



**Model 990 Computer  
DNOS DBMS-990  
Object Installation**

Part No. 2272092-9701 \*C  
15 July 1982.

**READ FIRST**

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READ THIS DOCUMENT BEFORE ATTEMPTING TO USE THIS OBJECT KIT.  
THIS DOCUMENT DESCRIBES THE DBMS-990 OBJECT INSTALLATION MEDIA,  
PART NUMBERS 2276457-1601 OR 2276457-1603 AND 2276457-1604.

YOU MUST ALSO READ THE PRODUCT RELEASE INFORMATION, PART NUMBER  
2276459-9901 PRIOR TO INSTALLATION.

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## Section 1

### Introduction

#### 1.1 GENERAL INFORMATION

Be sure to copy this master. For copy procedures, refer to the DNOS System Operations Guide part number 2270502-9701.

All system command interpreter (SCI) commands in this document are given in abbreviated form and may be executed by entering the command exactly as is, or by using the interactive prompting from the SCI. For a discussion of the abbreviated command form, refer to the DNOS System Command Interpreter (SCI) Reference Manual, part number 2270503-9701.

#### 1.2 MEDIA DEFINITION

Product shipments are made in three formats:

- \* Disk - A DS10, DS25, DS300, DS50, CD1400, DS80 or DS200 disk pack or two dual-sided, double density diskettes that contain the object.
- \* Magnetic Tape - An 800 or 1600 bpi magnetic tape reel or a 1600 bpi magnetic tape cartridge that contains the object.
- \* Add-On - A disk pack that contains the source and one or more other products on the same disk pack.

The installation instructions in this document assume that the object files are on a disk named DBMS990N or a directory named .DBMS990N. Section 2 describes how to prepare the media for installation.

### 1.3 THE INSTALLATION PROCEDURE

The object media contains the files and batch streams to perform the following:

- \* Generate a data base configuration
- \* Install the newly configured system on your DNOS system
- \* Verify the installation

### 1.4 SYSTEM REQUIREMENTS

To successfully perform this installation procedure, you must have a functioning DNOS 1.X system.

## Section 2

### Preparing for Installation

#### 2.1 INTRODUCTION

Before executing the installation instructions, the object files must be prepared so that the batch stream can access them. The following paragraphs describe how to prepare each media.

#### 2.2 DISK FORMAT

When the object is received on a disk or diskette, the following steps will prepare it for generation and installation.

1. For disks:

- a. Put the installation disk in an available disk drive on a functioning DNOS 1.X system and load it.
- b. Install the disk using the following command:

```
IV U=DSxx, V=DBMS990N
```

In this command, DSxx will be the disk drive on which DBMS990N has been loaded.

Proceed to Section 3 for instructions for generating DBMS-990.

2. For diskettes:

- a. Load the disk on which you want the object files installed.
- b. Install this disk using the following command:

```
IV U=DSxx, V=<volume name>
```

In this command, DSxx is the name of the disk drive in which you loaded the disk and <volume name> is the name of the disk on which you want the object files installed.

c. Load the diskette named DBMSDD1N in an available disk drive.

d. Install the diskette using the following command:

```
IV U=DSxx, V=DBMSDD1N
```

In this command, DSxx is the name of the disk drive in which you loaded the diskette.

e. To place the files in a directory, create a directory using the following command:

```
CFDIR P=<volume name>.DBMS990N, M=100
```

In this command, <volume name> is the disk on which you want the object files installed.

f. Copy the contents of DBMSDD1N to the disk or directory using the following command:

```
CD I=DBMSDD1N, O=<pathname>, L=.LISTING1
```

In this command, <pathname> is the pathname of the disk or directory on which you want the object files installed.

g. When the copy is complete, unload the diskette and load the diskette named DBMSDD2N.

h. Install the diskette using the following command:

```
IV U=DSxx, V=DBMSDD2N
```

In this command, DSxx is the disk drive in which the DBMSDD2N diskette was loaded.

i. Copy the contents of this diskette to the disk or directory using the following command:

```
CD I=DBMSDD2N, O=<pathname>, L=.LISTING2
```

In this command, <pathname> is the pathname of the disk or directory on which you want the object files installed.

Proceed to Section 3 for instructions for generating DBMS-990.

### 2.3 MAGNETIC TAPE FORMAT

When the object is received on a magnetic tape reel or magnetic tape cartridge, you must first move the files to a disk before beginning the installation process. To do this:

1. Load the disk on which you want the object files installed.
2. Install this disk using the following command:

```
IV U=DSxx, V=<volume name>
```

In this command, DSxx is the name of the disk drive in which you loaded the disk and <volume name> is the name of the disk on which you want the object files installed.

3. To place the files in a directory, create a directory using the following command:

```
CFDIR P=<volume name>.DBMS990N, M=100
```

In this command, <volume name> is the disk on which you want the object files installed.

4. Load the magnetic tape reel or magnetic tape cartridge.
5. Move the contents of the magnetic tape reel or magnetic tape cartridge to your disk or directory using the following command:

```
RD S=MTxx, D=<pathname>, L=.LISTING
```

In this command, <pathname> is the pathname of the disk or directory on which you want the object files installed. The file .LISTING now contains a listing of the directory restored from the magnetic tape. This file can be examined by executing a Show File (SF) or a Print File (PF) command.

6. Unload the magnetic tape reel or magnetic tape cartridge.

Proceed to Section 3 for instructions for generating DBMS-990.



## 2.4 ADD-ON FORMAT

When you receive the object as an add-on package, use the following steps to prepare it for installation:

1. Put the add-on disk in an available disk drive on a functioning DNOS 1.X system and load it.
2. Install the disk using the following command:

```
IV U=DSxx, V=<volume name>
```

In this command, DSxx is the disk drive on which the volume was loaded and <volume name> is the volume name of the add-on disk. The volume name will be marked on the disk or you can execute a Show Volume Status (SVS) command to obtain the volume name.

3. Load the disk on which you want the object files installed.
4. Install this disk using the following command:

```
IV U=DSxx, V=<volume name>
```

In this command, DSxx is the name of the disk drive in which you loaded the disk and <volume name> is the name of the disk on which you want the object files installed.

5. To place the files in a directory, create a directory using the following command:

```
CFDIR P=<volume name>.DBMS990N, M=100
```

In this command, <volume name> is the disk on which you want the object files installed.

6. Copy the DBMS990N directory from the add-on disk to the disk or directory on which you want the object files installed using the following command:

```
CD I=<volume name>.DBMS990N, O=<pathname>, L=.LISTING
```

In this command, <volume name> is the name of the add-on disk and <pathname> is the pathname of the disk or directory on which the object files will be installed.

Proceed to Section 3 for instructions for generating DBMS-990.

## Section 3

## Generating DBMS-990

This section describes the procedure for generating a DBMS-990 configuration. The procedure is as follows:

1. Select the alternate procedure library by entering the following commands:

```
.OPTION MENU=LC
```

```
.USE DBMS990N.S$CMDS,.S$CMDS
```

2. Execute the generation procedure using the DBGEN command. This command is described in the Model 990 Computer DNOS Data Base Administrator User's Guide, part number 2272059-9701. The DBMS990N disk should not be write protected.

The DBGEN procedure executes in foreground for approximately two minutes and then returns to the SCI menu. If no errors are reported, a batch stream will have begun in background. This batch stream executes for approximately 20 minutes on a quiet system. Use the Wait (WAIT) command to wait for completion of the batch stream.

When the batch stream completes, the following messages are displayed:

```
I SCI-0049 BATCH SCI HAS COMPLETED
```

```
I MAIL-0001 RECEIVED <time, day, month, year>  
:GENERATION OF DBMS-990 COMPLETE WITH n ERRORS
```

In this message, n indicates the number of errors. If errors have occurred, other messages indicate which files to check to determine the cause of the errors.

3. If no errors occurred in the batch stream, text edit the patch file using the following command:

```
XE F=DBMS990N.BATCH.DNOS.PATCH
```

Instructions for editing the patch file are given at the beginning of the file.

The DBMS990N disk is now a master disk. This disk may be used for all installation procedures. The disk includes a file, DBMS990N.CONFIG, that describes the generated configuration. You may look at this file using a Show File (SF) command or print it using a Print File (PF) command.

When this process has completed successfully, exit from this mode using the following command:

.USE

This returns the SCI menu and allows you to unload the DBMS-990 installation disk.

## Section 4

## Installing DBMS-990

This section describes the procedure to install DBMS-990 on your DNOS system. The procedure performs the following:

- \* Deletes the existing DBMS
- \* Installs the procedures and tasks required for DBMS

The procedure steps are as follows:

1. The SCI procedures that are installed during this installation process cannot be used unless the logical name S\$DBMS is assigned. Assign S\$DBMS using the following command:

```
ALN L=S$DBMS, A=.S$DBMS
```

In this command, .S\$DBMS is the pathname of the directory that contains the program file.

The logical name assigned in this way is set for your user ID while you are logged on. Once you log off, the logical name becomes permanently assigned and can be used whenever you log on.

To set the logical name so that it is set for all users who log on your system, text edit the file .S\$CMDS.M\$00 adding the following command to the file:

```
ALN L=S$DBMS, A=.S$DBMS
```

In this command, .S\$DBMS is the pathname of the directory that contains the program file.

To use the logical name, log off your system and log on your system again. Each user who logs on your system can use this logical name. As the users log off the system, the logical name will become permanently assigned for use by that user. When all the users on your system have logged on and logged off, you may delete the ALN command from .S\$CMDS.M\$00.

2. Select the alternate procedure library using the following commands:

.OPTION MENU=LC

.USE DBMS990N.S\$CMDS,.S\$CMDS

3. Execute the installation procedure using the DBINS command. This command is described in the Model 990 Computer DNOS Data Base Administrator User's Guide, part number 2272059-9701. Before executing the command, make sure that the data base is not running and that the DBMS990N disk is not write protected.

This process executes in the foreground briefly and then continues in background for approximately 20 minutes on a quiet system. Enter the Wait (WAIT) command to wait for completion.

When the execution has completed the following messages are displayed:

```
I SCI-0049 BATCH SCI HAS COMPLETED
```

```
I MAIL-0001 RECEIVED <time, day, month, year>  
:DBMS-990 INSTALLATION COMPLETED WITH n ERRORS
```

In this message, n indicates the number of errors. If errors have occurred, other messages indicate which files to check to determine the cause of the errors.

When this process has completed successfully, exit from installation mode using the following command:

.USE

This returns the SCI menu and allows you to unload the DBMS-990 installation disk.

Proceed to Section 5 to verify the installation of DBMS-990.

Section 5

Verifying the Installation

Read the Release Information guide for DNOS DBMS-990 and install any required patches before proceeding with this section. Perform the following steps to ensure that DBMS-990 has been properly installed:

1. Start the data base by entering the SDBMS command and responding as follows:

```
START DATA BASE MANAGER <VERSION 2.2.0>
  MAXIMUM ASSIGNED FILES:
  MAXIMUM OPEN FILES:
  LOG FILE BLOCKING FACTOR:
```

NOTE

The LOG FILE BLOCKING FACTOR prompt appears only if transactions were not included during system generation.

The following screen then appears:

```
OPEN DBMS-990 LOG FILE
  LOGGING ACCESS NAME: DUMY
```

Respond as shown.

2. Assign the data base test file by entering the ADBF command and responding as follows:

```
ASSIGN DATA BASE FILE ID
  FILE ID: TEST
  DB FILE PATHNAME: S$DBMS.TEST.DATABASE
```

3. Execute Primitive Query by entering the PQUERY command. The following prompts appear:

```
PASSWORD:
LISTING ACCESS NAME:
```

Do not respond to the LISTING ACCESS NAME: prompt. The PASSWORD: prompt will be displayed only if

security is installed. If the PASSWORD: prompt is displayed, respond to it with the password you used to install security.

After you complete this menu, the following menu will appear:

```

PRIMITIVE QUERY
      FUNCTION: RS
      FILE ID: TEST
      KEY ID: KEY
      KEY VALUE:
      FIELD IDS: TEXT
NO. OF OUTPUT LINES:
      TERMINATE: YES

```

Respond to the menu as shown.

The output from this command should be as in the following:

```

=====
      LINE TYPE IS: 02

KEY          TEXT
TEST KEY
TEST KEY     THE OUTPUT OF THIS TEXT INDICATES THAT
TEST KEY     DBMS-990 HAS BEEN INSTALLED AND SATISFIES
TEST KEY     THIS TEST PROCEDURE.
TEST KEY
===== END OF DATA LINES =====

```

The test procedure will leave the test data base file, TEST, open. You may close this file or stop the data base manager, which will automatically close this file.

Appendix B of the Model 990 Computer DNOS Data Base Management System Programmer's Guide, part number 2272058-9701 provides further information about executing example programs. If the installation has been verified you can delete the directory S\$DBMS.TEST to save space.

## Section 6

## Removing DBMS-990

The following procedure will remove the installed DBMS-990 from your system. DBMS-990 must not be active and DD-990 cannot be installed when this procedure is executed.

1. Issue the following command:

```
.USE DBMS990N.S$CMDS,.S$CMDS
```

2. Enter the DBERASE command and answer the following prompts to delete DBMS-990:

```
ERASE INTALLED DBMS990
      VOLUME NAME:
      LISTING ACCESS NAME:
```

In this command, the VOLUME NAME prompt must contain the name of the disk on which DBMS-990 is installed.

When this command has completed, all DBMS-990 procedures, tasks, and command procedures have been deleted from your system.