AA–MH42B–TE

DECwrite

Installation Guide for VMS Systems

This guide describes how to install Version 1.1 of DECwrite on a VMS system.

Operating System: VMS Version 5.3-1 or higher

Software Version: DECwrite Version 1.1

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The postpaid Reader's Comments forms at the end of this document request your critical evaluation to assist in preparing future documentation.

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Preface

About This Guide

DECwrite is a document processing application that lets you create and format documents that contain both text and graphics. In addition, you can include data from supported cooperating applications into your DECwrite documents.

Purpose of This Guide

This guide describes how to install DECwrite on the VMS operating system. You should review the entire guide before you start the installation.

Who Should Use This Guide

This guide is for VMS system managers or others responsible for installing system software. To install DECwrite software, you must have access to a privileged account such as the SYSTEM account, and you must be familiar with the VMS installation procedure (VMSINSTAL).

Structure of This Guide

This guide has five chapters and two appendixes. Chapter 1 is a general introduction. Chapter 2 describes installation prerequisites and suggestions. Chapter 3 is the installation procedure. Chapter 4 describes postinstallation procedures and general usage information. Chapter 5 describes the DECwrite Font Utility that allows you to add, manage, and delete new fonts. Appendix A shows two sample installation procedures for reference purposes. Appendix B lists the files that DECwrite installs or modifies on your system.

For More Information

For more information about the DECwrite document processing application, see the following:

- *DECwrite Documentation Supplement*—a description of the new features supplied by DECwrite Version 1.1, and a list of corrections to the DECwrite Version 1.0 documentation
- *DECwrite Demonstration Document*—an online introduction to selected DECwrite concepts and operations

  To use the *Demonstration Document*, choose Edit Demo Document from the Help menu once you have started DECwrite.
- *DECwrite Getting Started*—a short tutorial about basic DECwrite operations
- *DECwrite User's Guide*—a description of DECwrite tasks
- *DECwrite Reference Manual*—a description of DECwrite concepts and operations
- *DECwrite Sample Documents*—printed copies of the style files provided with the DECwrite document processing application
- *DECwrite Quick Lookup*—a summary of basic DECwrite operations, menu items, and keyboard equivalents
- *DECchart Getting Started*—a short tutorial about basic DECchart operations
- *DECchart User's Guide*—a description of DECchart tasks
- *Using the DECwrite CDA Converters*—a description of the table and document converters packaged with DECwrite

For more information about the VMSINSTAL command procedure, see one of the following books:

- *VMS System Manager's Manual* (VMS Version 5.3 base documentation set)
- *Guide to Setting Up a VMS System* (VMS Version 5.3 full documentation set)

For more information about DECwindows, see the following:

- VMS *DECwindows User's Guide*
- VMS *DECwindows Desktop Applications Guide*

For more information about the CDA converters, see the following:

- *Using the CDA Converters*—a description of the table and document converters packaged with DECwrite, plus a description of other available CDA converters
- *Technical Guide to the CDA Converters*—a description of the CDA Converters and the CDA Viewer, which support the Digital architecture for compound documents (available only on CDROM)

Conventions

The following conventions are used in this guide:

mouse	The term *mouse* is used to refer to any pointing device, such as a mouse, a puck, or a stylus.
MB1, MB2, MB3	MB1 indicates the left mouse button, MB2 indicates the middle mouse button, and MB3 indicates the right mouse button. (The buttons can be redefined by the user.)
Alt	The Alt key is labeled as the Compose Character key on some keyboards.
Ctrl/x	A sequence such as Ctrl/x indicates that you must hold down the key labeled Ctrl while you press another key or a pointing device button.
PF1 x	A sequence such as PF1 x indicates that you must first press and release the key labeled PF1, then press and release another key or a pointing device button.
Return	A key name is shown enclosed to indicate that you press a key on the keyboard.
blue-green ink	Blue-green ink indicates information that you must enter from the keyboard or a screen object that you must choose or click on. For online versions, user input is shown in **bold**.
UPPERCASE TEXT	Uppercase letters indicate that you must enter a command (for example, enter OPEN/READ) or indicate the name of a routine, the name of a file, the name of a file protection code, or the abbreviation for a system privilege.
DECchart	The term DECchart refers to the DECchart™ software.
DECdecision	The term DECdecision refers to the DECdecision™ software.
DECpage	The term DECpage refers to the DECpage™ software.
DECwrite	The term DECwrite refers to the DECwrite™ software.
WPS-PLUS	The term WPS-PLUS refers to the WPS-PLUS™ software.

1 Introduction to DECwrite for VMS Systems

DECwrite is a compound document processing application that allows VMS users to create and format documents that contain text, graphics, images, and application data. DECwrite is compliant with the Compound Document Architecture (CDA).

Included with DECwrite is DECchart, a data-driven charting application, and the DECwrite Equation Editor.

1.1 Online Help

DECwrite features help on all menu items, and context-sensitive help on many functions. The help provides detailed information about how to use DECwrite features and allows users to become proficient in creating DECwrite documents.

1.2 The DECwrite Editor

DECwrite includes a full word processing editor with functions such as select, cut, copy, paste, undo, redo, and navigation. DECwrite features sophisticated search and replace capabililites, including the ability to search for returns, special characters, and arbitrary white space. Advanced editing features such as redlining and change bars make DECwrite an appropriate application for documentation and publication groups.

DECwrite also provides emulators for the more popular text editors. Among them are the Digital WPS-PLUS, EDT, and EVE editors, as well as Emacs, Microsoft Word, and WordPerfect.

DECwrite includes Houghton Mifflin's high-quality hyphenation routines and an American English spell check lexicon based on the American Heritage Dictionary (U.S. version only). DECwrite allows the user to create exception dictionaries for words that would not commonly appear in a standard dictionary. Exception dictionaries can be shared within a DECwrite workgroup.

Hyphenation can be controlled locally with discretionary hyphens. See Section 1.3 for a list of the optional lexicons.

DECwrite supports multiple language hyphenation,which allows you to switch from one language to another within a document.

1.3 DECwrite Optional Lexicons

The optional lexicons allow DECwrite to use spell checking in multiple languages. The optional supported DECwrite lexicons are:

- American Business
- American Medical
- Dutch
- English (American and British)
- French
- German
- Norwegian
- Spanish
- Swedish

2 Preparing for DECwrite Installation on a VMS System

This chapter describes tasks that you must perform when installing DECwrite, and suggests the best methods for preparing for installation.

Installing DECwrite is similar to installing other VMS layered products. You should:

1. Take an inventory of the software distribution kit.
2. Make sure that your system has the prerequisite software and hardware.
3. Register your DECwrite license according to the VMS License Registration section in this chapter.
4. Prepare your system and its users for installation.
5. Print and read the Release Notes.
6. Perform the installation procedure and any necessary postinstallation procedures.
7. Resume normal operations after you complete the installation.

You should allow approximately 50 minutes for the installation and 6 minutes to run the IVP.

2.1 DECwrite Distribution Kit

Each DECwrite distribution kit contains:

- A bill of materials (BOM) and indented bills report (BIL)
- The distribution medium for the DECwrite software

- Documentation for the product

  Media Only kits include the installation guide only.
- The Product Authorization Key (PAK)

To ensure that you have a complete kit, check the kit contents against the bill of materials and the indented bills report.

Check also that you received the correct distribution medium, labeled as DECwrite V1.1.

If your kit is damaged or if you find that parts of it are missing, contact your Digital representative.

2.2 Prerequisite Software

To install DECwrite you must have:

- A valid VMS operating system configuration running VMS Version 5.3-1 or higher, having the VMS Required saveset
- DECwindows installed

  To execute the IVP during the installation, DECwindows should also be running.

Since DECwrite is a DECwindows application, it can run in either of the following ways:

- Standalone execution — running the DECwindows X11 display server and the client application (DECwrite) on the same machine
- Remote execution — running the DECwindows X11 display server and the client application (DECwrite) on different machines

  This requires that a valid DECwindows transport mechanism also be installed. For example, these include DECnet, TCP/IP, and LAT.

For standalone execution, the following DECwindows components must be installed on the machine:

- VMS DECwindows Compute Server (base kit, which includes runtime support)
- VMS DECwindows Device Support

  For remote execution in a noncluster VAX environment, the following DECwindows components must be installed.

On the workstation:

- VMS DECwindows Compute Server (base kit, which includes runtime support)
- VMS DECwindows Device Support

On the remote machine:

- VMS DECwindows Compute Server (base kit, which includes runtime support)
- VMS DECwindows Device Support (optional)

Refer to the VMS Version 5.3-1 Installation Guide for details.

2.3 Prerequisite Hardware

DECwrite supports all hardware configurations supported by a VMS Version 5.3-1 system running DECwindows, with a minimum of 8 MB of memory. See the DECwrite Software Product Description (SPD) for details on supported hardware configurations.

2.4 Privileged Account

To install DECwrite, you must be logged into the system manager's account (SYSTEM), an account that has SETPRV, or an account with at least the following privileges:

- CMKRNL
- WORLD
- SYSPRV

Note that the VMSINSTAL procedure turns off BYPASS privilege at the start of the installation.

2.5 License Registration

The DECwrite PAK should be registered and loaded before you install or use DECwrite. The information you need is in the Product Authorization Key (PAK) shipped with DECwrite. The PAK is a paper certificate that contains data about your license.

If you do not register and load the license before installing DECwrite, the installation will complete but the Installation Verification Procedure (IVP) will not be run. You can execute the IVP manually after the installation, following the instructions in Chapter 3.

To register the license, first log in to a privileged account such as the system manager's account, SYSTEM. Then choose one of the following procedures to perform the registration. The second method is faster for experienced users.

- Invoke the SYS$UPDATE:VMSLICENSE.COM procedure. When prompted for information, respond with data from your Product Authorization Key (PAK).

  OR

- Issue the DCL commands LICENSE REGISTER and LICENSE LOAD with the appropriate qualifiers that correspond to information on the PAK.

For additional information, see the License Management Facility section in your VMS Version 5.3-1 documentation set.

2.6 International Lexicons

If you have previously installed any of the International Lexicon kits or are reinstalling DECwrite, make sure you have executed the SYS$STARTUP:LCI$STARTUP.COM procedure before starting the installation. This startup procedure defines the logical LCI$LEXICONS that the installation procedure checks to place lexicon files in their proper directories.

2.7 VAXcluster Considerations

You can install DECwrite on a VAXcluster.

In a VAXcluster with a common system disk, you can execute the installation procedure on a single member of the cluster. After the installation is completed, each VAX processor can share the same DECwrite software.

You must check the number of global sections and global pages on each node in the VAXcluster where you plan to install DECwrite. Instructions are in the next section.

See Chapter 4 for details about VAXcluster postinstallation instructions.

2.8 System Quotas

You use the VMSINSTAL command procedure to install DECwrite. For VMSINSTAL to run properly, there must be sufficient disk storage space and proper system parameter settings to accommodate the installation. This section describes the recommended disk space and system parameters.

2.8.1 Disk Space Requirements

Installing DECwrite requires a certain amount of disk storage space. Once the installation is complete, less storage space is required. Table 2–1 summarizes the storage requirements.

The VMSINSTAL command now has an Alternate Working Directory (AWD) option. This allows you to designate a directory other than your working directory for VMSINSTAL to use during the installation. This option is useful if there is little free space on the system disk.

Note *The values in Table 2–1 apply only to the U.S. language variant. See the cover letter in your kit for the values for all other language variants.*

Table 2–1 Free Disk Blocks Required to Install DECwrite

Installation	System Disk[1]	AWD Device[1]	Total[1]
Complete	30,100[2]	30,100[2]	28,000[2]
Font Only	1,100[2]	1,100[2]	1,043[2]

[1] Working directory.

[2] These values are approximate, but are the maximum that the installation will require. The installation procedure reports the actual number of blocks required, which will be slightly less than these values, and may differ from the sample installation in Chapter 3.

Use the DCL command SHOW DEVICE to determine the number of free blocks that are presently available on the system disk:

```
$  SHOW DEVICE SYS$SYSDEVICE
```

If the disk does not have enough free blocks, delete unnecessary files to provide space.

2.8.2 System Parameter Values

Digital recommends that the system parameter WSMAX be set to at least 4,100. On a single-user workstation, it can be set even higher, depending on the amount of workstation memory.

The DECwrite executable images and the shared libraries can be installed using the INSTALL utility. Table 2–2 lists the minimum required system parameter values.

Table 2–2 Minimum Required Global Pages and Sections

System Parameter	Minimum Value
GBLPAGES	2,686
GBLSECTIONS	9

If GBLPAGES or GBLSECTIONS are below the recommended values, VMSINSTAL displays a message. Since installing the DECwrite images and shared libraries is optional, you can safely continue the installation. Make sure to adjust these system parameters before modifying WRITE$STARTUP.COM. See Chapter 4 for details.

2.8.2.1 Checking Parameter Values To check the value of one or more parameters, enter the following command at the DCL prompt:

```
$  RUN SYS$SYSTEM:SYSGEN
SYSGEN>
```

At the SYSGEN> prompt, use the SHOW command to display the value of each system parameter.

After you finish checking parameter values, use the EXIT command to return to DCL level.

2.8.2.2 Calculating GBLPAGES and GBLSECTIONS Parameter Values The values for GBLPAGES and GBLSECTIONS in Table 2–2 indicate that you must have at least 2,686 unused global pages and 9 unused global sections available for the installation.

To calculate the number of unused global pages and global sections in your system:

1 Use the DCL F$GETSYI lexical function to determine the number of free global pages and global sections:

   ```
   $  WRITE SYS$OUTPUT F$GETSYI("FREE_GBLPAGES")
   $  WRITE SYS$OUTPUT F$GETSYI("FREE_GBLSECTS")
   ```

2 If the number of unused global pages is less than the number specified in Table 2–2, you must increase the value using the AUTOGEN command procedure (instructions follow).

The next section describes the procedures for changing these values. For more information, refer to the VMS system management documentation.

2.8.2.3 Changing Parameter Values with AUTOGEN

You use the AUTOGEN command procedure to change system parameters. AUTOGEN automatically adjusts values for parameters that need to be changed.

To change system parameters with AUTOGEN:

1. Edit the SYS$SYSTEM:MODPARAMS.DAT file.

   For example, to increase the setting for the GBLPAGES system parameter by 2,000, add this line to the file:

   ```
   ADD_GBLPAGES = 2000
   ```

2. Enter the following command to recalculate your system parameters:

   ```
   $  @SYS$UPDATE:AUTOGEN GETDATA REBOOT
   ```

   AUTOGEN performs an automatic system shutdown and reboots when it has finished. Rebooting your system makes the new parameter values active.

For more information about using AUTOGEN, see the instructions on modifying system parameters in the VMS system management documentation.

2.9 System Disk Backup

Make a backup copy of your system disk before you install DECwrite.

For more information about backing up your system disk, refer to the VMS system management documentation.

3 Installing DECwrite

This chapter describes how to run the DECwrite installation procedure. You should allow approximately 56 minutes to complete the entire installation. Before you start installing DECwrite, make sure that your system meets the requirements outlined in Chapter 2.

This version of DECwrite supports language switching. You can install multiple DECwrite language variants on a single system. You choose which language variant to use by selecting the language from the Session Manager Language dialog box. See the *DECwrite Documentation Supplement* for additional information. DECwrite installs the language files in language-specific subdirectories. See Appendix B for a complete listing of these files and directories.

Appendix A contains a printout of a typical installation procedure for your reference. Appendix B contains a list of all the files a DECwrite installation installs or modifies.

You can install the entire DECwrite kit or just the video fonts required for the DECwrite Equation Editor. If you are installing DECwrite in a VAXcluster that includes workstations, you should install the entire kit. Standalone workstations that always run DECwrite from a remote system require only that the video fonts be installed locally. This allows the workstation to run the DECwrite Equation Editor from the remote system.

Similarly, if a standalone workstation user not running DECwrite wants to use either DECwindows Mail or the DDIF viewer to view documents containing equations, then the DECwrite Equation Editor fonts need to be installed on that workstation.

3.1 VMSINSTAL Requirements

When you invoke the DCL command VMSINSTAL, it checks:

- Whether you are logged in to a privileged account
- Whether you have adequate quotas for installation
- Whether DECnet is up and running
- Whether any users are logged in to the system

If VMSINSTAL detects a problem during the installation procedure, it notifies you and asks if you want to continue. To stop the installation and correct the problem, enter NO or press the Return key. After you have made the correction, you can restart the installation.

To cancel the installation procedure at any time, press Ctrl/Y. The installation procedure deletes all files it has created up to that point and exits. You can then restart the installation.

Digital recommends that you refer to the section on the VMSINSTAL command procedure in your VMS documentation set. In the VMS base documentation set, see the *VMS System Manager's Manual*. In the VMS full documentation set, see the *Guide to Setting Up a VMS System*.

3.2 VMSINSTAL Procedure

You must use the VMSINSTAL command procedure to install DECwrite. Follow these steps to begin the installation:

1. Log in to a privileged account such as the VMS system manager's account, SYSTEM.
2. Send a message requesting that all users log out.
3. Enter the following command line to run VMSINSTAL:

```
$  @SYS$UPDATE:VMSINSTAL kit-name device-name OPTIONS N
```

where device-name is the device specification for the distribution medium, for example, MUA0: and where kit-name is the language variant DECwrite kit. See Table 3–1 for a list of the languages and their DECwrite kit names.

Table 3–1 DECwrite Kit Names

Language Variant	Kit Name
American English	DECWRITE
Dutch	DECWRITENE
Finnish	DECWRITESU
French	DECWRITEFR
Belgian French	DECWRITEFR
Swiss French	DECWRITEFR
German	DECWRITEDE
Swiss German	DECWRITEDE
Italian	DECWRITEIT
Swiss Italian	DECWRITEIT
Norwegian	DECWRITENO
Spanish	DECWRITEES
Swedish	DECWRITESV
UK English	DECWRITEGB

Specifying OPTIONS N indicates that you want to be prompted to display or print the Release Notes.

Specifying OPTIONS AWD=*device:directory* allows you to specify an alternate device that VMSINSTAL will use as the temporary working directory. Specifying this option will create the temporary working directory on the specified device under [000000.DECWRITE011].

Note *If there is an existing directory of DECWRITE011 under the directory specified or [000000], VMSINSTAL will delete it before restoring the first saveset.*

If you do not specify the AWD option, the installation creates the temporary working directory on the system disk by default.

VMSINSTAL has several other options, described in the VMS software installation documentation.

A message similar to the following appears on your screen:

```
        VAX/VMS Software Product Installation Procedure V5.3

It is 1-JUL-1990 at 15:22.

Enter a question mark (?) at any time for help.
```

```
Your DECnet network is up and running.
The following processes are still active:
  L
  M
  N
  O
  P
* Do you want to continue anyway [NO]?
```

DECwindows requires that DECnet be up and running.

4 Enter YES and press Return to continue the installation.

You are asked whether you need to back up your system disk:

```
* Are you satisfied with the backup of your system disk [YES]?
```

Generally, you should back up your system disk before any major software installation, as you were instructed in Chapter 2. YES is the default answer. If you backed up your system disk recently, press the Return key to continue.

Next, you receive instructions to mount the distribution medium you specified when you invoked VMSINSTAL (in this example, MUA0:). If you did not specify where you would mount the distribution volumes, DECwrite prompts you to identify where you have mounted them.

```
Please mount the first volume of the set on MUA0:.
* Are you ready?
```

5 Mount the medium, then enter YES and press Return to indicate that you are ready to continue.

The following messages appear on your screen:

```
The following products will be processed:

  DECWRITE V1.1

        Beginning installation of DECWRITE V1.1 at 15:22

%VMSINSTAL-I-RESTORE, Restoring product saveset A ...
```

If you selected OPTIONS N when you first invoked the VMSINSTAL procedure, a menu asks you how you want to handle the Release Notes:

```
Release Notes Options:

        1.  Display release notes
        2.  Print release notes
        3.  Both 1 and 2
        4.  Copy release notes to SYS$HELP
        5.  Do not display, print or copy release notes

* Select option [2]:
```

You should review the Release Notes in case they contain any information about changes in the installation procedures. Choosing option 3 displays the Release Notes and prints a copy.

If you do choose an option that prints the Release Notes, you are prompted for a print queue:

```
* Queue name [SYS$PRINT]:
```

6 Press Return to print the Release Notes on SYS$PRINT, or type a different queue name and press Return.

The screen displays a message similar to the following:

```
Job 810 (queue SYS$PRINT, entry 1295) started on SYS$PRINT
```

You are asked whether you want to continue with the installation:

```
* Do you want to continue the installation?
```

7 Enter YES to continue, otherwise press Return.

In either case, the Release Notes are copied to a file in the SYS$HELP directory and you receive a message similar to the following:

```
%VMSINSTAL-I-RELMOVED, The product's release notes have been
successfully moved to SYS$HELP.
```

The Release Notes are contained in SYS$HELP: and have the name *KITNAME*011.RELEASE_NOTES where *KITNAME* is the DECwrite kit name from Table 3–1.

Note that the name of the Release Notes file includes the product name and version number.

Do not delete Release Notes for previous versions of DECwrite.

The screen displays the following messages:

```
                DECwrite V1.1 Installation Procedure

    Programs and databases for the Usage Alert, Electronic
    Thesaurus licensed from Houghton Mifflin. Copyright (c) 1985,
    1987 by Houghton Mifflin Company.  International CorrectSpell
    (c) 1987, 1988 by Houghton Mifflin.  All rights reserved.  US
    Pat. Nos. 4,508,241, 4,730,269, and 4,771,041.  Canadian Pat.
    No. 1,203,916.  Thesaurus U.S. Pat. No. 4,724,523.

    Portions licensed to Digital Equipment Corporation, Maynard,
    Massachusetts Copyright (c) Frame Technology Corporation 1989.
    All rights reserved.

%VMSINSTAL-I-RESTORE, Restoring product saveset B ...

     You can install the DECwrite kit completely or just the video
     fonts required to use the DECwrite Equation Editor.

     If you are installing this kit for use on a workstation, or on a
     VAXcluster that includes workstations, then you should install
     the entire kit. This requires 30,018 blocks.

     If you are installing this kit on a workstation that will only run
     DECwrite from a remote system, then only the video font files are
     needed. This requires 1,043 blocks.
```

If you are installing DECwrite in a VAXcluster that includes workstations, you should install the entire kit. Standalone workstations that always run DECwrite from a remote system require only that the video fonts be installed locally. This allows the workstation to run the DECwrite Equation Editor from the remote system.

You receive information about the number of blocks required to install the entire kit or only the video font files. You are then asked if you want to install the entire kit:

```
* Do you want to install the entire kit [YES]?
```

8 Press Return.

```
    Installing entire DECwrite kit....
```

The installation provides a clip art library of images. You can install it in sys$sysdevice:[clipart] by default, or you can install it in another location. DECwrite asks you to identify a directory other than the default directory where you want to place the clip art files.

```
     This kit contains an optional library of Encapsulated
     PostScript pictures, DDIF pictures, and DDIF images.
     Their total size is 5,460 blocks.

* Do you want to install the clip art library [YES]?
```

If you entered a ? at the prompt the screen displays the following:

```
     The optional clip art library is used with DECwrite's Link to Picture
     and Link to Image functions.  A small set of clip art is also
     provided by default in the write$examples: directory. You may choose
     to install the clip art library on a disk other than the system disk.

* Do you want to install the clip art library [YES]?
```

9 Press Return.

```
Specify a device and directory on which to install the clip art library

* Device and directory[sys$sysdevice:[clipart]]:
```

10 Press Return to accept the default directory or enter the name of another directory where you want to place the files. For example:

```
  You have chosen the device and directory USER:[SMITH.CLIPART]

* Is this correct [YES]?
```

11 Press Return.

The installation also reinstalls the DECwrite style files. The installation prompts you to make backup copies if you have modified the original style files in cda$library:.

```
*************************************************************

Note: This installation will replace the DECwrite supplied
style files in CDA$LIBRARY. If you have made modifications to
these files, make backup copies before continuing. For
example:

 $ backup/log cda$library:wr_*.doc_style style_files.bck/sav

*************************************************************

* Do you want to continue [YES]?
```

12 Press Return if you have made the backup files or if you do not need to preserve them.

```
This kit requires DECchart V1.1 or later.
```

If your system does not have DECchart installed the screen displays the following message:

```
*************************************************************

DECchart V1.1 will be installed since it does
not exist on your system.

*************************************************************
```

If your system does have DECchart Version 1.1 installed, the screen displays the following message:

```
*************************************************************

DECchart V1.1 already exists on your system.
You may choose to reinstall DECchart V1.1 or
use the currently installed version.

*************************************************************

* Do you want to reinstall DECchart [NO]?
```

You should reinstall DECchart if you are installing this kit on a system running multiple language versions of DECwrite. For example, if the French version of DECwrite is currently installed and you are installing the German version, then reinstall DECchart.

13 Enter YES and press Return. The screen displays:

```
This kit requires the DECwrite Equation Editor V1.1 or later.
```

If your system does not have the DECwrite Equation Editor V1.1 or later installed, the screen displays the following message.

```
The DECwrite Equation Editor V1.1 will be installed
since it does not exist on your system.
```

If your system does have the DECwrite Equation Editor V1.1 or later installed, the screen displays the following message.

```
*************************************************************

The DECwrite Equation Editor V1.1 already exists on your
system. You may choose to reinstall the Equation Editor
or use the currently installed version.

*************************************************************
* Do you want to reinstall the Equation Editor [NO]?
```

You should reinstall the DECwrite Equation Editor if you are installing this kit on a system running multiple language versions of DECwrite. For example, if the French version of DECwrite is currently installed and you are installing the German version, then reinstall the Equation Editor.

14 Enter YES and press Return. The screen displays:

```
* Specify a device on which to install the spell check lexicons [SYS$SYSDEVICE:]:
  You have chosen the device SYS$SYSDEVICE:

* Is this correct [YES]?
```

15 Press Return. The screen then displays:

```
Product:      DECWRITE-USER
Producer:     DEC
Version:      1.1
Release Date: 4-SEP-1990

* Does this product have an authorization key registered and loaded?
```

Note that other language variants have different PAKs.

16 If your authorization key is registered and loaded, enter YES and press Return.

If you answer NO, the screen displays the following messages:

```
%VMSINSTAL-W-NOIVP, The IVP will not be run since the DECwrite license
-VMSINSTAL-W-NOIVP, is not installed.

     You must register and load the license in order to use DECwrite.
     It is recommended that the IVP be executed after the DECwrite
     license has been installed.

     The IVP consists of several separate command procedures.
     Execute them as follows:

          @sys$test:write$ivp           ! DECwrite
          @sys$test:chart$ivp           ! DECchart
          @sys$test:lae$ivp             ! American-English lexicon

     Installation continuing...
```

The installation continues by displaying the following message:

```
     Checking/registering INTL-LEXICON-AMERICAN Product Authorization Key...

* Do you want to run the IVP after the installation [YES]?
```

When you invoke the IVP during the DECwrite installation procedure, the IVP runs DECwrite. To do this, it requires that DECwindows be running and that a workstation display device be defined. If one is not defined, you are prompted for the name of a workstation on which to display the IVP, as follows:

```
%VMSINSTAL-W-NODISPLAY, Workstation display not defined

Enter the node name of the workstation on which to display the IVP
or press Return to continue and not run the IVP

* Node name:
```

17 If you are installing DECwrite on your own workstation, enter the name of the workstation.

This node name is used to issue a SET DISPLAY command to the appropriate workstation. Note that this requires the Session Manager's security database be set up properly and that nodes are defined properly in the network databases. For example, if you are installing DECwrite on your own workstation and you have SET HOST 0 from your own account to use the SYSTEM account, then you must add 0::SYSTEM to the security database. See the *DECwindows User's Guide* for details on the Session Manager's security database.

If you are NOT installing DECwrite from a workstation, then do not run the IVP. Instead, use a workstation to run the IVP after the installation is completed.

If you are installing DECwrite from a workstation, but one that is NOT running DECnet, then do not run the IVP during the installation. Instead, execute the IVP from DCL after the installation is completed, making sure that a display device is defined using the local transport (see the SET DISPLAY DCL command).

```
     The language in the Language dialog box on the Session
     Manager's Customization menu must be set to English
     in order to run the IVP. Ensure the language is set accordingly
     before continuing.

* Press Return when ready to continue:
```

The script will reflect the name of the language variant that you are installing.

18 When you install DECwrite, set the language you will use in the Session Manager, otherwise the IVP will fail.

Note *The Session Manager's language setting should match the language of the DECwrite language variant you are installing.*

To set the language, choose Language from the Session Manager Customize menu and choose the appropriate language from the Language dialog box.

You are asked whether you want to purge (delete) old versions of files replaced by this installation:

```
* Do you want to purge files replaced by this installation [YES]?
```

Purging is recommended.

19 Press Return to purge old versions of the files. To save old files, or if you are installing DECwrite for the first time, enter NO and press Return.

20 The screen displays the following messages:

```
    To complete the installation on a standalone VAX 11/780
    will take approximately:

        50 minutes to install
        6 minutes to run the IVP

    All required questions have been asked.
    You can terminate the installation procedure at this time.


* Do you want to continue the installation [YES]?
```

21 Press Return to continue the installation.

The screen displays the following messages:

```
%VMSINSTAL-I-RESTORE, Restoring product save set C ...
%VMSINSTAL-I-RESTORE, Restoring product save set D ...
%VMSINSTAL-I-RESTORE, Restoring product save set E ...
%VMSINSTAL-I-RESTORE, Restoring product save set F ...
```

If you are installing or reinstalling DECchart the screen also displays the following messages:

```
%VMSINSTAL-I-RESTORE, Restoring product save set G ...
%VMSINSTAL-I-RESTORE, Restoring product save set H ...
```

The installation then continues the installation procedure by displaying:

```
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE].

    The on-line demonstration document, WRITEDEMO.DOC and the
    documents used in the Getting Started exercises are in:

              VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE]
```

```
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE.EQUATION_FONT_BDF].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE.EQUATION_FONT_BDF.75DPI].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE.EQUATION_FONT_BDF.100DPI].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSTEST.DECWRITE].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[LCI.LEXICONS].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.EPS].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.ARROWS].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.BUILDING].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.COMMUNIC].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.ENERGY].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.SPORTS].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.FIGURES].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.FINANCE].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.GOVERNMNT].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.SCIENCE].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSTEST.CHART$IVP].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECCHART].
%VMSINSTAL-I-RESTORE, Restoring product save set I ...
%VMSINSTAL-I-RESTORE, Restoring product save set J ...

     The following command must be added to the system startup
     command file SYS$MANAGER:SYSTARTUP_V5.COM for all nodes that will
     be running DECwrite:

        @sys$startup:write$startup
        @sys$startup:lci$startup.com   ! American-English lexicon

    If you are installing this kit on a workstation, you should
    restart DECwindows after the installation has completed:

          @sys$startup:decw$startup restart

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...
```

The installation then executes the IVP if you answered yes, as follows:

```
%VMSINSTAL-I-RUNIVP, Executing installation verification procedure(s)

Executing IVP for: DECwrite V1.1

    The IVP edits a sample document. If the document looks the same as
    the illustration in the installation guide, then the installation
    has been successful. After the document window appears, click the
    mouse in the window to assign input focus, and enter Alt-Q (hold
    down the Compose Character or "Alt" key and press Q) to quit
    DECwrite and the DECwrite portion of the IVP.

     Starting DECwrite....
```

22 Follow the instructions in the message. The document displayed on the screen should look like Figure 3–1.

The screen displays the following messages:

```
        *************************************

        DECwrite V1.1

        IVP COMPLETED SUCCESSFULLY

        *************************************

IVP completed for: DECwrite V1.1

Executing IVP for:  International Lexicon/American for VMS V1.0

        ********************************************

        International Lexicon/American for VMS V1.0

        IVP COMPLETED SUCCESSFULLY

        *********************************************

IVP completed for:  International Lexicon/American for VMS V1.0
Executing IVP for:  DECchart

        *************************************
        DECchart V1.1
        IVP COMPLETED SUCCESSFULLY
        *************************************
IVP completed for: DECchart V1.1
        Installation of DECWRITE V1.1 completed at 15:47

Enter the products to be processed from the next distribution volume set.
* Products: ^Z

        VMSINSTAL procedure done at 15:48
```

Note *VMSINSTAL will execute all of the DECwrite component IVP procedures (DECwrite itself, DECchart, International Lexicon/American English) and exit successfully. Any errors will be reported by the individual IVP.*

Figure 3–1 Successful Installation Display

Welcome

Welcome to the
DECwrite Installation Verification Procedure!

Helvetica

Times

24 point

10 point

superscript A

A subscript

underline

~~redline~~

change bar |

bold

italic

double underline

DECwrite™ is a compound document processing application that allows users to create and format documents which contain text, graphics, images, and data from a variety of applications.

DECwrite runs under the DECwindows Desktop Environment and utilizes a graphical WYSIWYG (What-You-See-Is-What-You-Get) interface. The WYSIWYG interface displays the document on the screen as it will be printed. This maximizes ease of use.

DECwrite adheres to the DECwindows Style Guide and therefore has the same look and feel as other DECwindows applications.

The DECwrite portion of the IVP has completed successfully if this document looks the same as the picture in the installation guide.

Quit whenever you are ready by choosing the *Quit* item from the File menu, or typing Alt/Q (hold down the Compose Character or "Alt" key and press Q)

The installation is complete. Refer to the postinstallation procedures in Chapter 4.

4

DECwrite Postinstallation Procedures

This chapter describes tasks you must complete after you install DECwrite.

4.1 Editing Startup Files

You must edit the system startup file SYSTARTUP_V5.COM and, optionally, WRITE$STARTUP.COM before using DECwrite.

4.1.1 Editing SYSTARTUP_V5.COM

Add the following lines to SYS$MANAGER:SYSTARTUP_V5.COM:

```
$ @SYS$STARTUP:WRITE$STARTUP.COM        ! DECwrite
$ @SYS$STARTUP:LCI$STARTUP.COM          ! International Lexicons
```

Note *If an international lexicon has previously been installed, LCI$STARTUP.COM should be in SYS$MANAGER:SYSTARTUP_V5.COM.*

If you install a DECwrite language variant, make sure that you use the proper parameter with WRITE$STARTUP.COM. Also, add DECW$STARTI18N.COM to SYS$STARTUP.COM. For example:

```
$ @SYS$STARTUP:WRITE$STARTUP "parameter"
$ @SYS$MANAGER:DECWSTARTI18N "parameter"
```

where the *parameter* identifies the DECwrite language variant you are installing. See Table 4–1 for a list of these language parameters.

Note *The line for the language variants must come after the line that starts the network.*

For example, in SYS$MANAGER:SYSTARTUP_V5.COM, you might see:

```
$ @SYS$MANAGER:STARTNET.COM
         .
         .
         .
$ @SYS$MANAGER:DECW$STARTI18N.COM "parameter"
```

where the *parameter* identifies the DECwrite language variant you are installing. See Table 4–1 for a list of these language parameters.

Table 4–1 Language Parameters

Language	Parameter
American English	none required
Belgian French	FR_BE
Dutch	NL_NL
French	FR_FR
French Canadian	FR_CA
German	DE_DE
Italian	IT_IT
Norwegian	NO_NO
Spanish	ES_ES
Swedish	SV_SE
Swiss French	FR_CH
Swiss German	DE_CH
Swiss Italian	IT_CH
UK English	EN_GB

You can start multiple languages on the same line in SYSTARTUP_V5.COM by separating the parameters by commas. For example, the following command would start Dutch, French, and German:

```
$ @SYS$STARTUP:WRITE$STARTUP "NL_NL,FR_FR,DE_DE"
$ @SYS$STARTUP:DECW$STARTI18N "NL_NL,FR_FR,DE_DE"
```

4.1.2 Editing WRITE$STARTUP.COM

WRITE$STARTUP defines the logical WRITE$EXAMPLES to point to the DECwrite examples directory, SYS$COMMON:[SYSHELP.EXAMPLES.DECWRITE].

When installing a DECwrite language variant, the installation places the DECwrite examples in a language specific subdirectory. This subdirectory is SYS$COMMON:[SYSHELP.EXAMPLES.*XX_YY*.DECWRITE], where *XX_YY* is the language parameter. See Table 4–1 for a list of the language parameters. Uncomment the appropriate lines in WRITE$STARTUP that define WRITE$EXAMPLES.

WRITE$STARTUP defines the logical WRITE$CLIPART to point to the DECwrite clip art directory. The default at installation time is SYS$SYSDEVICE:[CLIPART]. See Appendix B for a complete listing of the DECwrite demonstration and clip art files. If you installed the clip art in a directory different from the default directory, then redefine the logical to point to that clip art directory. For example:

```
$ DEFINE/SYSTEM/EXE WRITE$CLIPART:USER:[SMITH.CLIPART.]/TRANS=CONCEALED
```

By default, all the INSTALL commands in WRITE$STARTUP.COM are commented out. You can optionally remove the comments for the images and shared libraries you want to install. This improves system performance on systems where multiple users are running DECwrite concurrently.

Make sure you have completed the steps in Section 2.8 before executing WRITE$STARTUP.COM on a standalone system or on other nodes in a VAXcluster.

4.2 Installing DECwrite on a Standalone System

If you have installed DECwrite on a standalone workstation, you must restart the DECwindows server so that it can use the new fonts required by the DECwrite Equation Editor. Enter `@SYS$STARTUP:DECW$STARTUP RESTART` to restart the server.

Note *This will log you out of your workstation session.*

4.3 Installing DECwrite on a VAXcluster

To install DECwrite on a cluster with a common system disk, make sure you load the DECwrite license and the American English lexicon license on each node in the cluster.

To load the licenses, enter the following commands:

```
$mc sysman
SYSMAN> set environment/cluster/user=system
Remote Password: <system password for the cluster nodes>
SYSMAN> do license load LICENSE NAME
```

Where *LICENSE NAME* is the language variant kit name.

```
SYSMAN> do license load intl-lexicon
```

Where *intl-lexicon* is the name of the spell lexicon. Table 4–2 lists the available lexicons.

Table 4–2 International Spell Lexicons

Name	Description
INTL-LEXICON-AM-BUS	American Business
INTL-LEXICON-AM-MED	American Medical
INTL-LEXICON-AMERICAN	American English
INTL-LEXICON-BRITISH-ENG	British English
INTL-LEXICON-DEUTSCH	German
INTL-LEXICON-ESPAÑOL	Spanish
INTL-LEXICON-FRANCAIS	French
INTL-LEXICON-NEDERLANDS	Dutch
INTL-LEXICON-SVENSKA	Swedish

```
SYSMAN> do @sys$startup:lci$startup
SYSMAN> do @sys$startup:write$startup PARAMETER
SYSMAN> do @sys$startup:decw$startup restart ! If there are
no active users. Only required for workstations
SYSMAN> do @sys$manager:decwstarti18n PARAMETER
!DECwrite language variants
```

Where *PARAMETER* is the name of the language parameter from Table 4–1.

```
SYSMAN> exit
```

4.4 Rebooting the System

You can reboot your system after you have installed DECwrite and reset the system parameters (if necessary). A system reboot verifies that DECwrite is ready for use and establishes any new parameter settings. Note, however, that rebooting is optional.

4.5 User Account Requirements

To use DECwrite, user accounts on your system must have certain privileges and quotas. The next two sections contain information about these requirements.

4.5.1 Privileges

To use DECwrite, each account must have at least the TMPMBX and NETMBX privileges. Use the VMS Authorize Utility to determine whether users have the privileges they require.

4.5.2 User Account Quotas

You must make sure that the appropriate user accounts have sufficient quotas to be able to use DECwrite. Table 4–3 summarizes minimum recommended process quotas.

Table 4–3 User Account Quotas

Account Quota	Value
ASTLM	100
BIOLM	40
DIOLM	40
FILLM	40
TQELM	20
ENQLM	110
WSDEF	256
WSQUOTA	512
WSEXTENT	4,100[1]

[1]On a single-user workstation, the value of the system parameter WSEXTENT can be set equal to the value of WSMAX for better performance.

User account quotas are stored in the file SYSUAF.DAT. Use the Authorize Utility to verify and change user account quotas. First set your directory to SYS$SYSTEM and then run AUTHORIZE:

```
$  SET DEFAULT SYS$SYSTEM
$  RUN AUTHORIZE
UAF>
```

At the AUTHORIZE prompt (UAF>), use the SHOW command with an account name to check a particular account. For example:

```
UAF> SHOW SMITH
```

To change a quota, use the MODIFY command at the UAF> prompt. MODIFY has the following format:

```
MODIFY account-name /quota-name=nnnn
```

The following example changes the FILLM quota for the SMITH account and then exits from the utility:

```
UAF> MODIFY SMITH /FILLM=40
UAF> EXIT
```

After you exit from the utility, the VMS system displays messages indicating whether or not changes were made. Once you have finished making the changes, the users must log out and log in again for the new quotas to take effect.

For more information about modifying account quotas, see the description of the Authorize Utility in the VMS system management and operations documentation.

4.6 Tuning Your System

After you install DECwrite, you might want to adjust your system to enhance performance or lower the use of some system resources. Information about tuning your system is included in the *VMS System Management, Volume 4, Performance* manual.

4.7 Selecting a Language

You need to specify what language you will use when you run a DECwrite language variant. Select the language by choosing Language from the Customize menu in the Session Manager. See the *DECwrite Documentation Supplement* for details.

4.8 Installation Verification Procedures

The DECwrite Installation Verification Procedure runs automatically at the end of the DECwrite installation procedure if you enter YES to that option during the installation.

Note *Before you run the IVP for any language, you must first set the language you will use in the Language item of the Session Manager's Customize menu.*

If you did not enter YES, you may want to run the IVP later. If run later, the IVP needs three separate command procedures:

```
$  @SYS$TEST:WRITE$IVP.COM          ! DECwrite
$  @SYS$TEST:CHART$IVP.COM          ! DECchart
$  @SYS$TEST:LAE$IVP.COM            ! American-English lexicon
```

You receive a message indicating whether the IVP succeeded or failed.

4.9 Running DECwrite from FileView

As part of the installation, DECwrite is added to the FileView Applications menu. You should inform all users after the installation that DECwrite is now available as an option on their FileView Applications menu.

If you install a language variant of DECwrite on a system where the same language variant of FileView exists, DECwrite is added to the FileView Applications menu.

For more information on FileView, refer to the *DECwindows User's Guide*.

4.10 Running DECwrite from DCL

To run DECwrite from the DCL command line, enter at the $ prompt:

```
run sys$system:decwrite
```

You can also add a line to your login.com file to define a symbol to run DECwrite. For example:

```
decwrite :== $ sys$system:decwrite
```

A user could, after logging out and then logging back in or running login.com, enter at the DCL $ prompt:

```
decwrite filename
```

This would invoke DECwrite and open the named document.

4.11 DECwrite Sample Document

During installation, DECwrite places sample files for each of its components in the following directories:

- WRITE$EXAMPLES or WRITE$EXAMPLES_XX_YY:

  where _XX_YY refers to any non-American English language parameter codes shown in Table 4–1.
- SYS$COMMON:[SYSHLP.EXAMPLES.DECCHART]

The DECWRITE directory contains:

- The documents used for the Getting Started exercises
- Several demonstration documents
- A sample equation for use with the DECwrite Equation Editor
- Several sample Encapsulated PostScript files for use with the DECwrite Link to Picture option

For instructions on using the DECwrite Getting Started exercises and the demonstration document, refer to the *DECwrite Getting Started* book and the *DECwrite User's Guide*.

The DECCHART directory contains a sample chart file used in the DECchart Getting Started exercises. For instructions on the DECchart Getting Started exercises, refer to the *DECchart Getting Started* book.

4.12 Determining and Reporting Problems

If you encounter a problem while using DECwrite, report it to Digital. Depending on the nature of the problem and the type of support you have, you can take one of the following actions:

- Call Digital if your software contract or warranty agreement entitles you to telephone support.
- Submit a Software Performance Report (SPR).
- Fill out and submit a Reader's Comments form if the problem has to do with the DECwrite documentation. There are Reader's Comments forms at the back of each manual. Use the form from the manual in which you found the error. Include the section and page number.

Review the Software Product Description (SPD) and Warranty Addendum for warranty information. If you encounter a problem during the warranty period, report the problem as indicated above or follow alternate instructions provided by Digital for reporting SPD nonconformance problems.

5

Using the DECwrite Font Utility

The DECwrite Font Utility is a program that allows users to add new fonts or delete exisiting fonts from the DECwrite font family menu. See Table 5–1 for the Font Utility's commands, formats, and descriptions.

If you include a font using the Font Utility that does not have an equivalent *weight* or *slant* in DECwrite, DECwrite maps the weight and slant of the imported font to a *weight* or *slant* that it does use.

5.1 Preparing to Run the Font Utility

To prepare to run the font utility you must first:

- Install all screen fonts in the SYS$COMMON:[SYSFONT.DECW.USER_75DPI] for 75 dpi font directories or SYS$COMMON:[SYSFONT.DECW.USER_100DPI] for 100 dpi font directories and make them known to the DECwindows server by restarting the server.
- Install all corresponding Adobe Font Metric (.AFM) and .PS outline files in the SYS$PS_FONT_METRICS: directory.
- Ensure that you have defined your display. (See Chapter 3.)

After adding new fonts to DECwrite, enter the following command.

```
SET FILE /PROTECTION=(W:RE) SYS$LIBRARY:WRITE$FONTS.INI
```

If you do not issue this command, DECwrite displays an error message saying that it cannot open WRITE$FONTS.INI and exits.

5.2 Starting the Font Utility

The font utility's initialization will require approximately 30-60 seconds. *Infilename* and *outfilename* refer to the DECwrite font initialization file.

At the $ prompt, enter:

```
write$fontutil infilename
```

or

```
write$fontutil infilename outfilename
```

The screen displays:

```
Font Utility V1.1
You may have to wait 30-60 seconds while this utility initializes...
Enter command>
```

5.3 Font Utility Commands and Descriptions

The DECwrite Font Utility allows users to manage additional fonts not shipped with DECwrite. Below are more details on each of the available commands.

Each of these commands uses two font lists. The *add* list contains font families that can be added to the DECwrite menu. The *menu* list contains font families that are already part of the DECwrite menu. Table 5–1 shows the Font Utility's commands, formats, and some explanation of them.

Table 5–1 DECwrite Font Utility Messages

Command	Format, Effects, and Descriptions
Add	Add *"fontname"* Displays one new font family if you specify a *fontname*, places it (*fontname*) on the menu list, and removes it from the add list. If you do not specify the fontname, the add command prompts you for it with the prompt *Family name:*. If you press the Return key without specifying a fontname, the add command changes nothing.

(continued on next page)

Table 5–1 (Cont.) DECwrite Font Utility Messages

Command	Format, Effects, and Descriptions
Hide	Hide "*fontname*" Hides the fontname from the menu list. Hidden or invisible fonts are available to existing DECwrite files read in, but are not visible on the DECwrite Font Family Menu. This feature is useful for hiding the DECmath fonts from the menu or for permitting a user to exclude a standard DECwrite font without deleting it. If you do not specify the fontname, the Hide command prompts for it with *Family name:*. If you press the Return key, the Hide command changes nothing.
Delete	Delete "*fontname*" Deletes the indicated fontname from the menu list, adding it to the add list. If you do not specify the fontname, the delete command prompts you for it with *Family name:*. If you press the Return key, the delete command changes nothing.

Exit	Exit *outfilename*
	
	Saves the changes made to the infilename to the outfilename. If you do not specify the outfilename on the command line, the exit command uses the following defaults:
	
	■ If you specify *outfilename* in the startup command line
	
	`$ write$fontutil infilename outfilename`
	
	or
	
	■ If you specify *infilename* in the startup command line
	
	`$ write$fontutil infilename`
	
	In either case, DECwrite verifies that you want to write to the indicated file. This is especially important if the infilename would be overwritten by the changes you have just made.

(continued on next page)

Table 5–1 (Cont.) DECwrite Font Utility Messages

Command	Format, Effects, and Descriptions
Quit	Quit Terminates session without saving changes. If you made changes to the *infilename*, the font utility prompts you to confirm that you want to quit without saving your changes. If you answer *yes*, the font utility's session terminates without saving any changes. If you answer *no*, the utility saves no changes and the font utility continues running. If you have made no changes to the *infilename*, the font utility session ends without confirmation.
Rename	Rename "*oldfontname*" "*newfontname*" Renames the indicated font family to a new font name. The font names are the same names displayed on the DECwrite Font Family Menu. Changing this name does not affect DECwrite internal font names that are used in looking up a font chosen during a DECwrite session. If you do not specify *oldfontname*, *newfontname*, or both names, the rename command asks for the omitted information with the prompts *From:* and *To:* for the *oldfontname* and *newfontname*, respectively. If you press the Return key at either of these prompts without entering a font name, DECwrite abandons the rename command.
Show	Show [Full] [Add|Menu] *"fontname"* Displays the indicated fonts and optionally their corresponding screen font names, .PS filenames, and .AFM filenames. If you do not specify a *fontname* or an option, the Show command defaults to Show Menu showing all entries in the menu list. ■ Add Displays all entries in the Add or displays if you specify a *fontname*. ■ Full Displays additional information consisting of screen font names, .PS filenames, and .AFM filenames. ■ Menu Displays all entries in the menu list or displays an entry if you specify a *fontname*.

(continued on next page)

Table 5–1 (Cont.) DECwrite Font Utility Messages

Command	Format, Effects, and Descriptions
Reveal	Reveal "*fontname*" Displays the indicated hidden *fontname* on the menu list. See the Hide command for details about hidden fonts. If you do not specify the fontname, the Reveal command prompts you for it with *Family name:*. If you press the Return key without specifying a *fontname*, the utility displays nothing.

A

Printouts from Sample DECwrite Installations

This appendix contains printouts of typical DECwrite installation procedures. These procedures show:

- A full DECwrite installation
- A font only installation

To perform a successful installation, you must:

1. Prepare your system by completing the procedure in Chapter 2.
2. Install DECwrite by completing the installation procedure described in Chapter 3.
3. Perform any needed postinstallation procedures described in Chapter 4.

A.1 Full DECwrite Installation

This sample installation printout shows the user responses and system messages when all the appropriate licenses have been installed.

```
$ @sys$update:vmsinstal decwrite011 mua0

VAX/VMS Software Product Installation Procedure V5.3

It is 19-JUL-1990 at 10:40.

Enter a question mark (?) at any time for help.
```

```
%VMSINSTAL-W-NOTSYSTEM, You are not logged in to the SYSTEM account.
%VMSINSTAL-W-ACTIVE, The following processes are still active:
        VWSLAT
        SMITH
        JONES
        DECterm 3-1
        Notes

* Do you want to continue anyway [NO]? yes
* Are you satisfied with the backup of your system disk [YES]?

The following products will be processed:
  DECWRITE V1.1
         Beginning installation of DECWRITEBL3 V1.1 at 10:41

%VMSINSTAL-I-RESTORE, Restoring product save set A ...
%VMSINSTAL-I-RELMOVED, The product's release notes have been successfully
moved to SYS$HELP.

                DECwrite V1.1 Installation Procedure


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    Pat. Nos. 4,508,241, 4,730,269, and 4,771,041.  Canadian Pat.
    No. 1,203,916.  Thesaurus U.S. Pat. No. 4,724,523.

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%VMSINSTAL-I-RESTORE, Restoring product save set B ...

     You can install the DECwrite kit completely or just the video
     fonts required to use the DECwrite Equation Editor.

     If you are installing this kit for use on a workstation, or on a
     VAXcluster that includes workstations, then you should install
     the entire kit. This requires 30,018 blocks.

     If you are installing this kit on a workstation that will only run
     DECwrite from a remote system, then only the video font files are
     needed. This requires 1,043 blocks.

* Do you want to install the entire kit [YES]?

     Installing entire DECwrite kit....

     This kit contains an optional library of Encapsulated
     PostScript pictures, DDIF pictures, and DDIF images.
     Their total size is 5,460 blocks.

* Do you want to install the clip art library [YES]? ?


     The optional clip art library is used with DECwrite's Link to Picture
     and Link to Image functions.  A small set of clip art is also
     provided by default in the write$examples: directory. You may choose
     to install the clip art library on a disk other than the system disk.

* Do you want to install the clip art library [YES]?

Specify a device and directory on which to install the clip art library
```

```
* Device and directory [sys$sysdevice:[clipart]]: user:[smith.clipart]
  You have chosen the device and directory user:[smith.clipart]

* Is this correct [YES]?

    **************************************************************

    Note: This installation will replace the DECwrite supplied
    style files in CDA$LIBRARY. If you have made modifications to
    these files, make backup copies before continuing. For
    example:

     $ backup/log cda$library:wr_*.doc_style style_files.bck/sav

    **************************************************************

* Do you want to continue [YES]?

    This kit requires DECchart V1.1 or later.

    **************************************************************

    DECchart V1.1 will be installed since it does
    not exist on your system.

    **************************************************************


     This kit requires the DECwrite Equation Editor V1.1 or later.

     The DECwrite Equation Editor V1.1 will be installed
     since it does not exist on your system.


     The DECwrite spell check lexicons will be installed in the directory
     SYS$SYSDEVICE:[LCI.LEXICONS] by default. You may optionally install the
     files on a device other than the system disk.

* Specify a device on which to install the spell check lexicons [SYS$SYSDEVICE:]:
  You have chosen the device SYS$SYSDEVICE:

* Is this correct [YES]?

                Product:      DECWRITE-USER
                Producer:     DEC
                Version:      1.1
                Release Date: 4-SEP-1990

* Does this product have an authorization key registered and loaded? y

     Checking/registering INTL-LEXICON-AMERICAN  Product Authorization Key...

* Do you want to run the IVP after the installation [YES]?

%VMSINSTAL-W-NODISPLAY, Workstation display not defined

Enter the node name of the workstation on which to display the IVP
or press Return to continue and not run the IVP

* Node name: mine

     The language in the Language dialog box on the Session
     Manager's Customization menu must be set to English
     in order to run the IVP. Ensure the language is set accordingly
     before continuing.

* Press Return when ready to continue:

* Do you want to purge files replaced by this installation [YES]?
```

```
    To complete the installation on a standalone VAX 11/780
    will take approximately:

        50 minutes to install
        6 minutes to run the IVP

    All required questions have been asked.
    You can terminate the installation procedure at this time.

* Do you want to continue the installation [YES]?
%VMSINSTAL-I-RESTORE, Restoring product save set C ...
%VMSINSTAL-I-RESTORE, Restoring product save set D ...
%VMSINSTAL-I-RESTORE, Restoring product save set E ...
%VMSINSTAL-I-RESTORE, Restoring product save set F ...
%VMSINSTAL-I-RESTORE, Restoring product save set G ...
%VMSINSTAL-I-RESTORE, Restoring product save set H ...
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE].

     The on-line demonstration document, WRITEDEMO.DOC and the
     documents used in the Getting Started exercises are in:

          VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE]

%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE.EQUATION_FONT_BDF].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE.EQUATION_FONT_BDF.75DPI].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECWRITE.EQUATION_FONT_BDF.100DPI].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSTEST.DECWRITE].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[LCI.LEXICONS].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.EPS].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.ARROWS].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.BUILDING].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.COMMUNIC].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.ENERGY].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.SPORTS].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.FIGURES].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.FINANCE].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.GOVERNMNT].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$SYSDEVICE:[CLIPART.SCIENCE].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSTEST.CHART$IVP].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSHLP.EXAMPLES.DECCHART].
%VMSINSTAL-I-RESTORE, Restoring product save set I ...
%VMSINSTAL-I-RESTORE, Restoring product save set J ...
```

```
     The following commands must be added to the system startup
     command file SYS$MANAGER:SYSTARTUP_V5.COM for all nodes that will
     be running DECwrite:

          @sys$startup:write$startup
          @sys$startup:lci$startup.com     ! American-English lexicon

     If you are installing this kit on a workstation, you should
     restart DECwindows after the installation has completed:

          @sys$startup:decw$startup restart

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...
%VMSINSTAL-I-RUNIVP, Executing installation verification procedure(s)

Executing IVP for: DECwrite V1.1

    The IVP edits a sample document. If the document looks the same as
    the illustration in the installation guide, then the installation
    has been successful. After the document windows appears, click the
    mouse in the window to assign input focus, and type Alt/Q (hold
    down the Compose Character or "Alt" key and press Q) to quit
    DECwrite and complete the DECwrite portion of the IVP.

        Starting DECwrite....

        ************************************

        DECwrite V1.1

        IVP COMPLETED SUCCESSFULLY

        ************************************

IVP completed for: DECwrite V1.1

Executing IVP for:  International Lexicon/American for VMS V1.0

        *******************************************

        International Lexicon/American for VMS V1.0

        IVP COMPLETED SUCCESSFULLY

        ********************************************

IVP completed for:  International Lexicon/American for VMS V1.0
Executing IVP for:  DECchart V1.1
        ************************************
        DECchart V1.1
        IVP COMPLETED SUCCESSFULLY
        ************************************
IVP completed for: DECchart V1.1
        Installation of DECWRITE V1.1 completed at 11:15

        VMSINSTAL procedure done at 11:16
```

A.2 Font Only DECwrite Installation

This sample installation printout shows the user responses and system messages when all the appropriate licenses have been installed, and the user selects a font only installation.

```
$ @vmsinstal decwrite011 mua0: options s

        VAX/VMS Software Product Installation Procedure V5.3

It is 19-JUL-1990 at 16:20.

Enter a question mark (?) at any time for help.

%VMSINSTAL-W-NOTSYSTEM, You are not logged in to the SYSTEM account.
%VMSINSTAL-W-ACTIVE, The following processes are still active:
        SMITH
        JONES
        DECterm 2
        Mail
        DECterm 3
        Notes

* Do you want to continue anyway [NO]? yes
* Are you satisfied with the backup of your system disk [YES]?

The following products will be processed:

  DECWRITE V1.1

         Beginning installation of DECWRITE V1.1 at 16:20

%VMSINSTAL-I-RESTORE, Restoring product save set A ...
%VMSINSTAL-I-RELMOVED, The product's release notes have been successfully

moved to SYS$HELP.

                DECwrite V1.1 Installation Procedure


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%VMSINSTAL-I-RESTORE, Restoring product save set B ...

     You can install the DECwrite kit completely or just the video
     fonts required to use the DECwrite Equation Editor.

     If you are installing this kit for use on a workstation, or on a
     VAXcluster that includes workstations, then you should install
     the entire kit. This requires 30,018 blocks.

     If you are installing this kit on a workstation that will only run
     DECwrite from a remote system, then only the video font files are
     needed. This requires 1,043 blocks.

* Do you want to install the entire kit [YES]? no
* Do you want to install only the video fonts [YES]?
```

```
     Installing only the DECwrite Equation Editor fonts...

* Do you want to purge files replaced by this installation [YES]?

    To complete the installation on a standalone VAX 11/780
    will take approximately:

        10 minutes to install

    All required questions have been asked.
    You can terminate the installation procedure at this time.

* Do you want to continue the installation [YES]?

%VMSINSTAL-I-RESTORE, Restoring product save set I ...
%VMSINSTAL-I-RESTORE, Restoring product save set J ...

     If you are installing this kit on a workstation, you should
     restart DECwindows after the installation has completed:

          @sys$startup:decw$startup restart


%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...
        Installation of DECWRITE V1.1 completed at 16:33

        VMSINSTAL procedure done at 16:43
$
```

B

DECwrite Files

This appendix lists the files that are modified or transferred to your system during a complete installation of DECwrite for VMS systems. The files are organized by directory.

Table B–1 lists all the DECwrite files installed or modified by the DECwrite installation. Table B–2 lists all the DECchart files installed or modified by the DECwrite installation.

Table B–1 DECwrite Files

Description	Directory	File Name
DECwrite Executable Images		
	sys$common:[sysexe]	decwrite.exe
	sys$common:[sysexe]	write$equation.exe
DECwrite Sharable Libraries		
	sys$common:[syslib]	decision$builder_shr.exe
		write$ail_shr.exe
		xdps$dpsclientshr.exe
		xdps$dpslibshr.exe
DECwrite Equation Editor 75 DPI Fonts		
	sys$common:[sysfont.decw.user_75dpi]	dutch801_decmath_italic8.decw$font
		dutch801_decmath_italic10.decw$font
		dutch801_decmath_italic12.decw$font

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		dutch801_decmath_symbol8.decw$font
		dutch801_decmath_symbol10.decw$font
		dutch801_decmath_symbol12.decw$font
DECwrite Equation Editor 100 DPI Fonts		
	sys$common:[sysfont.decw.user_100dpi]	dutch801_decmath_extension12.decw$font
		dutch801_decmath_italic8.decw$font
		dutch801_decmath_italic10.decw$font
		dutch801_decmath_italic12.decw$font
		dutch801_decmath_symbol8.decw$font
		dutch801_decmath_symbol10.decw$font
		dutch801_decmath_symbol12.decw$font
DECwrite Equation Editor Font Metrics Files		
	sys$common:[sysfont.ps_font_metrics.user]	dutch801_italic_decmath_italic.afm
		dutch801_roman_decmath_extension.afm
		dutch801_roman_decmath_symbol.afm
		dutch801_italic_decmath_italic.ps
		dutch801_roman_decmath_extension.ps
		dutch801_roman_decmath_symbol.ps
		terminal_dectech.afm
		terminal_dectech.ps
DECwrite Style Files		
	sys$common:[cda$library]	wr_dir.doc_style
		wr_examp.doc_style
		wr_lettr.doc_style
		wr_man.doc_style
		wr_manb.doc_style
		wr_memo.doc_style
		wr_news.doc_style
		wr_price.doc_style
		wr_rpt.doc_style

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		wr_slidt.doc_style
		wr_slidp.doc_style
		wr_techj.doc_style
		wr_milsp.doc_style
		wr_slidl.doc_style
DECwrite IVP Files		
	sys$common:[systest.decwrite]	write$ivp.com
		write$ident.com
		writeivp.doc
		feather.img
Miscellaneous		
	sys$common:[syslib]	write$fonts.ini
		write$prolog.ps
	sys$common:[syshlp]	write$help.hlb
	sys$common:[decw$defaults.user]	write$ui.uid
		write$print_ui_dwv2.uid
		write$equation.uid
		write$ipsdef.uid
		write$iupdef.uid
	sys$common:[sys$startup]	write$startup.com
DECwrite Getting Started Documents and Demonstration Files		
	sys$common:[syshlp.examples.decwrite]	books.img
		chart.img
		clock.img
		ruler.doc
		decwrite011_release_notes.decw$book
		decwrite011_release_notes.decw$bookshelf
		decwrite-linespacing-grid.eps
		docwindow.img
		eps_clipart.doc

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		gray_draft.eps
		keyboard_diagram.doc
		keysyms.286
		keysyms.386
		logo.img
		feather.img
		stylefiles.img
		graphics_examples.doc
		*.eps
		org-chart.doc
		new-offices.doc
		writedemo.doc
		standard_deviation.tex
		times_roman18.decw$font
		times_roman18_100dpi.decw$font
	sys$sysdevice:[clipart.eps]	
		APPLE.EPS
		ATOM.EPS
		BALLCAP.EPS
		BALLONS.EPS
		BASEBALL.EPS
		BEAR.EPS
		BELLS.EPS
		BIGTRUCK.EPS
		BLUERIBB.EPS
		BUTTERFL.EPS
		CAKE.EPS
		CANDLE.EPS
		CAP_TASS.EPS
		CARTOONM.EPS

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		CARTOONS.EPS
		CASSETTE.EPS
		CHRISTMA.EPS
		CITYSKYL.EPS
		COWBOYHA.EPS
		DARTBOAR.EPS
		EAGLE.EPS
		EASTERBU.EPS
		FEATHERP.EPS
		FLOWER.EPS
		FOOTBALL.EPS
		GAVEL.EPS
		GIFT.EPS
		GLASSES.EPS
		GROUGH-D.EPS
		HAMBURGE.EPS
		HANDSTOG.EPS
		HEART_LA.EPS
		HOURGLAS.EPS
		HOUSE.EPS
		ICECREAM.EPS
		INTLBED.EPS
		INTLGAS.EPS
		INTLPLA.EPS
		INTLRED.EPS
		JET.EPS
		KEY.EPS
		KEYPAD.EPS
		LIGHTBUL.EPS
		LIGHTBUL.EPS

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		LIGHTNIN.EPS
		LOBSTER.EPS
		LOCK.EPS
		MICROPHO.EPS
		MUSICB.EPS
		NOSMOKIN.EPS
		OLYMPICC.EPS
		OPENBOOK.EPS
		OWL.EPS
		PARTYFAV.EPS
		PENCIL.EPS
		PENGUIN.EPS
		POCKETWA.EPS
		PUMPKIN.EPS
		RAIN.EPS
		ROSES.EPS
		SCISSORS.EPS
		SCRIPTLI.EPS
		SCROLL.EPS
		SHELLDES.EPS
		STAROFDA.EPS
		STAROUTL.EPS
		SUNBURST.EPS
		SUNGLASS.EPS
		TELEPHON.EPS
		TOYTRAIN.EPS
		TROPHY.EPS
		WHALE.EPS
		WORLD.EPS
		WREATH.EPS

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		WREATHLE.EPS
	sys$sysdevice:[clipart.arrows]	
		ARR02.DOC
		ARR03.DOC
		ARR038.DOC
		ARR10.DOC
		ARR16.DOC
		ARROWS.IMG
		BOLDDWN2.IMG
		BOLDDOWN.IMG
		TIPS.IMG
		BIG_DOWN.IMG
		BIG_UP.IMG
		SELF.IMG
		DOWN.IMG
		RIGHT.IMG
		WINDOW.IMG
	sys$sysdevice:[clipart.building]	
		ARC02.DOC
		ARC034.DOC
		ARC04.DOC
		ARC040.DOC
		ARC048.DOC
		ARC060.DOC
		ARC08.DOC
		ARC09.DOC
		ARC11.DOC
		ARC12.DOC
		ARC18.DOC
		ARC25.DOC

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		ARC49.DOC
		BICYCLE.DOC
		TRUCK.IMG
		SKYLINE.IMG
		DOM27.DOC
		DOM40.DOC
		EQU01.DOC
		EQU02.DOC
		EQU03.DOC
		EQU04.DOC
		EQU05.DOC
		EQU08.DOC
		EQU10.DOC
		FIG48.DOC
		BUILDING.IMG
		TRA01.DOC
		TRA02.DOC
		TRA05.DOC
		TRA07.DOC
		TRA09.DOC
		TRA40.DOC
	sys$sysdevice:[clipart.communic]	
		COM06.DOC
		COM20.DOC
		PHONE.IMG
		PHONE2.IMG
		HANDSET.IMG
	sys$sysdevice:[clipart.energy]	
		DOM003.DOC
		DOM27.DOC

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		ENV03.DOC
		ENV07.DOC
		ENV09.DOC
		ENV11.DOC
	sys$sysdevice:[clipart.sports]	
		49ER.IMG
		BASEBALL.IMG
		CUP.IMG
		FOOTBALL.IMG
		NFL_LOGO.IMG
		OLYMPIC_LOGO.IMG
		SPO06.DOC
		SPO15.DOC
		SPO16.DOC
		SPO20.DOC
		SPO33.DOC
		SPO34.DOC
	sys$sysdevice:[clipart.figures]	
		ANA013.DOC
		ANA03.DOC
		ANA04.DOC
		ANA17.DOC
		ANA19.DOC
		ANA22.DOC
		ANA23.DOC
		ANA24.DOC
		NO_SIGN.IMG
		LAUGHING.IMG
		TALKING.IMG
		RUNNING.IMG

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		COMPASS.IMG
		CTN01.DOC
		CTN149.DOC
		CTN19.DOC
		CTN23.DOC
		CTN72.DOC
		CTN77.DOC
		CTN86.DOC
		CTN89.DOC
		DANCER.IMG
		DOM003.DOC
		DOM32.DOC
		DOM44.DOC
		EMERGNCY.IMG
		FIG034.DOC
		FIG04.DOC
		FIG045.DOC
		FIG047.DOC
		FIG059.DOC
		FIG060.DOC
		FIG099.DOC
		FIG109.DOC
		FIG117.DOC
		FIG128.DOC
		FIG133.DOC
		FIG143.DOC
		FIG144.DOC
		FIG178.DOC
		FIG179.DOC
		FIG185.DOC

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		FIG48.DOC
		FIG49.DOC
		FIG49.DOC
		FIG78.DOC
		FIG79.DOC
		FIG81.DOC
		HAND_KEY.IMG
		MIS005.DOC
		MIS03.DOC
		MIS16.DOC
		MEETING.IMG
		CROWD.IMG
		AUDIENCE.IMG
		QUILL.IMG
		BRAIN.IMG
		STAR_5PT.IMG
		CLUSTER.IMG
		STOPSIGN.IMG
		SUNBURST.IMG
		SUNSET.IMG
		WOMAN1.IMG
		WOMAN2.IMG
		WORKGRP2.IMG
		YIELD.IMG
		YODA.IMG
	sys$sysdevice:[clipart.finance]	
		AGENDA.IMG
		BUS01.DOC
		BUS10.DOC
		BUS24.DOC

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		BUS33.DOC
		BUS41.DOC
		DOLLAR.IMG
		DOLLAR1.IMG
		DOM009.DOC
		DOM011.DOC
		DOM034.DOC
		DOM10.DOC
		DOM27.DOC
		DOM32.DOC
		DOM44.DOC
		EMERGNCY.IMG
		ENVELOPE.IMG
		FIG034.DOC
		FIG045.DOC
		FIN05.DOC
		FIN10.DOC
		FIN15.DOC
		FIN16.DOC
		MIS001.DOC
		MIS002.DOC
		1DOLLAR.IMG
		SALESIGN.IMG
		SCALES.IMG
	sys$sysdevice:[clipart.governmt]	
		US_FLAG.IMG
		ARC040.DOC
		ARC09.DOC
		GOVTBLDG.IMG
		DOM27.DOC

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		GOV03.DOC
		GOV09.DOC
		GOV10.DOC
		MAP101.DOC
		MAP102.DOC
		MAP103.DOC
		MAP104.DOC
		MAP108.DOC
		MAP109.DOC
		MAP110.DOC
		MAP111.DOC
		MAP118.DOC
		MAP204.DOC
		MAP212.DOC
		MAP218.DOC
		MAP304.DOC
		MAP305.DOC
		MAP306.DOC
		MAP317.DOC
		MAP407.DOC
		MAP411.DOC
		MAP501.DOC
		MAP503.DOC
		MAP506.DOC
		MAP511.DOC
		MAP516.DOC
		MAP601.DOC
		MAP608.DOC
		MIS010.DOC
		SIVALLEY.IMG

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		WASHNGTN.IMG
	sys$sysdevice:[clipart.science]	
		DOM034.DOC
		DOM27.DOC
		DOM44.DOC
		EDU08.DOC
		EDU11.DOC
		EDU12.DOC
		EDU21.DOC
		FIG047.DOC
		FIG179.DOC
		SCI004.DOC
		SCI007.DOC
		SCI024.DOC
		SCI05.DOC
		SCI09.DOC
Equation Editor BDF Files		
	sys$common:[syshlp.examples.decwrite.equation_ font_bdf.100dpi]*.bdf	
	sys$common:[syshlp.examples.decwrite.equation_ font_bdf.75dpi]*.bdf	
Hyphenation Databases		
	sys$common:[syslib]	write$dnhyp01.ram
		write$duhyp01.ram
		write$encd01e.dsk
		write$encd01g.ram
		write$fnhyp01.ram
		write$grhyp01.ram
		write$hyp01.ram
		write$ithyp01.ram
		write$nbhyp01.ram
		write$pohyp01.ram

(continued on next page)

Table B–1 (Cont.) DECwrite Files

Description	Directory	File Name
		write$sphyp01.ram
		write$swhyp01.ram
		write$ua2005l.dsk
		write$ua2005l.ram
Thesaurus Database		
	sys$common:[syslib]	write$thesaurus.dsk
FileView Customization Files		
	sys$common:[vue$library.user]	write$vue.com
		write$vue_profile.vue$dat
International Lexicon/American English Files		
	lci$lexicons:	am2878kh.dsk
		am2878kh.ram
		lae.scp
	sys$common:[sys$startup]	lci$startup.com
	sys$common:[sys$test]	lae$ivp.com

Table B–2 DECchart Files

Files Installed or Modified by DECchart Description	Directory	File Name
DECchart IVP Files		
	sys$sysroot:[SYSTEST]	chart$ivp.com
	sys$sysroot:[SYSTEST.CHART$IVP]	chart$ident.com
File Used to Start DECchart From VUE		
	sys$sysroot:[VUE$LIBRARY.USER]	chart$vue.com
DECchart Executable Image		
	sys$sysroot:[SYSEXE]	decchart.exe
DECchart Help Library File		
	sys$sysroot:[SYSHLP]	chart$help.hlb
DECchart User Interface Description File		

(continued on next page)

Table B–2 (Cont.) DECchart Files

Files Installed or Modified by DECchart Description	Directory	File Name
	sys$sysroot:[decw$defaults.user]	chart$uid.uid
DECchart Sample Files		
	sys$sysroot:[syshlp.examples.decchart]	chart$sample.table
		chart$sample.chart
		chart$sample.chart_style
DECchart Style Files		
	sys$sysroot:[cda$library]	ch_area100.chart_style
		ch_areagrid.chart_style
		ch_areasimple.chart_style
		ch_area_col.chart_style
		ch_bar100.chart_style
		ch_barcluster.chart_style
		ch_barclustergrid.chart_style
		ch_barclustervalue.chart_style
		ch_baroverlap.chart_style
		ch_barstack.chart_style
		ch_col100.chart_style
		ch_colcluster.chart_style
		ch_colclustergrid.chart_style
		ch_colclustervalue.chart_style
		ch_coloverlap.chart_style
		ch_colstack.chart_style
		ch_col_hilo.chart_style
		ch_col_line.chart_style
		ch_col_scat.chart_style
		ch_hilo.chart_style
		ch_hiloclose.chart_style
		ch_hiloopcl.chart_style
		ch_hiloopen.chart_style

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Table B–2 (Cont.) DECchart Files

Files Installed or Modified by DECchart Description	Directory	File Name
		ch_hilo_line.chart_style
		ch_histo.chart_style
		ch_histohgrid.chart_style
		ch_histohvgrid.chart_style
		ch_histovalue.chart_style
		ch_line.chart_style
		ch_linehgrid.chart_style
		ch_linehvgrid.chart_style
		ch_linelog.chart_style
		ch_linemarkers.chart_style
		ch_line_line.chart_style
		ch_line_scat.chart_style
		ch_pie.chart_style
		ch_pieallexp.chart_style
		ch_pieoneexp.chart_style
		ch_pievalue.chart_style
		ch_scatter.chart_style
		ch_scatterdeplog.chart_style
		ch_scatterhvgrid.chart_style
		ch_scatterlines.chart_style
		ch_scatterxylog.chart_style
CDA Converter Files		
	sys$library:	doc$read_dx.exe
		doc$write_dx.exe
		dtif$read_ascii_tabular.exe
		dtif$write_ascii_tabular.exe
		dtif$read_calcgrd.exe
		dtif$read_dif.exe
		dtif$read_wk1.exe

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Table B–2 (Cont.) DECchart Files

Files Installed or Modified by DECchart Description	Directory	File Name
		dtif$write_wk1.exe
	cda$library:	dx_guide.doc_style
		dx_cour.doc_style
		dx_helv.doc_style
		dx_times.doc_style

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