



**Model 990 Computer
DX10 Data Dictionary
Object Installation**

Part No. 2276597-9701 **
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READ FIRST

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READ THIS DOCUMENT BEFORE ATTEMPTING TO USE THIS OBJECT KIT.
THIS DOCUMENT DESCRIBES THE DD-990 OBJECT INSTALLATION MEDIA,
PART NUMBERS 2276813-1601, 2276813-1602, AND 2276813-1603.

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Section 1

Introduction

1.1 GENERAL INFORMATION

Be sure to copy this master. For copy procedures, refer to Volume II, Production Operation of the DX10 Operating System Reference Manual, part number 946250-9702.

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 Volume II, Production Operation, of the DX10 Operating System Reference Manual, part number 946250-9702.

1.2 MEDIA DEFINITION

Product shipments are made in three formats:

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

A disk map showing the contents of the media is included in the Product Documentation Package.

The installation instructions in this document assume that the object files are on a disk named DD990 or a directory named .DD990. Section 2 describes how to convert the media to a disk named DD990 or a directory named .DD990.

1.3 THE INSTALLATION PROCEDURE

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

- * Generate a data dictionary configuration

- * Install the newly configured system on your DX10 system
- * Verify the installation

1.4 SYSTEM REQUIREMENTS

To successfully perform this installation procedure, you must have a functioning DX10 3.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 DX10 3.X system and load it.
- b. Install the disk using the following command:

```
IV U=DSxx, V=DD990
```

In this command, DSxx will be the disk drive on which DD990 has been loaded.

- c. Load the disk on which you want the object files installed.
- d. 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.

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

```
CFDIR P=<volume name>.DD990, M=100
```

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

- f. Copy the object files from the DD990 disk to the disk or directory using the following command:

```
CD I=DD990, O=<pathname>, L=.LISTING
```

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

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 DD990A in an available disk drive.

- d. Install the diskette using the following command:

```
IV U=DSxx, V=DD990A
```

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>.DD990, M=100
```

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

- f. Copy the contents of DD990A to the disk or directory using the following command:

```
CD I=DD990A, 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 DD990B.

- h. Install the diskette using the following command:

```
IV U=DSxx, V=DD990B
```

In this command, DSxx is the disk drive in which the DD990B diskette was loaded.

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

```
CD I=DD990B, O=<pathname>, L=.LISTING2
```

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

Now proceed to Section 3 for instructions for generating DD990.

2.3 MAGNETIC TAPE FORMAT

When the object is received on a magnetic tape, 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>.DD990, M=100
```

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

4. Load the magnetic tape on an available tape drive.
5. Move the contents of the magnetic tape 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 tape.

Now proceed to Section 3 for instructions for generating DD990.

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 DX10 3.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>.DD990, M=100

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

6. Copy the DD990 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>.DD990, 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.

Now proceed to Section 3 for instructions for generating DD990.

Section 3

Generating DD-990

This section describes the procedure for generating a DD-990 configuration. The most common cause of errors in the generation process is lack of synonym space. Before beginning the generation process, execute the List Synonyms (LS) command. If the list of synonyms is more than 24 lines long, delete all your user synonyms before beginning the generation.

1. Select the alternate procedure library using the following command:

```
.USE DD990.S$CMDS,.S$PROC
```

2. Execute the generation procedure using the DDGEN command. This command is described in the Model 990 Computer DD-990 User's Guide, part number 2276582-9701.

The DDGEN 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 message will be displayed if any errors occurred:

```
DDGEN complete with 0 errors
```

In this message, nn indicates the number of errors and <listing file> indicates which file to check to determine the cause of the errors.

The DD990 disk is now a master disk. This disk may be used for all installation procedures. The disk includes a file, DD990.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 DD990 installation disk.

Section 4

Installing DD-990

This section describes the procedure to install DD-990 on your DX10 system. The procedure performs the following:

- * Deletes the existing DD-990
- * Installs the procedures and tasks required for DD-990

The procedure steps are as follows:

1. Select the alternate procedure library using the following command:

```
.USE DD990.S$CMDS,.S$PROC
```

2. Execute the installation procedure using the DDINS command. This command is described in the Model 990 Computer DD-990 User's Guide, part number 2276582-9701.

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, if any errors have occurred, the following message is displayed:

```
DDINS complete with 0 errors
```

In this message, nn indicates the number of errors and <listing file> indicates the file 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 DD990 installation disk.

Section 5

Verifying the Installation

5.1 INTRODUCTION

In order to test the installation of DD-990, perform the following steps:

1. If DD-990 was installed on a site with DBMS-990, the data base must be running. If the data base is not running, enter the SDBMS command as follows:

```
START DATA BASE MANAGER <L.V.E.>
    MAXIMUM DBMS USERS: 5
    MAXIMUM ASSIGNED FILES: 5
    MAXIMUM OPEN FILES: 5
    LOG FILE BLOCKING FACTOR: 1
```

2. Execute the Assign Data Dictionary (ADD) command to assign the test dictionary as follows:

```
ASSIGN DATA DICTIONARY <L.V.E. YYDD>
    DICTIONARY PATHNAME: .S$DD.TEST.DDF$
```

Respond with the test dictionary pathname .S\$DD.TEST.DDF\$.

3. Execute the List File (LSTFIL) command as follows:

```
LIST DDL FOR A FILE <L.V.E. YYDD>
    MASTER PASSWORD:<master password if DBMS security exist
    FILE NAME/ID:TEST-FILE
    LISTING ACCESS NAME:<output pathname>
    MODE (F,B):F
```

If the LSTFIL command completes successfully, the following output will be generated:

```
FILE=TEST, TYPE=KIF
NAME=DD-TEST-FILE
DESCRIPTION
THIS LSTFIL OUTPUT INDICATES THAT DD-990
HAS BEEN SUCCESSFULLY INSTALLED
ENDD
*
ID=TSKY=GROUP,DUP=Y,MOD=N
```

```
NAME=TEST-FILE-KEY
FIELD=TSK1=CH/4
NAME=TEST-FILE-KEY1
FIELD=TSK2=CH/4
NAME=TEST-FILE-KEY2
ENDK
*
LINE=A0
GROUP=TSKY
NAME=TEST-FILE-KEY
FIELD=TSK1=CH/4
NAME=TEST-FILE-KEY1
FIELD=TSK2=CH/4
NAME=TEST-FILE-KEY2
ENDG
FIELD=TSTF=CH/4
NAME=TEST-FILE-FIELD
ENDL
*
END.
```

4. Execute the Release Data Dictionary (RDD) command to release the test dictionary file as follows:

```
RELEASE DATA DICTIONARY <L.V.E. YYDD>
ARE YOU SURE(Y/N)? : YES
```

5. If the test dictionary file is not be used again, delete the directory .S\$DD.TEST.

Section 6

Removing DD-990

If you no longer want DD990 on your system, the following procedure will remove the installed DD990. If DBMS is installed, DBMS must not be running. The dictionary must not be assigned when this procedure is executed.

1. Assign the synonym \$DSC to the disk on which you installed DD990 using the following command:

```
AS S=$DSC, V=<volume name>
```

In this command, <volume name> is the name of the disk on which DD990 is installed.

2. Execute the erase batch stream using the following command:

```
XB DD990.BATCH.DX.ERASE, L=.LISTING
```

When the batch stream has completed, all DD990 procedures, tasks, and command procedures have been deleted from your system.