 109     |          |          |          | 24 | GB30-1352    | SERIES/1                 | 1 S H       |
| >BUSINESS REPORT/APPL DEV SYS II  |            | 5798-NXT     |     | 98      |          |          |          | 12 | GB30-1341    | 5120 SYSTEM              | 1 S H       |
| >S/3 TO S/38 COBOL CONVERSION     |            | 5798-NXW     |     | 575     |          |          |          | 01 | GB30-1362    | SYSTEM/3                 | 0 S H       |
| >AUDIO SUPPORT FOR TOUCH-TONE     |            | 5798-NXX     |     | 201     |          |          |          | 12 | GB30-1350    | SERIES/1                 | 1 S H       |
| >DMAS II BILLING ENH - FOOD DISTR |            | 5798-NXY     |     | 207     |          |          |          | 12 | GB30-1340    | SYSTEM/34                | 1 S H       |
| >DMAS II A/R ENHAN - FOOD DISTR   |            | 5798-NXZ     |     | 138     |          |          |          | 12 | GB30-1340    | SYSTEM/34                | 1 S H       |
| >POINT OF SALE DATA COLLECTION    |            | 5798-NYA     |     | 258     |          |          |          | 12 | GB30-1397    | SERIES/1                 | 1 S H       |
| >DLR PARTS INVTY COMMUNIC SYSTEM  |            | 5798-NYB     |     | 132     |          |          |          | 12 | GB30-1346    | SYSTEM/34                | 1 S H       |
| >5260 POS DATA CONVERSION SYSTEM  |            | 5798-NYC     |     | 86      |          |          |          | 12 | GB30-1348    | 5120 SYSTEM              | 1 S H       |
| >S110/5120 ADMIN CONTROL SYSTEM   |            | 5798-NYF     |     | 115     |          |          |          | 12 | GB30-1376    | 5120 SYSTEM              | 1 S H       |
| >S/1 CENTRAL TOLL DATA COLLEC     |            | 5798-NYG     |     | 185     |          |          |          | 12 | GB30-1651    | SERIES/1                 | 1 S H       |
| >S/1 REMOTE TOLL DATA COLLEC      |            | 5798-NYH     |     | 100     |          |          |          | 12 | GB30-1653    | SERIES/1                 | 1 S H       |
| >AUTOMATED INSTRUMENT CONTROL     |            | 5798-NVJ     | P   | 15      |          |          |          | 12 | GB30-1381    | SERIES/1                 | 1 S H       |
| >X-RAY FLUORESCENCE ANALYSIS      |            | 5798-NVK     |     | 150     |          |          |          | 12 | GB30-1381    | SERIES/1                 | 1 S H       |
| >X-RAY POLYCRYSTALLINE DIFFRACT   |            | 5798-NYL     |     | 120     |          |          |          | 12 | GB30-1381    | SERIES/1                 | 1 S H       |
| >S/3 DBT TO S/38 CONVER AID       |            | 5798-NYN     |     | 247     |          |          |          | 01 | GB30-1389    | SYSTEM/3                 | 0 S H       |
| >ADVANCE EARNED INCOME CREDIT I/F |            | 5798-NYQ     |     | 575     |          |          |          | 01 | GB30-1395    | SYSTEM/34                | 1 S H       |
| >S/34 COBOL CONVERS AID-FROM NCR  |            | 5798-NYR     |     | 900     |          |          |          | 01 | GB30-1433    | SYSTEM/34                | 0 S H       |
| >ONLINE TERMINAL SUPPORT II       |            | 5798-NYZ     |     | 345     |          |          |          | 12 | GB30-1409    | SYSTEM/3                 | 1 S H       |
| >S/34 COMPUTER ASSISTED TRNG II   |            | 5798-NZA     |     | 130     |          |          |          | 06 | GB30-1481    | SYSTEM/34                | 1 S H       |
| >S/34 CALENDAR MANAGEMENT SYSTEM  |            | 5798-NZB     |     | 316     |          |          |          | 12 | GB30-1401    | SYSTEM/34                | 1 S H       |
| >S/34 STRIP & BAR CUTTING OPTIMIZ |            | 5798-NZC     |     | 75      |          |          |          | 12 | GB30-1406    | SYSTEM/34                | 1 S H       |

| PROGRAM INFORMATION               | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-----------------------------------|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >S/1 TEXT ROUTING SYSTEM          |            | 5798-NZG     |     | 373     |          |          |          | 24 | GB30-1435    | SERIES/1                 | 1 S H       |
| >OS 6 COMM & FILE CONVERSION SYS  |            | 5798-NZH     |     | 143     |          |          |          | 06 | GB30-1431    | SYSTEM/34                | 1 S H       |
| >S/1 HOST PL/1 - RPS              |            | 5798-NZJ     |     | 960     |          |          |          | 24 | GB30-1483    | SERIES/1                 | 1 S H       |
| >S/1 HOST PL/1 - EDX              |            | 5798-NZK     |     | 960     |          |          |          | 24 | GB30-1486    | SERIES/1                 | 1 S H       |
| >DEALER PARTS INVNTY COMM SYSTEM  |            | 5798-NZL     |     | 86      |          |          |          | 12 | GB30-1443    | 5120 SYSTEM              | 1 S H       |
| >5110/5120 BRADS II SCREEN DESIGN |            | 5798-NZQ     |     | 345     |          |          |          | 01 | GB30-1464    | 5120 SYSTEM              | 1 S H       |
| >S/34 STRATEGIC PROFIT MODEL      |            | 5798-NZR     |     | 287     |          |          |          | 01 | GB30-1424    | SYSTEM/34                | 1 S H       |
| >S/34 ONLINE REJECT RE-ENTRY      |            | 5798-NZY     |     | 46      |          |          |          | 12 | GB30-1445    | SYSTEM/34                | 1 S H       |
| >S/1 TELEPHONE LISTING MGMT SYS   |            | 5798-NZZ     | P   | 180     |          |          |          | 12 | GB30-1452    | SERIES/1                 | 1 S H       |
| >3600 O/L TERMINAL SUPPORT - S/34 |            | 5798-RAA     |     | 253     |          |          |          | 12 | GB30-1454    | SYSTEM/34                | 1 S H       |
| >S/1 EDX ENERGY CONSERVATION SYS  |            | 5798-RAB     | P   | 149     |          |          |          | 24 | GB30-1450    | SERIES/1                 | 1 S H       |
| >S/1 TEXT ENTRY & EDIT FACILITY   |            | 5798-RAR     | P   | 276     |          |          |          | 12 | GB30-1470    | SERIES/1                 | 1 S H       |
| >S/3 TO S/38 BATCH CONVERSION AID |            | 5798-RBC     |     | 690     |          |          |          | 01 | GB30-1504    | SYSTEM/38                | 0 S H       |
| >S/34 CENTRAL SITE MAINTENANCE    |            | 5798-RBD     |     | 92      |          |          |          | 06 | GB30-1494    | SYSTEM/34                | 1 S H       |
| >S/34 MICR PROGRAM GENERATOR      |            | 5798-RBE     |     | 63      |          |          |          | 12 | GB30-1476    | SYSTEM/34                | 1 S H       |
| >S/34 DEALER PARTS INVNTY         |            | 5798-RBG     |     | 287     |          |          |          | 24 | GB30-1498    | SYSTEM/34                | 1 S H       |
| >S/1 EDX FILE CREATION            |            | 5798-RBL     | P   | 46      |          |          |          | 12 | GB30-1496    | SERIES/1                 | 1 S H       |
| >S/34 DMAS II PHYS INVNTY ENHANCE |            | 5798-RBN     |     | 92      |          |          |          | 12 | GB30-1506    | SYSTEM/34                | 1 S H       |
| >S/34 HOSP PATIENT MGMT SYSTEM    |            | 5798-RBP     |     | 600     |          |          |          | 24 | GB30-1634    | SYSTEM/34                | 1 S H       |
| >S/1 SPEC TERM INTERFACE PROCESSO |            | 5798-RBQ     |     | 120     |          |          |          | 24 |              | SERIES/1                 | 1 S H       |
| >S/1 NATIVE APPL LOAD FAC - VER 2 |            | 5798-RBR     |     | 172     |          |          |          | 12 | GB30-1071    | SERIES/1                 | 1 S H       |
| >S/34 O/L HOSP FILE MAINT SYSTEM  |            | 5798-RBX     |     | 120     |          |          |          | 06 | GB30-1514    | SYSTEM/34                | 1 S H       |
| >S/1 VIRTUAL BASIC SUPERVISOR     |            | 5798-RBY     | P   | 29      |          |          |          | 36 | GB30-1466    | SERIES/1                 | 1 S H       |
| >5280 CONSTR DATA ENTRY/EDIT      |            | 5798-RBZ     |     | 50      |          |          |          | 12 | GB30-1516    | 5280 DATA SYSTEM         | 1 S H       |
| >S/1 X-RAY SEARCH/MATCH           |            | 5798-RCG     |     | 460     |          |          |          | 12 | GB30-1381    | SERIES/1                 | 1 S H       |
| >5280 FORMAT DESIGN AID           |            | 5798-RCR     |     | 600     |          |          |          | 01 | GB30-1548    | 5280 DATA SYSTEM         | 1 S H       |
| >S/34 MFG ORDER TRACKING SUBSYS   |            | 5798-RCT     |     | 104     |          |          |          | 06 | GB30-1536    | SYSTEM/34                | 1 S H       |
| >S/1 DATA COLLEC EDIT & TRANSMIT  |            | 5798-RCX     | P   | 138     |          |          |          | 12 | GB30-1552    | SERIES/1                 | 1 S H       |
| >S/1 GENL PURP AUTO EXEC (GPAX)   |            | 5798-RCZ     | P   | 250     |          |          |          | 24 | GB30-1565    | SERIES/1                 | 1 S H       |
| >S/34 TO 5280 REPORT TRANSFER     |            | 5798-RDB     |     | 300     |          |          |          | 01 | GB30-1581    | SYSTEM/34                | 1 S H       |
| >S/34 MFRS INVNTY FORECASTING     |            | 5798-RDC     |     | 400     |          |          |          | 12 | GB30-1532    | SYSTEM/34                | 1 S H       |
| >S/34 FILE EXTRACT/COMMUNICATION  |            | 5798-RDD     |     | 75      |          |          |          | 06 | GB30-1576    | SYSTEM/34                | 1 S H       |
| >S/34 NEGOTIABLE ORDER OF WITHDRA |            | 5798-RDE     |     | 65      |          |          |          | 12 | GB30-1583    | SYSTEM/34                | 1 S H       |
| >5280 DISTRIBUTION ORDER ENTRY    |            | 5798-RDF     |     | 35      |          |          |          | 06 | GB30-1576    | 5280 DATA SYSTEM         | 1 S H       |
| >S/3-S/38 BATCH CONVERSION AID    |            | 5798-RDK     |     | 650     |          |          |          | 01 | GB30-1585    | SYSTEM/38                | 0 S H       |
| >S/34 DMAS II LIFO SUPPORT        |            | 5798-RDL     |     | 105     |          |          |          | 12 | GB30-1587    | SYSTEM/34                | 1 S H       |
| >S/34 APPLIC SUPPORT FOR 3624 CTF |            | 5798-RDP     |     | 800     |          |          |          | 12 | GB30-1626    | SYSTEM/34                | 1 S H       |
| >S/1 AIR QUALITY MONITORING SYS   |            | 5798-RDQ     |     | 560     |          |          |          | 12 | GB30-1591    | SERIES/1                 | 1 S H       |
| >VIRT MACH FACIL/370 FOR S/1      |            | 5798-RDR     |     | 720     |          |          |          | 12 | GB30-1590    | SERIES/1                 | 1 S H       |
| >S/1 EDX CF II                    |            | 5798-RDT     | P   | 55      |          |          |          | 36 | GB30-1593    | SERIES/1                 | 1 S H       |

| PROGRAM INFORMATION               | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|-----------------------------------|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >S/34 DATA COLLEC HOST            |            | 5798-RDX     |     | 69      |          |          |          | 01 | GB30-1552    | SYSTEM/34                | 1 S H       |
| >S/38 - S/1 COMMUNICATION UTILITY |            | 5798-RDY     |     | 50      |          |          |          | 12 | GB30-1579    | SYSTEM/38                | 1 S H       |
| >S/34 ONLINE PRINTER SPEC AID     |            | 5798-RFA     |     | 50      |          |          |          | 06 | GB30-1619    | SYSTEM/34                | 1 S H       |
| >S/1 COMMUNICATING JOB STREAM     |            | 5798-RFC     |     | 650     |          |          |          | 01 | GB30-1628    | SERIES/1                 | 1 S H       |
| >S/38 SOURCE ARCHIVE              |            | 5798-RFD     |     | 60      |          |          |          | 06 | GB30-1630    | SYSTEM/38                | 1 S H       |
| >5110/5120 TO S/34 BASIC CONV AID |            | 5798-RFE     |     | 900     |          |          |          | 01 | GB30-1632    | SYSTEM/34                | 1 S H       |
| >S/1 3101 FULL SCREEN CPS         |            | 5798-RFF     | P   | 282     |          |          |          | 01 | GB30-1639    | SERIES/1                 | 1 S H       |
| >3694 ALLTIMES FILE TRANS FACIL   |            | 5798-RFJ     |     | 100     |          |          |          | 12 | GB30-1645    | SYSTEM/34                | 1 S H       |
| >3694 TABLE PREP FACILITY         |            | 5798-RFK     |     | 100     |          |          |          | 12 | GB30-1645    | SYSTEM/34                | 1 S H       |
| >3694 DOCUMENT CTL SECTION EDIT   |            | 5798-RFL     |     | 100     |          |          |          | 12 | GB30-1645    | SYSTEM/34                | 1 S H       |
| >S/34 ONLINE BICARSA              |            | 5798-RFR     |     | 450     |          |          |          | 12 | GB30-1667    | SYSTEM/34                | 1 S H       |
| >S/34 ONLINE ACCTS PAYABLE        |            | 5798-RFT     |     | 175     |          |          |          | 12 | GB30-1670    | SYSTEM/34                | 1 S H       |
| >S/34 G/L & FINAN ACCTG SYS       |            | 5798-RFW     |     | 150     |          |          |          | 12 | GB30-1673    | SYSTEM/34                | 1 S H       |
| >S/1 TEL TOLL DATA COL AE-SATT    |            | 5798-RFX     |     | 105     |          |          |          | 12 | GB30-1653    | SERIES/1                 | 1 S H       |
| >S/1 TEL TOLL DATA COL NT-500     |            | 5798-RFY     |     | 105     |          |          |          | 12 | GB30-1653    | SERIES/1                 | 1 S H       |
| >S/1 TEL TOLL DATA COL NT-400     |            | 5798-RGB     |     | 105     |          |          |          | 12 | GB30-1653    | SERIES/1                 | 1 S H       |
| >S/1 TEL TOLL DATA COL SC-75      |            | 5798-RGC     |     | 105     |          |          |          | 12 | GB30-1653    | SERIES/1                 | 1 S H       |
| >S/1 EDX CHAIN PHARMACY SYS       |            | 5798-RGD     | P   | 2200    |          |          |          | 01 | GB30-1699    | SERIES/1                 | 1 S H       |
| >S/1 CLIENT/PROSPECT FILE INSUR   |            | 5798-RGE     |     | 1100    |          |          |          | 01 | GB30-1745    | SERIES/1                 | 1 S H       |
| >S/23 DATAMASTER DOW JONES NEWS   |            | 5798-RGQ     |     | 275     |          |          |          | 01 | GB30-1684    | SYS/23 DATAMASTER        | 1 I H       |
| >S/38 COBOL CONVERSION AID        |            | 5798-RGT     |     | 1300    |          |          |          | 01 | GB30-1764    | SYSTEM/38                | 0 S H       |
| >S/23 CROP COSTING SYSTEM         |            | 5798-RGY     |     | 2000    |          |          |          | 01 | GB30-1766    | SYS/23 DATAMASTER        | 1 I H       |
| >HOST/370 STORE & FORWARD 5520    |            | 5798-RHA     |     | 1000    |          |          |          | 12 | GB30-1690    |                          | 1 S H       |
| >S/1 EDX LAB AUTOMATION           |            | 5798-RHB     |     | 300     |          |          |          | 12 | GB30-1688    | SERIES/1                 | 1 S H       |
| >5280 PROGRAMMER'S PROD AID & T/E |            | 5798-RHC     |     | 550     |          |          |          | 01 | GB30-1702    | 5280 DATA SYSTEM         | 1 S H       |
| >S/23 COMPUTERIZED FILLING SYSTEM |            | 5798-RHD     |     | 1440    |          |          |          | 01 | GB30-1695    | SYS/23 DATAMASTER        | 1 I H       |
| >S/38 FRONT END PROCESSOR         |            | 5798-RHE     |     | 350     |          |          |          | 12 | GB30-1712    | SYSTEM/38                | 1 S H       |
| >S/34 REMOTE DOC DISTRIB W/ 5520  |            | 5798-RHK     |     | 250     |          |          |          | 06 | GB30-1721    | SYSTEM/34                | 1 S H       |
| >S/34 BAR CODE PRINT FOR MAPICS   |            | 5798-RHN     |     | 150     |          |          |          | 06 | GB30-1706    | SYSTEM/34                | 1 S H       |
| >S/1 DATA CAPTURE/INTER EDIT B/C  |            | 5798-RHP     |     | 150     |          |          |          | 12 | GB30-1708    | SERIES/1                 | 1 S H       |
| >S/34 FIXED ASSET ACCTG/CTL II    |            | 5798-RJH     |     | 2100    |          |          |          | 01 | GB30-1787    | SYSTEM/34                | 1 S H       |
| >ON-LINE HOTEL FRONT OFC MGMT     |            | 5798-ZZA     |     | 1205    |          |          |          | 24 |              | SYSTEM/3                 | 1 S H       |
| >VIRTUAL COBOL CPS                |            | 5798-ZZB     |     | 58      |          |          |          | 12 |              | SERIES/1                 | 1 S H       |
| >EDX COMMUNICATIONS FACILITY      |            | 5798-ZZC     | P   | 40      |          |          |          | 36 | GB30-1307    | SERIES/1                 | 1 S H       |
| >S/1 3101/3275 DISP MGR SUBSYS    |            | 5798-ZZD     |     | 5750    |          |          |          | 01 |              | SERIES/1                 | 1 S H       |
| >S/1 EDX CF AIRLINE SUPPORT       |            | 5798-ZZE     | P   | 50      |          |          |          | 24 | GB30-1550    | SERIES/1                 | 1 S H       |
| >S/1 COMM CONTROLLER FOR S/38     |            | 5798-ZZF     |     | 250     |          |          |          | 12 | GB30-1579    | SERIES/1                 | 1 S H       |
| FORTRAN H EXTENDED PLUS           | RPQ-FA2468 | 5799-AAW     |     | 1485    | 1110     | 5        | 8        |    |              | MVS                      | 1 S K       |
| EMULATOR FOR RCA 301              | RPQ-P81002 | 5799-ADR     |     | 765     |          |          |          |    | GA24-3605    | DOS DOS/VS               | 0 S C       |
| EMULATOR FOR HONEYWELL 200        | RPQ-P81003 | 5799-ADT     |     | 708     |          |          |          |    | GA24-3604    | DOS DOS/VS               | 0 S C       |

| PROGRAM INFORMATION                      | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|--|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| DISPLAY MANAGEMENT SYSTEMS               | RPQ-206076 | 5799-AFD     |     | 4125    |          |          |          | 12 | SH20-1745    | 5799-AHE                 | 2 I B       |
| SPECIAL REAL TIME OPERATING SYST - SRTOS | RPQ-206751 | 5799-AHE     |     | 5015    |          |          |          | 12 | SH20-1773    | VS1                      | 2 I B       |
| LINK CONTROL FDX IATA 3704 SEP           | RPQ-P85027 | 5799-AHP     |     | 450     |          |          |          |    |              | ACP                      | 1 B         |
| >TQF/3 MODEL 10                          | RPQ-P84004 | 5799-AJR     |     | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0 S C       |
| >TQF/3 MODEL 15                          | RPQ-P84004 | 5799-AJT     |     | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0 S C       |
| GENERALIZED INFORMATION SYSTEM - GIS     | RPQ-8T0139 | 5799-ALX     |     | 589     |          |          |          |    | GH19-0082    | DOS/VS, DL/I             | 1 S B       |
| STAIRS/VS THESAURUS RETRIEVAL - TLS      | RPQ-P71044 | 5799-AQK     |     | 417     |          |          |          |    | GH20-1908    | VS1, VS2, STAIRS/VS      | 1 S B       |
| STAIRS/VS THESAURUS GENERATOR - TLS      | RPQ-P71045 | 5799-AQL     |     | 175     |          |          |          |    | GH20-1908    | OS/VS1, OS/VS2           | 1 S C       |
| SWIFT BSC EP SUPPORT                     | RPQ-Y96612 | 5799-AQT     |     | 86      |          |          |          |    | SC19-5017    | TCAM                     | 1 S A       |
| >TQF/3 MODEL 12                          | RPQ-P84004 | 5799-AQZ     |     | 78      |          |          |          |    | SC21-5107    | SYSTEM/3                 | 0 S C       |
| FINANCIAL SERVICES TERMINAL SUPPORT FSTS | RPQ-P09004 | 5799-ARD     |     | 544     |          |          |          |    | GH20-4531    | DOS/VS CICS/VS           | 1 I C       |
| FINANCIAL SERVICES TERMINAL SUPPORT FSTS | RPQ-P09005 | 5799-ARE     |     | 695     |          |          |          |    | GH20-4522    | CICS/OS/VS               | 1 I C       |
| MVT SUPPORT FOR 3350 / 3330-11           | RPQ-EG6453 | 5799-ARG     |     | 300     |          |          |          |    | GH20-9115    | OS/MVT                   | 1 I C       |
| EARTH RESOURCES MANAGEMENT II            | RPQ-MH2256 | 5799-ARX     |     | 2300    |          |          |          | 24 | GB11-5007    | VS1                      | 1 S C       |
| >CCP/DISK SORT MODEL 8 & 10              | RPQ-P84016 | 5799-ATF     |     | 43      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S C       |
| >CCP DISK SORT MODEL 12                  | RPQ-P84016 | 5799-ATG     |     | 43      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S C       |
| >CCP DISK SORT MODEL 15ABC               | RPQ-P84016 | 5799-ATH     |     | 43      |          |          |          |    | SC21-7522    | SYSTEM/3                 | 1 S C       |
| HASP SUPPORT FOR 3800                    | RPQ-MJ0792 | 5799-ATQ     |     | 525     |          |          |          |    | GH20-4493    | OS/MVT                   | 1 S C       |
| >SYSTEM/32 ANS/68 COBOL                  | RPQ-P84018 | 5799-AWQ     |     | 120     |          |          |          |    | GB0F-4764    | SYSTEM/32                | 1 S A       |
| >SYSTEM/34 ANS/68 COBOL                  | RPQ-P84019 | 5799-AWR     |     | 105     | 69       |          |          |    | GC21-7784    | SYSTEM/34                | 1 S A       |
| MVT SUPPORT FOR-3031/3032/3033           | RPQ-MJ2480 | 5799-AWX     |     | 12880   |          |          |          | 01 | GC28-0951    | OS/MVT                   | 1 S C       |
| TSS ENHANCEMENTS                         | RPQ-P09010 | 5799-AXA     |     | 5250    |          |          |          |    |              | TSS/370                  | 1 S E       |
| >INTELLIGENT REMOTE STAT SUPPORT         | RPQ-P84024 | 5799-AXL     |     | 106     |          |          |          |    | SC21-7747    | SYSTEM/3                 | 1 S D       |
| 3277 APL GRAPHICS ATTACHMENT SUPPORT     | RPQ-P09014 | 5799-AXW     |     | 84      |          |          |          |    | GH20-2146    | VSAPL:CMS, TSO, VSPC     | 1 S E       |
| 3277 GRAPHICS ATTACHMENT SUPPORT         | RPQ-P09013 | 5799-AXX     |     | 84      |          |          |          |    | GH20-2147    | VM/CMS, MVS/TSO          | 1 S E       |
| INTERACTIVE GEO-FACILITIES GRAPHICS IGGS | RPQ-P09016 | 5799-AYB     |     | 702     |          |          |          | 24 | GH20-2152    | TSO, VM & 5799-AXX       | 2 S E       |
| >S/3-15D SMF                             | RPQ-P84031 | 5799-AYQ     |     | 29      |          |          |          |    | GC21-5206    | SYSTEM/3                 | 1 S A       |
| >WORK STATION SUPPORT SUBROUT            | RPQ-P84034 | 5799-AYW     |     | 18      | 12       |          |          |    | GC21-7808    | SYSTEM/34                | 1 S A       |
| TSS ENHANCED SUPPORT II                  | RPQ-P09017 | 5799-AYX     |     | 3750    |          |          |          |    |              | TSS/370, 5799-AXA        | 1 S E       |
| 8100 DPPX DEVELOPMENT SYSTEM - DPDS      | RPQ-P88016 | 5799-AZL     |     | 632     |          |          |          |    | GC27-0505    | OS/VS                    | 1 S C       |
| CONSUMER TERMINAL ACCESS METHOD - CTAM   | RPQ-P83000 | 5799-AZN     |     | 290     |          |          |          |    | GH20-4576    | 3624 DEVICES             | 1 S C       |
| NETWORK EXTENSION FACILITY               | RPQ-P09021 | 5799-AZP     |     | 506     |          |          |          |    | GH20-5289    | ACF/NCP/VS               | 1 S E       |
| JES3 NETWORKING PRPQ                     | RPQ-P09022 | 5799-AZT     |     | 1555    | 1150     | 260      | 416      |    | GH20-2204    | NJI ENVIRONMENT          | 2 S K       |
| PEP EXTENDED FEATURES FOR THE 3705-II    | RPQ-P85032 | 5799-BAF     |     | 281     | 210      | 24       | 38       |    | GC30-9540    | VS1 MVS DOS/VSE VM       | 2 S K       |
| >DISTRIBUTED DISK FILE FACILITY DDFE     | RPQ-P84037 | 5799-BCP     |     | 93      | 61       |          |          |    | GC21-7872    | SYSTEM/34                | 1 S A       |
| >S/3-15D DDFE                            | RPQ-P84038 | 5799-BCQ     |     | 106     |          |          |          |    | GC21-7874    | SYSTEM/3                 | 1 S A       |
| DPPX SDLC AUTO ANSWER                    | RPQ-ML2503 | 5799-BDE     |     | 23      | 17       |          |          |    |              | 8100/DPPX                | 1 S B       |
| GEO-FACILITIES DATA BASE SUPPORT         | RPQ-P09030 | 5799-BEB     |     | 1725    |          |          |          | 36 | GH20-2482    | IMS, 5799-AYB            | 2 S B       |
| >3640 CICS/VS EXTENSIONS - 4331 LOOPS    | RPQ-P90000 | 5799-BEH     |     | 61      | 45       | 6        | 10       |    |              | DOS/VSE, OS/VS1          | 1 S K       |
| ADVANCED CONTROL SYSTEM - HOST ACS       | RPQ-P09031 | 5799-BEJ     |     | 17415   |          |          |          | 12 |              | 5799-AHE                 | 2 S E       |

| PROGRAM INFORMATION                     | SHORT NAME | ORDER NUMBER | T C | LIC FEE | DSLO FEE | LLPS FEE | MLPS FEE | MO | GENERAL INFO | ENVIRONMENT OR FEATURE # | T I S P L V |
|---|------------|--------------|-----|---------|----------|----------|----------|----|--------------|--------------------------|-------------|
| >SYSTEM/38 LOG RECOVERY                 | RPQ-P84042 | 5799-BEP     |     | 58      |          |          |          |    | GC21-7913    | SYSTEM/38                | 1 S D       |
| ADVANCED CONTROL SYSTEM - SERIES/1 ACS  | RPQ-P09032 | 5799-BEW     |     | 1415    |          |          |          | 12 |              | 5799-AHE                 | 2 S E       |
| PROFESSIONAL OFFICE SYSTEM - PROFS      | RPQ-P09033 | 5799-BEX     |     | 402     |          |          |          |    | GH24-2493    | VM/CMS                   | 1 S E       |
| >PAYROLL W2 FORM                        | RPQ-P82643 | 5799-BFD     |     | 75      |          |          |          | 01 |              | 5120 SYSTEM              | 1 S C       |
| >5224/5225 ADV PRINTER FUNCTION         | RPQ-P84045 | 5799-BFN     |     | 525     |          |          |          | 01 | GC21-7922    | SYSTEM/34                | 1 S E       |
| >TEXT EDITOR                            | RPQ-P84046 | 5799-BFP     |     | 1150    |          |          |          | 01 | GH30-0245    | SYSTEM/34                | 1 S E       |
| >TEXT MANAGEMENT                        | RPQ-P84087 | 5799-BFZ     |     | 50      |          |          |          |    | GC21-7925    | SYSTEM/38                | 1 S A       |
| >TSS/370 ENHANCED SUPPORT III           | RPQ-P09034 | 5799-BGA     |     | 9000    |          |          |          |    |              | TSS/370                  | 1 S E       |
| >4700 FIN SYS COM ONLINE TER SUP COLTS  | RPQ-P90002 | 5799-BGB     |     | 50      |          |          |          |    |              | 36/4700                  | 1 S B       |
| >CONTROL PROGRAM SUPPORT                | RPQ-P82508 | 5799-TAA     | R   | 20      |          |          |          | 24 | GC34-1557    | SERIES/1                 | 1 S C       |
| >4979 DISPLAY STATION CPS               | RPQ-P82515 | 5799-TAE     | R   | 2       |          |          |          | 24 | SC34-1554    | SERIES/1                 | 1 S C       |
| >BSC-CONTROL PROGRAM SUPPORT            | RPQ-P82516 | 5799-TAF     | R   | 5       |          |          |          | 24 | SC34-1553    | SERIES/1                 | 1 S C       |
| >INDEXED ACCESS METHOD CPS              | RPQ-P82519 | 5799-TAH     | R   | 6       |          |          |          | 24 | SC34-1556    | SERIES/1                 | 1 S C       |
| >4978/4979 DISPLAY STATION CPS          | RPQ-P82520 | 5799-TAK     | R   | 7       |          |          |          | 24 | GC34-1575    | SERIES/1                 | 1 S C       |
| >CPS EXTENSION I                        | RPQ-P82525 | 5799-TAL     | R   | 2       |          |          |          | 24 | SC34-1552    | SERIES/1                 | 1 S C       |
| >CPS EXTENSION II                       | RPQ-P82526 | 5799-TAQ     | R   | 2       |          |          |          | 24 | SC34-1559    | SERIES/1                 | 1 S C       |
| >CPS SORT/MERGE                         | RPQ-P82527 | 5799-TAT     | R   | 6       |          |          |          | 24 | SC34-1560    | SERIES/1                 | 1 S C       |
| >CPS DISK TABLE OF CONTENTS             | RPQ-P82528 | 5799-TAW     | R   | 1       |          |          |          | 24 | SC34-1561    | SERIES/1                 | 1 S C       |
| >CPS DISK SPOOLING                      | RPQ-P82529 | 5799-TAY     | R   | 3       |          |          |          | 24 | SC34-1563    | SERIES/1                 | 1 S C       |
| >CPS FORMAT/PRINT                       | RPQ-P82530 | 5799-TBA     | R   | 3       |          |          |          | 24 | SC34-1564    | SERIES/1                 | 1 S C       |
| >CPS OPER STATION/DEBUG PACK            | RPQ-P82532 | 5799-TBB     | R   | 10      |          |          |          | 24 | SC34-1562    | SERIES/1                 | 1 S C       |
| >CPS AUTO-CALL INTERFACE                | RPQ-P82533 | 5799-TBC     | R   | 6       |          |          |          | 24 | SC34-1552    | SERIES/1                 | 1 S C       |
| >CPS COMMERCIAL ARITHMETIC              | RPQ-P82534 | 5799-TBD     | R   | 2       |          |          |          | 24 | SC34-1566    | SERIES/1                 | 1 S C       |
| >CPS 4978/4979 DISPLAY MAP              | RPQ-P82531 | 5799-TBE     | R   | 5       |          |          |          | 24 | GC34-1585    | SERIES/1                 | 1 S C       |
| >REMOTE JOB ENTRY RPS RJE               | RPQ-P82575 | 5799-TBK     | R   | 38      |          |          |          |    | GC34-1599    | SERIES/1                 | 1 S C       |
| >CPS EXTENDED FUNCTION                  | RPQ-P82535 | 5799-TBQ     | R   | 3       |          |          |          | 24 | GC34-1586    | SERIES/1                 | 1 S C       |
| >CPS ADDRESS TRANSLATOR SUPPORT         | RPQ-P82536 | 5799-TBT     | R   | 7       |          |          |          | 24 | GC34-1601    | SERIES/1                 | 1 S C       |
| >RPS 4978 DISPLAY SUPPORT VER 3         | RPQ-P82572 | 5799-TCE     | R   | 3       |          |          |          |    | SC34-1592    | SERIES/1                 | 1 S C       |
| >RPS DISK SPOOLING VERSION 3            | RPQ-P82574 | 5799-TCH     | R   | 3       |          |          |          |    | SC34-1594    | SERIES/1                 | 1 S C       |
| >PACKET NETWORK SUPPORT RPS             | RPQ-P10008 | 5799-TCP     | R   | 52      |          |          |          |    |              | SERIES/1                 | 1 S E       |
| >COMMUNICATION MONITOR FOR SERIES/1 RPS | RPQ-P82598 | 5799-TCX     |     | 5220    |          |          |          | 01 | GL23-0002    | SERIES/1                 | 1 S C       |
| >RPS MULTIPLE TERMINAL MANAGER          | RPQ-P82596 | 5799-TCY     | R   | 921     |          |          |          |    | SC34-1658    | SERIES/1                 | 1 S C       |
| >CPS 4963 SUBSYSTEM                     | RPQ-P82541 | 5799-TCZ     | R   | 15      |          |          |          | 24 | GC34-1638    | SERIES/1                 | 1 S C       |
| >DATA COLLECT INTERACTIVE EDX           | RPQ-P82600 | 5799-TDE     | R   | 39      |          |          |          |    | GC34-1652    | SERIES/1                 | 1 S C       |
| >RPS TRANSIENT ACTIVITY TOOL V 1        | RPQ-P82606 | 5799-TDG     | R   | 6       |          |          |          |    | GC34-0286    | SERIES/1                 | 1 S C       |
| >RPS REMOTE MANAGEMENT UTILITY          | RPQ-P82597 | 5799-TDH     | R   | 7       |          |          |          |    | GC34-1663    | SERIES/1                 | 1 S C       |
| >CPS 4963/4966 SAVE/RESTORE             | RPQ-P82539 | 5799-TDK     | R   | 15      |          |          |          | 24 | GC34-1622    | SERIES/1                 | 1 S C       |
| >CPS 4969 MAG TAPE SUBSYSTEM            | RPQ-P82621 | 5799-TDW     | R   | 56      |          |          |          | 24 | GC34-0347    | SERIES/1                 | 1 S C       |
| >RPS MULT TERMINAL MANAGER V 2          | RPQ-P82622 | 5799-TDX     |     | 1550    |          |          |          | 12 | GC34-1691    | SERIES/1                 | 1 S E       |
| >RPS JOB STREAM PROCESSOR               | RPQ-P82635 | 5799-TEC     | R   | 12      |          |          |          |    | GC34-0398    | SERIES/1                 | 1 S E       |

| PROGRAM INFORMATION                       | SHORT NAME | ORDER    | T | LIC  | DSLO | LLPS | MLPS | GENERAL   | ENVIRONMENT          | T            | I   | S   |
|---|------------|----------|---|------|------|------|------|-----------|----------------------|--------------|-----|-----|
|   |            | NUMBER   | C | FREE | FEE  | FEE  | FEE  | MO        | INFO                 | OR FEATURE # | P   | L   |
| >SNA REMOTE MANAGEMENT UTILITY RPS        | RPQ-P82639 | 5799-TEF | R | 9    |      |      |      | GC34-1711 | SERIES/1             |              | 1   | S E |
| >SERIES/1 LETTER WRITER-V1 RPS            | RPQ-P82630 | 5799-TEH | R | 80   |      |      | 12   | GH30-0711 | SERIES/1             |              | 1   | S E |
| >CPS 4965 SUPPORT                         | RPQ-P82636 | 5799-TEK | R | 42   |      |      | 24   | GC34-1717 | SERIES/1             |              | 1   | S E |
| >370 HOST COBOL FOR SERIES/1 EDX          | RPQ-P82647 | 5799-TEL |   |      | 1435 |      | 24   | GC34-1720 | SERIES/1             |              | 1   | S E |
| >370 HOST COBOL FOR SERIES/1 RPS          | RPQ-P82648 | 5799-TEP |   |      | 1435 |      | 24   | GC34-1721 | SERIES/1             |              | 1   | S E |
| >SERIES/1 LETTER WRITER-V2 RPS            | RPQ-P82667 | 5799-TEY | R | 100  |      |      | 12   |           | SERIES/1             |              | 1   | S E |
| >S/3-8,10 MLTA                            | RPQ-S40028 | 5799-AUW |   |      |      |      |      | GC21-7560 | SYSTEM/3             |              | 0   | S C |
| >S/3 SUPPORT FOR 3735                     | RPQ-P84002 | 5799-WER |   |      |      |      |      | 6A27-3043 | SYSTEM/3             |              | 0   | S C |
| >1018/1442 COMPATABILITY                  | RPQ-841264 | 5799-WFD |   |      |      |      |      | GC21-5060 | SYSTEM/3             |              | 0   | S C |
| >S/3-15 MLTA                              | RPQ-S40028 | 5799-WFK |   |      |      |      |      | GC21-7560 | SYSTEM/3             |              | 0   | S C |
| DOS/VS REMOTE JOB ENTRY WORKSTATION RJE   | RPQ-WF0358 | 5799-WHX |   |      |      |      |      | GH20-1574 | DOS/VS               |              | 0   | S C |
| DOS/VS SUPPORT FOR 3330 - 3333-11         | RPQ-EF4346 | 5799-WHZ |   |      |      |      |      | GH20-4376 |                      |              | 0   | S C |
| AIRLINE CONTROL PROGRAM (ACP)             | RPQ-P09011 | 5799-WKG |   |      |      |      |      | GE20-0423 | VS1-VS2 (OFF-LINE)   |              | 0   | S B |
| >S/3-12 MLTA                              | RPQ-S40028 | 5799-WKH |   |      |      |      |      | GC21-7560 | SYSTEM/3             |              | 0   | S C |
| >SYSTEM/32 REMOTE JOB ENTRY RJE           | RPQ-P84011 | 5799-WKJ |   |      |      |      |      | GC21-7653 | SYSTEM/32            |              | 1   | S B |
| >CHANNEL CONNECTED SYSTEMS                | RPQ-GJ0769 | 5799-WNK |   |      |      |      |      | GC21-5199 | SYSTEM/3             |              | 0   | S B |
| MVSIZAP FOR THE 3850                      | RPQ-P87000 | 5799-WPK |   |      |      |      |      |           | MVS VS1              |              | 0   | S C |
| ACP TRANSACTION PROCESSING                | RPQ-P09026 | 5799-WQP |   |      |      |      |      | GH20-2140 | 5748-T11             |              | 0   | S E |
| SWIFT FOR ACF/NCP/VS REL 2                | RPQ-Y96614 | 5799-WRF |   |      |      |      |      | SC19-5016 | 3704/3705            |              | 0   | S S |
| >DISKETTE SOFTWARE                        | 6024-001   |          |   | 40   |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >MACRO ASSEMBLER                          | 6024-002   |          |   | 100  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >VISICALC (R)                             | 6024-004   |          |   | 200  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >EASYWRITER (R)                           | 6024-005   |          |   | 175  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >MICROSOFT ADVENTURE                      | 6024-006   |          |   | 30   |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >ACCOUNTS PAYABLE / PEACHTREE SOFTWARE    | 6024-007   |          |   | 595  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >GENERAL LEDGER / PEACHTREE SOFTWARE      | 6024-008   |          |   | 595  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >ACCOUNTS RECEIVABLE / PEACHTREE SOFTWARE | 6024-009   |          |   | 595  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >PASCAL COMPILER                          | 6024-010   |          |   | 300  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >FORTRAN COMPILER                         | 6024-012   |          |   | 350  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >TYPING TUTOR (DISKETTE VER)              | 6024-013   |          |   | 25   |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >UCSD P-SYSTEM (R) WITH UCSD-PASCAL (R)   | 6024-016   |          |   | 625  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >UCSD P-SYSTEM (R) WITH FORTRAN-77        | 6024-017   |          |   | 625  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >TYPING TUTOR (CASSETTE VER)              | 6024-018   |          |   | 25   |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >FAST TRACK (R)                           | 6024-023   |          |   | 90   |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >ARITHMETIC GAMES SET 1                   | 6024-024   |          |   | 60   |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >ARITHMETIC GAMES SET 2                   | 6024-025   |          |   | 60   |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >GENERAL ACCOUNTING BY BPI SYSTEMS INC    | 6024-026   |          |   | 425  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >ASYNCHRONOUS COMMUNICATION SUPPORT       | 6024-032   |          |   | 40   |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >UCSD PASCAL (R) COMPILER                 | 6024-033   |          |   | 175  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |
| >FORTRAN-77 COMPILER                      | 6024-034   |          |   | 175  |      |      | 01   | GX20-2397 | IBM PERSONAL COMPUTR | 0            | S H |     |



PROGRAM INFORMATION

>ADVANCED DIAGNOSTICS PACKAGE

| <u>SHORT NAME</u> | <u>ORDER NUMBER</u> | <u>T C</u> | <u>LIC FEE</u> | <u>DSLO FEE</u> | <u>LLPS FEE</u> | <u>MLPS FEE</u> | <u>MO</u> | <u>GENERAL INFO</u> | <u>ENVIRONMENT OR FEATURE #</u> | <u>T I S P L V</u> |
|-------------------|---------------------|------------|----------------|-----------------|-----------------|-----------------|-----------|---------------------|---------------------------------|--------------------|
|                   | 6025-077            |            | 155            |                 |                 |                 |           | 01 GX20-2397        | IBM PERSONAL COMPUTR            | 0 S H              |

