DECpage Installation Guide

AA–W602F–TE

This manual explains how to install and maintain DECpage.

Revision/Update Information: This is a revised manual.

Operating System: VMS Version 5.1 or higher

Software Version: DECpage Version 3.1

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About This Guide

This manual describes how to install and maintain DECpage. You should read the entire guide before you start the installation.

Audience

This manual is written for VMS system managers or others responsible for installing and maintaining the DECpage software.

Prerequisites

To install DECpage, you must have access to a privileged account and be familiar with the VMS installation procedure (VMSINSTAL). You should also be familiar with VMS system management.

Structure of This Manual

This manual is organized as follows:

Chapter 1	Describes the preparations you must complete before you can install DECpage Version 3.1.
Chapter 2	Describes the DECpage Version 3.1 installation procedure.
Chapter 3	Describes the required and optional tasks to be completed after you install DECpage Version 3.1.
Appendix A	Contains a sample DECpage Version 3.1 installation.
Appendix B	Lists the files and logical names installed on the system during the DECpage installation.
Appendix C	Explains error messages that can be generated during the installation procedure.

Related Documentation

Table 1 lists the documentation for DECpage and indicates the software version for which the manuals were most recently revised.

Table 1 DECpage Documentation

Title	Version
DECpage Getting Started	3.0
DECpage User's Guide	3.0
DECpage Style Designer's Guide	3.0
DECpage Style Samples	3.0
DECpage Quick Lookup	3.0
DECpage Express	3.1
DECpage Version 3.1 Statement of Supported Versions	3.1

DECpage Version 3.1 comes with online release notes. See Section 2.1.1 for information about how to access them.

For support information, refer to the Software Support Addendum in the DECpage Version 3.1 Software Product Description (SPD).

For more information about the License Management Facility (LMF) or VMSINSTAL, see the VMS documentation set. For more information about using AUTOGEN, see the Extended VMS System Management documentation subkit.

Conventions

This manual uses the following conventions:

DECpage	Means the DECpage™ software.
ALL-IN-1	Means the ALL-IN-1™ software.
WPS-PLUS	Means the WPS-PLUS™ software.
Enter	Means type your response and then press a terminator key, such as RETURN.
$	Means the system prompt. It indicates that the VMS command interpreter is ready for command input.
. . .	Means information not directly related to the example has been deleted.
CTRL/X	Indicates that you press the CTRL key and another key.

GOLD x	Tells you to press the GOLD key, labeled PF1 on some keypads, and then a function key.
RETURN	Tells you to press the RETURN key.
Dot matrix type	Indicates text that appears on your screen.
Red text or Bold dot matrix type	Indicates text you type in examples.

1

Preparing to Install DECpage

This chapter discusses the preparations and requirements necessary for installing DECpage.

Your bill of materials (BOM) and indented bills report (BIL) specify the number and contents of your media. Be sure to verify the contents of your kit with this information. If your kit is damaged or if parts are missing, contact your Digital representative.

DECpage provides online release notes. Digital strongly recommends that you read the release notes before proceeding with the installation. For information on accessing the online release notes, see Section 2.1.1.

1.1 Required Operating System Components

The VMS operating system comes with a variety of support options, or classes, which include such features as support for VAXclusters, networking, and programming. To use DECpage Version 3.1, your system should be running a version of VMS that includes the classes listed in Table 1–1.

Table 1–1 VMS Classes Required

Class	Abbreviation
Base	BASE
Cluster Support	CLUS
Device Drivers	DRVR
System Management Files	MNGR
Network Support	NET

(continued on next page)

Table 1–1 (Cont.) VMS Classes Required

Class	Abbreviation
Programming Support	PROG
Secure User's Environment	USER
Utilities	UTIL

1.2 Prerequisite Software

The following software must be installed on your system prior to the DECpage installation:

- A valid VMS operating system configuration running VMS Version 5.1 or higher
- WPS-PLUS/VMS or ALL-IN-1

  See the *DECpage Statement of Supported Versions* for the versions supported.

  If you reinstall or upgrade WPS-PLUS or ALL-IN-1, you must rerun the DECpage post-installation procedures. See Chapter 3 for more information.

If you plan to use an LN03 or LN03 PLUS device with DECpage, you must have one of the Version 1.3 font packages installed. If you want to use the entire set of DECpage print styles, you must have the DECpage Complete Office Font Package installed. The DECpage Basic Office Font Package handles a subset of the print styles. (See Section 3.17 for information about upgrading from the Basic to the Complete font package.) The DECpage installation checks for an LN03 font package. If this required software is not installed on your system, the installation terminates.

1.3 Optional Software

This section lists software that can be used together with DECpage. See the System Software Addendum (SSA) for a complete list of compatible products and their required version numbers. The SSA is part of the Software Product Description (SPD).

DECpage Version 3.1 is compatible with the following software products:

- VAX GKS
  - Version 4.0 on PostScript devices
  - Version 3.1 on LN03 and LN03 PLUS devices

  If you plan to use GKS, it must be installed prior to the DECpage installation.

- DECpage LN03 Upgrade and Complete Office Font Packages Version 1.3

  These fonts are used by the LN03 and LNO3 PLUS laser printers and are required only if you plan to use the extended DECpage style set. (The other supported printers do not require additional fonts.)

  If you plan to use these font packages, they must be installed prior to the DECpage installation.

- VAX DECslide Version 1.3
- VAX DECgraph Version 1.5

1.4 Prerequisite Hardware

You must have a laser printer to run the Installation Verification Procedure (IVP) and use DECpage. DECpage can be used with the following laser printers:

- PrintServer 20
- PrintServer 40 Plus
- PrintServer 40
- LN03R ScriptPrinter
- LN03, with two RAM cartridges
- LN03 PLUS, with two RAM cartridges

1.5 License Registration

You must register the DECpage license through the VMS License Management Facility (LMF) in accordance with the license agreement signed by your site. The license registration information you need is contained in the Product Authorization Key (PAK) that is shipped with DECpage. The PAK is a paper certificate that contains information about the license you have purchased to run a particular piece of software.

During the installation, the system asks if you have registered the DECpage license and loaded the appropriate authorization key. You must register and load your license for DECpage *before* you start the installation in order to run the Installation Verification Procedure and use the software.

To register a license under VMS, first log in to the system manager's account, SYSTEM. You can register a license in one of two ways:

- Invoke the SYS$UPDATE:VMSLICENSE.COM procedure. When it prompts you for information, respond with data from your PAK.
- Issue the LICENSE REGISTER command at the DCL prompt, using the qualifiers that correspond to the PAK information.

If you plan to use DECpage on more than one node in a VAXcluster, you will need to perform a license load on the other nodes after you complete this installation. See Section 3.11 for DECpage installation instructions for VAXclusters.

For complete information on using LMF, see the manual on the License Management Utility in the VMS documentation set.

1.6 Determining Saveset Names

To install DECpage, you must know the saveset name of your kit. You can determine a saveset name by checking the label of your media. Table 1–2 lists the media labels and corresponding saveset names of all the DECpage installation kits, as well as the language of each.

Table 1–2 DECpage Saveset Names

Media Label	Saveset Name	Language
DECpage	PAGE031	English (American)
DECpage/DANSK	DECPAGEDANS031	Danish
DECpage/DEUTCH	DECPAGEGERM031	German
DECpage/ENGLISH	DECPAGEENGL031	English (British)
DECpage/ESPANOL	DECPAGESPAN031	Spanish
DECpage/FRANCAIS	DECPAGEFREN031	French
DECpage/ITALIANO	DECPAGEITAL031	Italian
DECpage/NEDERLANDS	DECPAGEDUTC031	Dutch
DECpage/SVENSKA	DECPAGESWED031	Swedish

1.7 Performing an Update Installation

The next two sections describe requirements for update installations.

1.7.1 Setting the System Protection

If you are performing an update installation, you must set the system protection to delete (S:D) on the [DECpage] directory.

1.7.2 Saving Information Data Files

If you have modified any of the information data files listed in Table 1–3, you must save them before upgrading from Version 3.0 to Version 3.1 of DECpage. (This does not apply to pre-Version 3.0 releases.) You can find these files as follows:

- In OA$DATA_LLV if the existing DECpage software was integrated into ALL-IN-1 Version 2.1 BEV (or LV), or ALL-IN-1 Version 2.2 U.S. (or UK)

- In OA$SITE_DATA_LLV if the existing DECpage software was integrated into ALL-IN-1 Version 2.3
- In ddcu:[WPSPLUS.DATA_language] (where *language* is the language version of WPS-PLUS) if the existing DECpage software was integrated into WPS-PLUS/VMS Version 2.1 (U.S., UK, BEV, or LV)
- In ddcu:[WPSPLUS.SITE_DATA_language] (where *language* is the language version of WPS-PLUS) if the existing DECpage software was integrated into WPS-PLUS/VMS Version 3.0

Table 1–3 Information Data Files to Be Saved

File Changed:	By Using:
BATCHQ.DAT	Batch Queue Definitions (BQ) option
DEVICELST.DAT	Device and Queue Association (DQ) option
TEMPLST.DAT	User-defined styles (UDS) option
STYLELST.DAT	User-defined styles (UDS) option

1.8 Installing Laser Printers

You must have a laser printer installed before you can install and use DECpage. There are two groups of printers that can be used with DECpage:

- The LN03R ScriptPrinter, PrintServer 40, PrintServer 40 Plus, and PrintServer 20

  You install these printers using the directions in the installation manuals that accompany them.

- The LN03 PLUS and LN03 (with two RAM cartridges)

  Section 1.8.1 describes how to install these printers and set the necessary printer characteristics.

Note *Make sure your queue manager has been started before you begin the DECpage installation.*

You can install additional printers after DECpage is running without reinstalling DECpage.

1.8.1 Installing Non-PostScript Laser Printers

If you are using a non-PostScript laser printer with DECpage, you must modify the printer characteristics at the DCL level before installing DECpage. To make the printer characteristics permanent, you must also make the appropriate changes in the .COM file used to start your print queues.

Use the following procedure for the new printer characteristics to take effect immediately:

1. Stop the printer queue and associated generic queue, if there is one, as follows:

```
$  STOP/QUEUE/NEXT generic-queue
$  STOP/QUEUE/NEXT printer-queue[:]
```

2. Set the printer to NOSPOOLED with the following command:

```
$  SET DEVICE/NOSPOOLED printer-queue[:]
```

3. Modify the printer characteristics according to the type of line the printer is attached to, as follows:

   - If your non-PostScript printer is attached to a terminal (DZ) line:

```
$  SET TERMINAL/NOAUTOBAUD/NOBROADCAST -
_$  /DEVICE_TYPE=LN03/EIGHT_BIT/FORM/LOWERCASE -
_$  /PAGE=63/INTERACTIVE/PASTHRU/SPEED=9600/TTSYNC -
_$  /WIDTH=511/NOWRAP terminal-name[:]
```

   - If your non-PostScript printer is attached to an LP-11 line:

```
$  SET PRINTER/CR/FF/LOWERCASE/PAGE=63/PASSALL -
_$  /PRINTALL/NOTRUNCATE/UNKNOWN/WIDTH=511 -
_$  /NOWRAP printer-name[:]
```

4. Set the printer queue to SPOOLED and reassociate the generic queue, if there is one, as follows:

```
$  SET DEVICE/SPOOLED=generic-queue printer-queue[:]
```

5. Restart the printer queue and associated generic queue, if there is one, as follows:

```
$  START/QUEUE generic-queue
$  START/QUEUE printer-queue[:]
```

1.9 VAXcluster Configurations

You can install DECpage Version 3.1 software on any of three VAXcluster configuration types:

Computer Interconnect-only VAXclusters
Local Area VAXclusters
Mixed-interconnect VAXclusters

The section that follows describes the types of clusters, provides installation information specific to each type, and defines the operating environments.

For information about installation procedures for VAXcluster configurations, see Section 3.11 in this manual, and the manual on VAXclusters in the VMS documentation set.

1.9.1 VAXcluster Configuration Types

You can install DECpage Version 3.1 on the following types of clusters, using the procedure described in Section 3.11:

- Computer Interconnect (CI)-only VAXcluster configuration

  CI-only clusters use the computer interconnect for interprocessor communication, with the Star Coupler as the common connection point for all cluster nodes. Cluster nodes may be any VAX processors specified in the VAXcluster Software Product Description, or they may be Hierarchical Storage Controllers (HSCs).

- Local Area VAXcluster configurations

  Local area clusters consist of a boot server (a VAX or MicroVAX containing all the disks from which DECpage is run) connected by Ethernet to a number of satellite nodes. A satellite node is usually a MicroVAX.

  With local area clusters, install DECpage on the boot server only, using the pre-installation and installation procedures described in Chapters 1 and 2.

  Do not install DECpage on the satellite nodes. Satellite nodes, which are used by the individual work groups only, use the boot server to access DECpage. You must, however, check the VMS system parameters for each node on which you are going to run DECpage. See Section 1.10.4 for information on VMS system parameters.

- Mixed-interconnect VAXcluster configurations

  Mixed-interconnect clusters became available for the first time with VMS Version 5.0. A Mixed-interconnect cluster can include VAX processors, HSCs, and MicroVAX satellite nodes. The procedure for installing DECpage software on a Mixed-interconnect VAXcluster system is the same as that for installing on a Local Area VAXcluster system.

1.10 Installation Procedure Requirements

The following sections discuss various requirements for installing DECpage.

1.10.1 Time

The installation should take approximately 30 to 60 minutes, depending on your type of media and your system configuration. This does not include time needed for post-installation procedures.

For example, installing DECpage on a standalone VAX 11/780 system takes from 40 to 60 minutes, and the Installation Verification Procedure (IVP) takes about 10 minutes. Multiple IVPs will take about 10 minutes per printer selected.

1.10.2 Privileges

Install DECpage from the system manager's account, with full privileges.

Note that the VMS installation procedure (VMSINSTAL) turns off the BYPASS privilege at the start of the installation. If you are performing an update installation, be sure to set the system protection to delete (S:D) on the DECpage directory.

1.10.3 Disk Space

Installing DECpage requires a certain amount of free disk storage space during the installation. Once DECpage is installed, less disk space is required.

You can install DECpage on the system disk or on an alternate disk. Table 1–4 gives the disk space requirements if you are installing DECpage on the system disk. Table 1–5 gives the disk space requirements if you are installing DECpage on an alternate disk.

Table 1–4 Disk Space for Installation on System Disk

Disk Where Blocks Are Required	Blocks During Installation	Blocks After Installation
System	40,000	35,000

Table 1–5 Disk Space for Installation on Alternate Disk

Disk Where Blocks Are Required	Blocks During Installation	Blocks After Installation
System	40,000[1]	600
Alternate	35,000	35,000

[1]These blocks are required for saveset expansion. DECpage does not support installations using alternate work directories.

To determine the number of free disk blocks on the current system disk, enter the following command at the DCL prompt:

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

1.10.4 System Parameters

The following sections describe:

- The system parameter value required for the installation
- How to check system parameter values
- How to calculate values for the GBLPAGES system parameter
- How to change the GBLPAGES value, using the VMS AUTOGEN command procedure

The Global Pages (GBLPAGES) value is the only value in the system parameter file that you need to check.

Table 1–6 lists the minimum required system parameter value for the installation. The table lists only the nonstandard parameter setting. SYSGEN default values are adequate for those settings not listed. Depending on the kinds of programs and applications running at your site, you might need a higher value for this setting.

Note *If your system's current SYSGEN parameter is set at a higher value than the one listed in Table 1–6, do not reduce that value.*

Table 1–6 Minimum Required System Parameter Value

System Parameter	Value
GBLPAGES[1]	n + 950

[1]The value listed represents the number of free global pages required for the installation, not the total number you need to run your system and other software.

1.10.4.1 Checking System Parameter Values

To check the values of your system parameters, invoke the System Generation Utility (SYSGEN) by entering the following command at the DCL prompt:

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

At the SYSGEN> prompt, enter the SHOW command to display the value of a system parameter. The value displayed should equal or exceed the value of the parameter listed in Table 1–6. The following example shows the use of the SHOW command for obtaining information for the GBLPAGES system parameter:

```
SYSGEN>  SHOW GBLPAGES
```

After you finish checking the GBLPAGES parameter with the SHOW command, enter the EXIT command at the SYSGEN> prompt to return to DCL level.

1.10.4.2 Calculating the Value for GBLPAGES

To install and run DECpage, you must have sufficient free global pages. First, you must find out how many free global pages you have on your system. Then use AUTOGEN if you need to increase the GBLPAGES system parameter.

The n + 950 value for GBLPAGES in Table 1–6 indicates that you must have at least 5000 unused global pages available on your system for the installation to process successfully.

If you are installing DECpage on a VMS Version 5.1 system, perform the following steps to calculate how many unused global pages your system has:

1. Run the VMS Install Utility (INSTALL) using the following DCL command:

   ```
   $  INSTALL LIST/GLOBAL/SUMMARY
   ```

   The Install Utility displays a summary of global pages and global sections used by your system, as well as the current number of unused global pages. For example:

   ```
            Summary of Local Memory Global Sections

   158 Global Sections Used,  9744/365 Global Pages Used/Unused
   ```

2. Determine if the number of unused pages (365 in the example) is equal to or greater than 950, the number required by DECpage.

If you are installing DECpage on a VMS Version 5.2 or higher system, you can use the WRITE command with the F$GETSYI lexical function to find the number of free global pages. The following example shows how to get this information at your terminal (the default for SYS$OUTPUT):

```
$  WRITE SYS$OUTPUT F$GETSYI("FREE_GBLPAGES")
365
```

If the number of unused pages is less than the required number, you need to increase the value for GBLPAGES. For example, using the 365 figure from the examples, you would need to increase GBLPAGES by 585. The process used to calculate that value is:

```
          9744  Used Global Pages
      +    365  Unused Global Pages
      -------
        10109  Current Value of GBLPAGES

And:
          950   Required GBLPAGES for DECpage
      -   365   Unused Global Pages
      ------
          585   Remainder

Then:

       10109   Current Value of GBLPAGES
      +  585   Remainder
      ------
       10694   New required GBLPAGES value
```

Section 1.10.4.3 describes the procedure for increasing system parameter values using AUTOGEN. See the Extended VMS System Management documentation subkit for information on using AUTOGEN.

1.10.4.3 Changing System Parameter Values with AUTOGEN

You use the AUTOGEN command procedure to change system parameters. You can add new parameters and modify incremental parameters. AUTOGEN automatically adjusts values for other system parameters that are associated with the values you reset manually.

To change the GBLPAGES parameter with AUTOGEN:

1. Edit the following file:

   ```
   SYS$SYSTEM:MODPARAMS.DAT
   ```

2. Modify the incremental parameter for GBLPAGES by using ADD_. For example, add the following line to increase the value by 585:

   ```
   ADD_GBLPAGES = 585
   ```

3. Exit from the editor.

4. Run the AUTOGEN procedure to recalculate the system parameters by entering the following command at the DCL prompt:

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

   Specifying REBOOT causes AUTOGEN to perform an automatic shutdown and then reboot the system when it has finished. Any users logged on to the system are immediately disconnected during the shutdown. The automatic reboot puts any new parameter values into effect.

The Autogen Utility automatically adjusts some of the SYSGEN parameters based on the consumption of resources since the last reboot. If you do not want to take advantage of this automatic adjustment, include the /NOFEEDBACK qualifier on the AUTOGEN command line.

For more information about using AUTOGEN, see the Extended VMS System Management documentation subkit.

1.10.5 Process Account Quotas

The account you use to install DECpage must have sufficient quotas to enable you to perform the installation. Table 1–7 summarizes the process quotas DECpage requires for the installation account.

Table 1–7 Process Account Quotas for the Installing Account

Account Quota	Value
ASTLM	100
BIOLM	50
BYTLM[1]	36500
DIOLM	50
ENQLM	200
FILLM	150
PGFLQUO	20000
TQELM	50
WSDEF	256
WSEXTENT[2]	2048
WSQUO[2]	512

[1]Using multiple VMSINSTAL options requires a higher value for BYTLM.

[2]The values for WSEXTENT and WSQUO must be equal to or greater than the WSDEF value.

VMS stores user account quotas in the file SYSUAF.DAT. Use the VMS Authorize Utility to verify and change user account quotas, as follows:

1 Set your directory to SYS$SYSTEM and then run AUTHORIZE by entering the following commands at the DCL prompt:

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

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

```
UAF>  SHOW SMITH
```

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

MODIFY account-name /quota-name=nnn

The following example changes the FILLM quota for the SMITH account:

```
UAF>  MODIFY SMITH /FILLM=50
```

4 Exit from the Authorize Utility when you have finished verifying user account quotas:

```
UAF>  EXIT
```

After you exit from the utility, the VMS system displays messages indicating whether or not changes were made. After you make the changes, you must log out and log in again to enable the new quotas.

For more information on modifying account quotas, see the description of the Authorize Utility in the Extended VMS System Management documentation subkit.

1.10.6 VMSINSTAL Requirements

Before you invoke VMSINSTAL, you should complete the following steps:

1 Log in to a privileged account

2 Set your default device and directory to SYS$UPDATE

3 Ensure the system has adequate quotas for installation

When you invoke VMSINSTAL, the procedure first checks to be sure you meet these requirements and then displays the following information:

- Whether DECnet is up and running on the system (VMS Version 5.1 only)
- Which, if any, users are logged in to the system

It is not necessary to shut down DECnet. However, inform WPS-PLUS or ALL-IN-1 users that they are to log off while DECpage is being installed.

Note that VMSINSTAL requires that the installation account have a minimum of the following quotas:

ASTLM = 24
BIOLM = 18
BYTLM = 18,000
DIOLM = 18

ENQLM = 30
FILLM = 20

If VMSINSTAL detects any problems during the installation, it notifies you and asks if you want to continue the installation. In some instances, you can enter YES to continue. To stop the installation process and correct the situation, enter NO and press RETURN. Then correct the problem and restart the installation.

1.10.7 Backing Up Your System Disk

At the beginning of the installation, VMSINSTAL asks if you have backed up your system disk. Digital recommends that you do a system disk backup before installing any software.

Use the backup procedures that are established at your site. For details on performing a system disk backup, see the section on the Backup Utility in the Extended VMS System Management documentation subkit.

2

Installing DECpage

This chapter describes how to install DECpage. Section 2.2 contains a step-by-step description of the installation procedure, based on a U.S. installation.

2.1 General Information

This section includes general information about accessing the online release notes, running the Installation Verification Procedure (IVP), and aborting the installation.

2.1.1 Accessing the Online Release Notes

DECpage provides online release notes. You must specify OPTIONS N when you invoke VMSINSTAL to access the release notes. VMSINSTAL provides a list of options near the beginning of the installation that lets you decide how to review the release notes during the installation.

You should review the release notes in case they contain any information about changes in the installation procedure. If you are restarting the installation procedure and you have already reviewed the release notes, you do not need to specify OPTIONS N.

After you install DECpage, your system stores the release notes in the following file:

```
SYS$HELP:saveset-name.RELEASE_NOTES
```

For the *saveset-name* of your kit, see Table 1–2.

2.1.2 Running the Installation Verification Procedure

The Installation Verification Procedure (IVP) for DECpage verifies the installation. When you install DECpage, the VMSINSTAL procedure asks you if you want to run the IVP as part of the installation. If you respond YES, VMSINSTAL runs the IVP. It is recommended that you run the IVP to make sure that DECpage is installed correctly.

After you install DECpage, you can run the IVP independently to verify that the software is available on your system. You might need to run the IVP after a system failure to be sure that users can access DECpage.

If you run the IVP during the installation, the IVP prints a representative sample of the DECpage styles. If you run the IVP separately as a post-installation procedure, you can select this brief IVP or an IVP that takes much longer and prints the complete set of DECpage styles, as shown in the *DECpage Style Samples* manual. See Chapter 3 for information about running the IVP separately.

2.1.3 Aborting the Installation

You can stop the installation procedure at any time by pressing CTRL/Y. You can then restart the installation. When you press CTRL/Y, the installation procedure exits. You might see warning messages that some directories already exist when you restart the installation.

2.2 The Installation Procedure

The DECpage installation procedure consists of a series of questions and informational messages. See Appendix A for a sample installation.

2.2.1 Invoking VMSINSTAL

To start the installation, invoke the VMSINSTAL command procedure from a privileged account, such as the SYSTEM account. VMSINSTAL is in the SYS$UPDATE directory. Use the following syntax to invoke VMSINSTAL:

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

saveset-name
The installation name for the component. For example, PAGE031 is the saveset name for the U.S. kit. See Table 1–2 for the saveset names of all the DECpage kits.

device-name
The name of the device on which you plan to mount the media. For example, MTA0: is the device name for a tape drive. It is not necessary to use the console drive for this installation. However, if you do use the console drive, you should replace any media you remove once you complete the installation.

OPTIONS N

An optional parameter that gives you the option of accessing the release notes during the installation. If you do not include the OPTIONS N parameter, VMSINSTAL does not ask you about the release notes. You should always review the release notes before you proceed with the installation in case they contain new information about the installation.

Note that there are several other options you can select when you invoke VMSINSTAL. See the VMS documentation on software installation in the Extended VMS System Management documentation subkit for information on these options.

The following example displays the command you use to invoke VMSINSTAL to install DECpage from tape drive MTA0: and shows the system response. This example uses the OPTIONS N release note parameter.

```
$  @SYS$UPDATE:VMSINSTAL PAGE031 MTA0: OPTIONS N

       VAX/VMS Software Product Installation Procedure V5.2


It is 17-JAN-1990 at 09:00.
Enter a question mark (?) at any time for help.
```

If you do not supply either the product name or the device name, VMSINSTAL prompts you for this information later in the installation procedure. Because VMSINSTAL does not prompt for options, be sure to include OPTIONS N on the VMSINSTAL command line if you want to access the release notes during the installation.

2.2.2 Answering Installation Questions

This section describes the questions that appear during the installation. Appendix A contains a sample installation procedure showing how the questions can be answered.

VMSINSTAL marks each question in the installation with an asterisk (*) at the beginning of the line. Some questions show the default response in brackets, for example [YES]. To use the default response, press the RETURN key.

The following list outlines the questions in the installation procedure:

1 DECnet status

  VMSINSTAL notifies you if DECnet is running and displays a list of all active processes. It then asks if you want to continue the installation. You can install DECpage with DECnet up and running. NO is the default response to the question.

```
%VMSINSTAL-W-DECNET, Your DECnet network is up and running.
    .
    .
    .
* Do you want to continue anyway [NO]?
```

If you are installing on VMS Version 5.2 or higher, VMSINSTAL does not check the DECnet status. You can install DECpage while DECnet is up and running.

2 System backup

VMSINSTAL asks if you are satisfied with your system backup. You should always back up your system disk before performing an installation. If you are satisfied with the backup of your system disk, press RETURN. Otherwise, enter NO to discontinue the installation. After you back up your system disk, you can restart the installation.

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

3 Mounting the media

You should now mount the distribution volume on the device you specified when you invoked VMSINSTAL. The device name appears in the line preceding the question. VMSINSTAL then asks you if you are ready to continue with the installation.

If you respond YES to indicate that you are ready, VMSINSTAL displays a message indicating that the media containing DECpage is mounted on the specified device and that the installation has begun. For example:

```
Please mount the first volume of the set on MTA0:.
* Are you ready?  YES
%MOUNT-I-MOUNTED, PAGE MOUNTED ON _$$MTA0:  (NODE 1)
The following products will be processed:
  PAGE V3.1

    Beginning installation of PAGE V3.1 at 09:01

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

If you entered the wrong device name when you invoked VMSINSTAL and you need to restart the installation, enter NO in response to the ''Are you ready?'' question. To abort the installation for other reasons, press CTRL/Y.

4 Release notes

If you specified OPTIONS N when you invoked VMSINSTAL, you are now asked to choose an option for reviewing the release notes. Under VMS Version 5.1, there are five release notes options. Under VMS Version 5.2 or higher, there are only four options.

For VMS Version 5.1, the following options are displayed:

```
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]:
```

For VMS Version 5.2 or higher, the following options are displayed:

```
Release notes included with this kit are always copied to SYS$HELP.

Additional Release Notes Options:

 1.  Display release notes
 2.  Print release notes
 3.  Both 1 and 2
 4.  None of the above

* Select option [2]:
```

The following list explains the release notes options:

- Display the release notes.

  Select option 1 to display the release notes. VMSINSTAL displays the release notes immediately on the console terminal. You can terminate the display at any time by pressing CTRL/C.

- Print the release notes.

  Select option 2 to print the release notes. VMSINSTAL prompts you for the name of the print queue to use:

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

  Press RETURN to send the file to the default output print device, or enter another queue name.

- Display and print the release notes.

  Select option 3 to display and print the release notes. VMSINSTAL displays the release notes immediately on the console terminal and then prompts you for a queue name for the printed version.

- Copy the release notes to the help directory.

  Under VMS Version 5.1, select option 4 to copy the release notes to SYS$HELP, the system help directory. Even if you do not select option 4, the release notes for DECpage are copied to the SYS$HELP directory.

Under VMS Version 5.2 or higher, the release notes are always copied to SYS$HELP.

- Take no action.

  Select option 4 (VMS Version 5.2 or higher) or option 5 (VMS Version 5.1) if you have already reviewed the release notes and are restarting the installation.

For a typical installation, you should select option 2, the default option.

5 Continuing the installation

The installation procedure now asks if you want to continue the installation. To continue, enter YES. Otherwise, press RETURN.

In either case, the release notes are copied to a file in the SYS$HELP directory. For example:

```
* Do you want to continue the installation [N]?:  YES
%VMSINSTAL-I-RELMOVED, The product's release notes have been
   successfully moved to SYS$HELP.
```

VMSINSTAL copies the release notes for the American kit to the following file:

```
SYS$HELP:PAGE031.RELEASE_NOTES
```

Note *The name of the release notes file installed by VMSINSTAL consists of the current saveset name and version number. Do not delete the release notes for previous versions of DECpage.*

After you enter YES to continue the installation, two copyright notices are displayed. At the end of their display, you are asked to press any key to continue the installation. For example, you can press RETURN.

6 Continuing the installation

The installation procedure then displays the media label of the kit that is being installed. For example:

```
This is the DECpage V3.1 installation kit.
```

The installation procedure asks if you want to continue the installation. Check to make sure you are installing the correct DECpage kit. (See Table 1–2 for the media labels of all the DECpage kits.)

If you are installing the correct kit, press RETURN to continue. If the kit is not correct, enter NO, and the installation procedure terminates.

7 Checking license registration

The installation procedure displays license information about your product and then asks if you have registered and loaded your authorization key for DECpage. For example:

```
Product:       DECPAGE
Producer:      DEC
Version:       3.1
Release Date:  15-JAN-1990

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

If you have not registered and loaded your authorization key, you must answer NO to this question. You have to register and load your product authorization key to successfully complete the installation. If you have not done so, you should stop the installation, register and load your product authorization key, and then restart the installation.

8 Verifying the prerequisite software and hardware

The installation procedure lists the following software and hardware requirements:

```
DECpage requires that the following be present on your
system BEFORE installation:

        VAX/VMS Version 5.1 or higher

        WPS-PLUS/VMS  Version 3.0 or higher, or
        any language variant, or
        ALL-IN-1 Version 2.3 or higher, or
        any language variant

        LN03 Office Fonts    (If you have an LN03 or LN03 PLUS)

You must also have one of the following laser printers:

        LPS20 (PrintServer 20)
        LPS40 Plus (PrintServer 40 Plus)
        LPS40 (PrintServer 40)
        LN03R (ScriptPrinter)
        LN03 PLUS (with two RAM cartridges)
        LN03 (with two RAM cartridges)

Do you wish to continue [YES]?
```

If you have the necessary software and hardware, press RETURN for the installation to continue. If you do not, enter NO; the installation procedure terminates.

9 Specifying one or more laser printers

The installation procedure now asks you to specify which types of laser printers are available on your system. For example:

```
* Do you have an LN03 (LN03 PLUS) graphics printer [YES]?
```

Specify the appropriate printer or printers. You can select one or more than one.

Note *If you select a printer that requires prerequisite installation of Office Fonts, such as an LN03, and the Office Fonts are not installed, the installation fails.*

10 Choosing to run the Installation Verification Procedure (IVP)

Each time you select a printer, VMSINSTAL asks if you want to run the IVP on the selected printer:

```
* Do you wish to run the IVP on this printer [NO]?
```

If you enter YES, the installation procedure asks for the queue name. For example:

```
* What is the LN03 queue name:
```

The IVP for DECpage checks to be sure that the installation is successful. Digital recommends that you run the IVP.

You can choose not to run the IVP during the installation and run it later. See Chapter 3 for information about running the IVP separately.

11 Selecting the paper size

After you finish answering the laser printer questions for all the supported printers, the installation procedure asks you to select the paper size for your installation:

```
        What paper size will you be using?

        1) American (8 1/2 x 11)
        2) International (A4)
*  [1]:
```

12 Choosing to copy the clip art

The installation procedure displays the following message and asks if you want to copy the graphics provided with the kit to the clip art directory:

```
        This kit contains a library of Encapsulated PostScript(R)
        graphics.  Their total size is approximately 3,000 blocks
        when they are copied to the DECpage clip art directory.

* Do you want these graphics copied to the clip art directory [YES]?
```

Press RETURN to copy the graphics to the clip art directory. Otherwise, enter NO.

13 Specifying the installation location

The installation procedure displays the disk space requirements for DECpage and then asks you where you want to install DECpage on your system:

```
* Do you want the product files to reside on the system disk [YES]?
```

Press RETURN to install DECpage on the system disk. Otherwise, enter NO. If you enter NO, you are prompted to supply a device name.

Note *Make sure the device is a disk and that it is mounted.*

The installation then asks you to confirm your choice of devices. For example:

```
* Target device is DDCU:.  Is this correct [YES]?
```

If you answer NO to this question, you are prompted for a different device.

14 Choosing to purge files

You have the option to purge files from previous versions of DECpage that are superseded by this installation. Purging is recommended; however, if you need to keep files from the previous version, enter NO in response to the question.

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

2.2.3 Checking Informational Messages

At this point, there are no further questions. The installation procedure displays a number of informational messages that report on the progress of the installation.

If the installation procedure has been successful up to this point, VMSINSTAL moves the new or modified files to their target directories, updates help files, and updates DCL tables, if necessary. If you chose to have files purged, that work is done now. VMSINSTAL displays the following messages:

```
%VMSINSTAL-I-RESTORE, Restoring product saveset B...
%VMSINSTAL-I-RESTORE, Restoring product saveset C...
   .
   .
   .
%VMSINSTAL-I-MOVEFILES, files will now be moved to their target
                                    directories...
   .
   .
   .
```

2.2.4 Running the Installation Verification Procedure

If you chose to run the IVP, VMSINSTAL runs it now. The IVP tests the software by printing representative samples from the DECpage Style Samples on the printer you selected. This process takes approximately 15 minutes on a VAX 11/785.

When the IVP runs successfully, you see the following message:

```
DECpage Version 3.1 IVP completed successfully!

     >>>>>     DECPAGE HAS BEEN SUCCESSFULLY INSTALLED     <<<<<
```

2.2.5 Completing the Installation Procedure

Before indicating that the installation is complete, the installation procedure displays important post-installation information about modifying the system startup command procedure and installing DECpage forms to integrate DECpage into WPS-PLUS or ALL-IN-1.

The following messages then indicate that the entire installation procedure is complete:

```
   Installation of PAGE V3.1 completed at 11:13

   VMSINSTAL procedure done at 11:14
```

You can now log out of the privileged account:

```
$  LOGOUT
SYSTEM     logged out at 17-JAN-1990 11:15:00.00
```

Note that VMSINSTAL deletes or changes entries in the process symbol tables during the installation. Therefore, if you are going to continue using the system manager's account and you want to restore these symbols, you should log out and log in again.

2.3 Error Recovery

If errors occur during the installation procedure or when the IVP is running, VMSINSTAL displays failure messages. If the installation fails, you see the following message:

```
%VMSINSTAL-E-INSFAIL, The installation of PAGE V3.1 has failed.
```

If the IVP fails, you see these messages:

```
The PAGE V3.1 Installation Verification Procedure failed.

%VMSINSTAL-E-IVPFAIL, The IVP for PAGE V3.1 has failed.
```

Errors can occur during the installation if any of the following conditions exist:

- The operating system version is incorrect.
- A prerequisite software version is incorrect.
- Quotas necessary for successful installation are insufficient.
- Disk space is insufficient.
- System parameter values for successful installation are insufficient.
- The VMS help library is currently in use.
- The product license has not been registered and loaded.

For descriptions of the error messages generated by these conditions, see the VMS documentation on system messages, recovery procedures, and VMS software installation. If you are notified that any of these conditions exist, you should take the appropriate action as described in the message. You might need to change a system parameter or increase an authorized quota value. For information on installation requirements, see Chapter 1.

For descriptions of error messages generated by DECpage during the installation, see Appendix C.

\

3

After Installing DECpage

After installing DECpage, you need to perform the following tasks:

- Replace information data files
- Delete obsolete command procedures
- Integrate DECpage into WPS-PLUS or ALL-IN-1
- Create a DECpage account on ALL-IN-1
- Associate DECpage print queues with VMS print queues
- Associate additional DECpage batch queues with VMS batch queues
- Create a proxy account and proxy logins for remote printing and batch processing
- Modify the system startup procedure
- Modify certain style values
- Replace canned styles

This chapter describes how to perform these required procedures, as well as how to perform the following optional post-installation tasks:

- Install DECpage on a VAXcluster system
- Install multiple-language versions
- Reinstall DECpage
- Modify DECpage batch queue priorities
- Add logos to the system
- Convert LN03 logos to PostScript logos
- Upgrade the DECpage font package

- Perform post-installation procedures for VAX GKS graphics
- Change hyphenation exception dictionaries
- Assist users to modify their LOGIN.COM file for batch mode and to redefine the DECPAGE$GRAPHIC logical
- Run the Installation Verification Procedure separately

3.1 Replacing Information Data Files

If you have performed an update installation from DECpage Version 3.0, you might have saved some of the following files prior to the update (see Section 1.7.2):

BATCHQ.DAT
DEVICELST.DAT
TEMPLST.DAT
STYLELST.DAT

You must copy these files back to the directory from which you first copied them. You can check for these files in the following directories:

- For ALL-IN-1 systems, the directory OA$DATA_language or OA$SITE_DATA_language
- For WPS-PLUS systems, the directory ddcu:[WPSPLUS.DATA_language] or ddcu:[WPSPLUS.SITE_DATA_language]

For *language*, specify the language of your kit.

Note *You must replace these files before integrating DECpage into ALL-IN-1 or WPS-PLUS.*

3.2 Deleting Obsolete DECpage Command Procedures

If you have performed an update installation from a previous version of DECpage, there might be some obsolete command procedures on your system. Check the following directories:

- On ALL-IN-1 systems, the directory OA$LIB_LLV or OA$SITE_LIB_LLV
- On WPS-PLUS systems, the directory ddcu:[WPSPLUS.LIB_language] or ddcu:[WPSPLUS.SITE_LIB_language]

For *language*, specify the language of your kit.

If you find any of the following files in those directories, you must delete the files:

DECPAGEVM.COM
DECPMOD.COM

DECPR.COM
UPDATE_STY.COM

Note *You must delete these files before running DECpage.*

3.3 Integrating DECpage into WPS-PLUS or ALL-IN-1

After installation, you must integrate DECpage into WPS-PLUS or ALL-IN-1, as follows:

1. From the System Manager's account, invoke WPS-PLUS or ALL-IN-1.
2. At the WPS-PLUS Main Menu, or from ALL-IN-1, enter the following command:

   ```
   <VERSION
   ```

   The system displays the installed version.
3. Enter the command appropriate to the version on which you are layering DECpage, as follows:

Version	Command
WPS-PLUS Version 3.0	<DO START_DECPAGE:ON_WPS_30
WPS-PLUS Version 3.1	<DO START_DECPAGE:ON_WPS_31
ALL-IN-1 Version 2.3	<DO START_DECPAGE:ON_A1_23

If you have both WPS-PLUS and ALL-IN-1 on your system, you must run both script files.

The script file performs the following:

- Merges DECpage help to the help library
- Merges DECpage forms to the form library
- Copies some DECpage files to WPS-PLUS (ALL-IN-1) subdirectories
- Compiles an updated form library and .TXL file
- Reinstalls the updated .TXL file

The script file might generate some error messages:

- If the following error message is displayed, you must exit from WPS-PLUS or ALL-IN-1, reenter, and then rerun the script file:

  ```
  Form SCENT is not in the library
  ```

- If any other warning messages, such as the following, are displayed, you can ignore them:

```
no such (global) section
    .
    .
    .
No or empty directory . . .
```

4 Exit from WPS-PLUS or ALL-IN-1.

You are returned to the DCL prompt.

Note that the commands for integrating DECpage into WPS-PLUS or ALL-IN-1 apply to all DECpage installation kits, including any language variant of the product.

3.4 Creating a DECPAGE Account on ALL-IN-1

If DECpage has been integrated into the ALL-IN-1 system, you must create a separate DECPAGE account to be used by DECpage for sending users ALL-IN-1 mail containing information about the job status.

Use the following procedure to create a DECPAGE account on an ALL-IN-1 system:

1 From the ALL-IN-1 System Manager's Menu, select the Maintain User Accounts (MUA) option.

The Maintain User Accounts Menu is displayed.

2 Select the Create (C) option.

The Create Options submenu is displayed.

3 Select the Create New User (CU) option.

The Create New User form is displayed.

4 Enter DECPAGE in the Account Name field.

The Create a New Account form is displayed.

5 Fill in the fields as shown in the following example:

```
  ALL-IN-1 account details:
Account name:     DECPAGE
Account template: MAIN
Directory: DISK$:[DPAGE.A1]
Form libr:

  VMS account details:
Account name: DPAGE
VMS password:    {   password                    }
VMS retype:      {   password                    }
```

```
  User details:
Surname (last name): DECPAGE
Given name (first name): ALL-IN-1
Full initials:
Full name: ALL-IN-1 DECPAGE
```

Note *Notice that the VMS account name is different from the ALL-IN-1 account name.*

This information is batch processed. There is a waiting period before you are returned to the Maintain User Accounts Menu.

When the job is complete, you receive a VMS message that the account was created.

6 Edit the DECPAGE account. Under the VMS account details, set the Account name field to blank.

3.5 Associating DECpage Print Queues with VMS Print Queues

You must associate the printers used by DECpage with VMS queues. A printer can reside on a system other than the DECpage host system; that is, DECpage gives you remote printing. (Note that users cannot see the status of their jobs in a remote queue.) In the Device and Queue Association described in this section, the Printer Location field specifies the system on which the remote printer resides.

You need the SYSPRV privilege to perform this procedure.

To associate printers with VMS queues, use the following procedure:

1 Invoke WPS-PLUS.

2 Invoke the DECpage System Management option, a hidden option, by entering the following:

```
DP SM
```

3 Select the Device and Queue Association (DQ) option from the DECpage Menu.

DECpage displays the Device and Queue Association form.

4 Enter a name in the Name of Device field that will be easy for users to remember. This name must be a single word. For example:

```
LASER
```

Note *Names must be unique. If, for example, your site owns two laser printers, they cannot both be called LASER.*

5 DECpage asks whether you want to add, change, copy, delete, or inquire. Because you are adding a printer name, select the Add (A) option.

6 Enter the device type: LN03, LN03 PLUS, LN03R, LPS20, LPS40, or LPS40 Plus.

You can clear this field and enter GOLD L to see a list of default printers.

7 Enter the name of the associated VMS queue. For example:

```
LN03$PRINT:
```

8 Determine whether or not it is necessary to enter a node name:

- If the printer is serving a DECpage single-node host system, or a VAXcluster with DECpage installed on one of the cluster members, do not specify the name of the node where the printer resides. The (cluster) software locates it.
- If the printer is on a remote node that is not part of the cluster, enter the name of the node where the printer resides.

  If this remote node does not have DECpage installed, a form must be defined on that system for DECpage to use. The manager of the remote system should include the following command in a command procedure for execution at system startup:

  ```
  $ DEFINE/FORM DECPAGE 1103/STOCK=DEFAULT/NOWRAP/NOTRUNCATE -
  /LENGTH=63/WIDTH=80/MARGIN=(TOP=0,BOTTOM=0,LEFT=0,RIGHT=0)
  ```

  See Section 3.7 for the prerequisites for enabling remote printing.

You can follow these same steps to add another entry, or you can exit.

3.6 Associating Additional DECpage Batch Queues with VMS Batch Queues

DECpage establishes two batch queues during installation: DP_STANDARD and DP_PRIORITY. You can make additional queues available for DECpage use by using the Batch Queue (BQ) option on the System Manager Menu.

Note *DECpage establishes an interactive process with a queue name, ATTACHED. You cannot change this name.*

You need the SYSPRV privilege to perform the following procedure.

Redefine or add queues as follows:

1 Invoke WPS-PLUS.

2 Invoke the DECpage System Management option, a hidden option, by entering the following:

```
DP SM
```

3 Select the Batch Queue (BQ) option from the System Management Menu.

DECpage displays the Batch Queue Definitions form. The form has three fields that you are to fill in:

- Queue Name

  Specify the name for the DECpage batch queue that the user is to enter on the DECpage Format and Print form or Format and Print Selected Pages form. The two queue names supplied by DECpage are *Standard* and *Priority*.

- Batch Queue

  Specify the name of the VMS batch queue to be used for DECpage jobs that corresponds to the name specified in the Queue Name field.

  For the two batch queues created by the DECpage installation, those fields are already filled in with the names DP_STANDARD and DP_PRIORITY. For any additional VMS batch queue to be used for processing documents, fill in this field with a batch queue name such as SYS$BATCH.

- Server Node

  Leave this field blank if the specified VMS batch queue is defined on the DECpage single-node host system, or on any node member of the VAXcluster.

  If a remote VMS batch queue is to be used for processing DECpage documents, fill in the Server Node field with the name of the remote node where the specified VMS batch queue resides. For example, if DECpage jobs are to be processed on the remote node FARWY on the DP_PRIORITY batch queue, with the name FAR_PRIORITY associated with the queue, the completed Batch Queue entry form appears as follows:

```
      Batch Queue Definitions

   Queue Name:  FAR_PRIORITY
   Batch Queue: DP_PRIORITY
   Server Node: FARWY

Enter information and press RETURN
```

  Similarly, you could use FAR_STANDARD to indicate the remote batch queue DP_STANDARD on FARWY.

See Section 3.7 for the prerequisites for enabling remote batch processing.

3.6.1 Remote DECpage Jobs

When DECpage processing is done remotely, processing for both printing and previewing is done on the remote node. This section explains what happens during remote processing. The explanations assume the remote node name FARWY.

- Printing remote jobs

  The DECpage formatted document is printed on the remote node if you specify any printer serving FARWY in the Print Device To Use field. If you want to process on a remote node, but want to print on some printer serving the local node, you can specify the name of any printer serving the local node.

- Previewing remote jobs

  At the end of remote processing, the resulting .TMS and .PRE files are sent back to the local node to let the user use the R, PPD, or PFD option from the DECpage Preview Menu on the local node.

Note *Prior to performing any remote DECpage processing, be sure that DECpage is installed on the remote node.*

3.7 Prerequisites for Remote Printing and Batch Processing

With DECpage Version 3.1, you must explicitly state what users can have remote access to the server node. To enable remote printing or remote batch processing, you must perform the following steps on the remote server node:

1. Create a new VMS account, DECPAGEPROXY, setting your directory to SYS$SYSTEM and running AUTHORIZE, as follows:

```
$  SET DEFAULT SYS$SYSTEM
$  RUN AUTHORIZE
UAF>  ADD DECPAGEPROXY/PASSWORD=xxxxxx -
_UAF>  /UIC=[yyy,zzz]/DEVICE=ddcu: -
_UAF>  /DIRECTORY=[DECPAGEPROXY]/ACCOUNT=PROXY -
_UAF>  /NETWORK/BATCH
```

2. Add proxy logins, entering the following command at the Authorize Utility prompt (UAF>) for each user to whom you want to grant access. Then exit from the Authorize Utility.

```
UAF>  ADD/PROXY node::username DECPAGEPROXY/DEFAULT
UAF>  .
                .
                .
UAF>  EXIT
```

3 Create a user directory for the DECPAGEPROXY account by entering the following command at the DCL prompt:

```
$  CREATE/DIRECTORY/OWNER_UIC=[yyy,zzz] -
_$  /PROTECTION=W:RWE ddcu:[DECPAGEPROXY]
```

For more information about proxy logins, see the VMS System Management documentation subkit.

3.8 Modifying the System Startup Procedure

To make sure that DECpage starts properly after a system reboot, you must add the following line to the system startup procedure, SYS$STARTUP:SYSTARTUP_V5.COM:

```
$ @SYS$STARTUP:DECPAGE_STARTUP.COM
```

Be sure to place the DECpage startup line after the line that starts the queue manager.

3.9 Modifying Style Values

If the DECpage installation was an upgrade *from Version 2.1* (and *not* from Version 3.0), some of the style values must be modified. (See the *DECpage Style Designer's Guide* for information about using the User-Designed Styles (UDS) utility to modify styles.)

For all installations, including the U.S., make the following changes for the styles specified:

- All styles

  Change the logo width and depth values to 0 inches.

- Letter and Memo styles

  Change the width and depth values for top and bottom logos to 0, instead of 1, unless a customized logo was specified previously.

For all installations except the U.S., make the following changes for the styles specified:

- GEN2 style

  Change the body depth value for pages 1 and 2 to 50.6 picas, instead of 49.9 picas.

- M4 style

  Change the portrait page width to 49.0 picas, instead of 49.9 picas.

- RSP1 style

  Change the landscape page values to the following:

  – 35.1 picas for the page depth

- 49.0 picas for the page width
- 3.7 picas for the top crop mark
- 5.4 picas for the bottom crop mark

- T2 and T4 styles

  The relational size of the subscript and superscript characters might not appear to be correct for certain text elements (for example, paragraphs and headings). You can adjust the relational size by making slight modifications to the point size of the subscripts and superscripts for the particular text element. The change needed will be minimal.

3.10 Replacing Canned Styles

If you do not want to retain the modifications made to canned styles in previous versions of DECpage, you can retrieve the original DECpage Version 3.1 canned styles, as follows:

1. After the upgrade installation, copy the DECpage Version 3.1 canned styles directly from the kit to the DECPAGEUDSRESTORE area. Issue the following commands, based on your type of installation:

   - For U.S. installations:

     ```
     $  BACKUP/REPLACE/SELECT=*.RTS device_name:saveset_name.B -
     _$  /SAVE_SET DECPAGE$UDS$RESTORE:*.RTS
     $  BACKUP/REPLACE/SELECT=*.RTS device_name:saveset_name.C -
     _$  /SAVE_SET DECPAGE$UDS$RESTORE:*.RTS
     ```

   - For all installations except the U.S.:

     ```
     $  BACKUP/REPLACE/SELECT=*.RTS_A4A5 -
     _$  device_name:saveset_name.B -
     _$  /SAVE_SET DECPAGE$UDS$RESTORE:*.RTS
     $  BACKUP/REPLACE/SELECT=*.RTS_A4A5 -
     _$  device_name:saveset_name.C -
     _$  /SAVE_SET DECPAGE$UDS$RESTORE:*.RTS
     ```

2. On the UDS Main Menu, select the Restore (R) option.
3. On the Restore Styles submenu, specify ALL at the prompt for the style name to be restored.

3.11 Installing DECpage on a VAXcluster System

To install DECpage on any type of VAXcluster, you must first install DECpage on a system disk that is commonly shared among nodes in the cluster. Then perform the following procedure. You must perform steps 1, 3, and 4 on all other nodes on the cluster.

1 Run the startup command procedure, as follows:

```
$  @SYS$STARTUP:DECPAGE_STARTUP.COM
```

Include this command in the system startup file for each node on the cluster as well, as explained in Section 3.8.

2 Update the DCL tables, as follows:

- At the DCL prompt, enter the following command:

  ```
  $  INSTALL
  ```

- At the INSTALL> prompt, enter the following:

  ```
  INSTALL>  REPLACE SYS$LIBRARY:DCLTABLES.EXE
  INSTALL>  EXIT
  ```

3 Load and register your DECpage license under VMS:

- Log in to the SYSTEM account.
- Use one of the following two ways to perform the registration:
  - Invoke the SYS$UPDATE:VMSLICENSE.COM procedure. When prompted for information, respond with data from your Product Authorization Key (PAK).
  - At the DCL prompt, issue the LICENSE REGISTER command with the appropriate qualifiers that correspond to PAK information.

4 Run the WPS-PLUS or ALL-IN-1 command startup procedure. For example, to run the WPS-PLUS Version 3.0 startup command procedure, enter the folowing command:

```
$  @SYS$STARTUP:WPLSTART.COM ddcu:[WPSPLUS.DATA_SHARE]
```

5 Create additional DECpage print formatter queues.

If you have WPS-PLUS or ALL-IN-1 on the system, there is a template you can use to create additional DECpage print formatter queues.

- The template for WPS-PLUS is in the command procedure, WPSPLUS$SYSTEM:WPL$FORMATTER_START.COM.
- The template for ALL-IN-1 is in the command procedure, OA$BUILD:OA$FORMATTER_START.COM.

With the template, you can:

- Create execution queues on specific nodes of the cluster
- Create and start a cluster-wide generic queue from which jobs are moved to active execution queues
- Start execution queues on specific nodes of the cluster

The template creates execution queues on nodes called NODE1, NODE2, and NODE3, and a cluster-wide generic queue with the queues on NODE1, NODE2, and NODE3 as the target queues. Next it starts the execution queues on nodes NODE1 and NODE2 and on the cluster-wide generic queue. The execution queue on NODE3 is not started, but having been created, it is available to be started if the NODE1 or NODE2 execution queues are not available.

You can modify the template by adding your own node names in place of NODE1, NODE2, and NODE3 to the existing command lines, and by removing the EXIT line located before the template.

3.12 Installing Multiple-Language Versions of DECpage

With international versions of DECpage, you can install multiple-language variants on the same system. You need a separate DECpage kit for each language version you plan to install.

Note *The American version of DECpage does not support multiple-language installations.*

Each DECpage kit contains two language-dependent components: the user interface (UI) language and the style language. The DECpage *UI language* refers to the language of the DECpage forms, menus, message files, and so on. The DECpage *style language* refers to style-generated text, such as the text ''SLIDE'' in the transparency styles. The UI language and the style language are the same for each kit. For example, the German kit contains German forms and German styles; the French kit contains French forms and French styles.

Multiple-language installations of DECpage can exist in two different environments:

1. Single-language WPS-PLUS or ALL-IN-1 environment

   In this environment, with only one language variant of WPS-PLUS or ALL-IN-1 installed, you can install multiple-language variants of DECpage. Multiple-language installations of DECpage enable users to print documents using different style languages. (See Section 3.12.3 for information on changing DECpage style languages.) However, there can be only one DECpage UI language in this environment. That language is the system default that was current when DECpage was integrated into its host WPS-PLUS or ALL-IN-1 system. (See Section 3.12.1 for details about the system default language.)

2 Multiple-language WPS-PLUS or ALL-IN-1 environment

In this environment, with several language variants of WPS-PLUS or ALL-IN-1 installed on the same system, you can also install multiple-language variants of DECpage. The number of DECpage style languages is equal to the number of DECpage kits installed. The number of DECpage UI languages is equal to the number of WPS-PLUS and/or ALL-IN-1 variants installed; that is, there can be one DECpage UI language for each variant of WPS-PLUS or ALL-IN-1. Note that it is necessary to change the system default language to the appropriate value when you integrate multiple variants of DECpage into multiple host variants (see Section 3.12.1 for more information).

Table 3–1 lists the commands for determining current language values.

Table 3–1 Determining Language Values

To determine the language for:	Issue the following command:
WPS-PLUS	$ SHOW LOGICAL OA$DEFAULT_LANGUAGE - _$ /TABLE=WPL$SHARE_TABLE
ALL-IN-1	$ SHOW LOGICAL OA$DEFAULT_LANGUAGE
DECpage UI	$ SHOW LOGICAL DECPAGE$LANGUAGE
DECpage styles	$ SHOW LOGICAL DECPAGE$STYLE_LANGUAGE

3.12.1 Establishing a Multiple-Language Environment

Use the following procedure to establish a multiple-language environment:

1 Install all the desired language versions of WPS-PLUS or ALL-IN-1.

2 Install all the desired language versions of DECpage.

3 Establish the DECpage system default language by entering the following command at the DCL prompt:

```
$ @SET_DECPAGE:DEFAULT_LANGUAGE language SYSTEM
```

For *language*, specify the language to be set as the default. The language parameter must be the English word for the language. For example, you must specify SWEDISH, rather than SVENSKA. The language must be one of the following 11 languages supported by the installation procedure:

ENGLISH
DANISH
DUTCH
FINNISH
FRENCH

GERMAN
ITALIAN
NORWEGIAN
PORTUGUESE
SPANISH
SWEDISH

4 Invoke WPS-PLUS or ALL-IN-1 using the /LANGUAGE qualifier, specifying the same language as in step 3.

5 Integrate DECpage into WPS-PLUS or ALL-IN-1 (see Section 3.3 for the appropriate command).

Repeat steps 3 through 5 for each DECpage UI language to be established. Repeat step 3 one final time to establish the normal system default language for your system.

3.12.2 Resetting the User Default DECpage Language

Users who want to have a default language other than the system default can add the following line to their LOGIN.COM file:

```
$ @SET_DECPAGE:DEFAULT_LANGUAGE language
```

The *language* parameter is the English word for one of the 11 supported languages.

3.12.3 Changing the Style Language for Batch Jobs

From within WPS-PLUS or ALL-IN-1, the user can choose the style language of DECpage to be used for the next documents to be formatted. To set the style language to be used, the user must enter the following:

```
<COMMAND SET_DECPAGE:STYLE_LANGUAGE language
```

The *language* parameter is the English word for one of the 11 supported languages.

3.13 Reinstalling DECpage

If you make certain changes to your system after installing DECpage, you might be required to reinstall or reintegrate DECpage.

- You *must* reinstall if you move DECpage from one disk to another disk.
- You do not need to reinstall DECpage if you make any of the following changes:
  - Upgrade the font package from Basic to Complete
  - Add logos
  - Add printers

- Update WPS-PLUS
- Update ALL-IN-1

- If you update WPS-PLUS or ALL-IN-1, you must reintegrate DECpage.

To reinstall DECpage, follow the installation procedure described in Chapter 2. To reintegrate DECpage, follow the procedure described in Section 3.3.

3.14 Modifying DECpage Batch Queue Priorities

DECpage processes all jobs in the batch queues DP_STANDARD and DP_PRIORITY. You can control the impact DECpage has on your system by adjusting these queues.

Table 3–2 lists the default characteristics for the DECpage batch queues.

Table 3–2 Batch Queue Default Characteristics

Characteristic	DP_STANDARD	DP_PRIORITY
Priority	2	4
Job Limit	2	2

The base priority of the PRIORITY queue corresponds to the default priority of the user's process. (The priority for interactive users is usually set to 4 but can be altered with the AUTHORIZE Utility.)

The DECpage Format and Print form lists STANDARD as the default batch queue when a user submits a job. Unless DECpage jobs require immediate processing, Digital recommends that you encourage users to accept this default. DECpage jobs processed through the default queue will not slow down system response time for interactive users.

If you find that users are selecting the PRIORITY queue indiscriminately, you can take one of two actions:

1. Lower the PRIORITY queue job limit.

   As a first step, lower the job limit to 1 so that only a single DECpage process competes with interactive processes. Follow these steps at the DCL level to lower the job limit (the OPER privilege is required):

   ```
   $ STOP/QUEUE/NEXT DP_PRIORITY
   $ START/QUEUE/BATCH/JOB_LIMIT=1 DP_PRIORITY
   ```

2. Set the PRIORITY queue base priority to 3.

If you prefer that DECpage jobs never compete with interactive processes, you must lower the priority of the PRIORITY queue. This procedure closely resembles the steps necessary for lowering the job limit:

```
$  STOP/QUEUE/NEXT DP_PRIORITY
$  START/QUEUE/BATCH/BASE_PRIORITY=3 DP_PRIORITY
```

Lowering the priority might slow down some DECpage jobs.

Note *These changes stay in effect only until the next system reboot. To make them permanent, you must edit the DECPAGE_STARTUP.COM file in SYS$STARTUP: and change the JOB LIMIT and BASE PRIORITY qualifiers.*

3.15 Adding Logos to the System

Read this section if you have purchased any logos for use with DECpage.

DECpage can support up to 35 logos. Before they can be used, you must follow these steps:

1. Copy the file containing the logo to DECPAGE$UTILITY$SHARE, as follows:

   ```
   $  COPY/LOG logo-name.six DECPAGE$UTILITY$SHARE:*
   ```

2. Set the default to DECPAGE$UTILITY, as follows:

   ```
   $  SET DEFAULT DECPAGE$UTILITY$SHARE
   ```

3. Rename the file, as follows:

   ```
   $  RENAME logo-name.six DPLOGOn002SK00GG0001UZZZZ02F000.SIX
   ```

   Replace the letter *n* with a number from 1 to 9 or with a letter from A to Z. The number or letter must agree with the logo number or letter assigned by the manufacturer of the logo. DECpage uses the number, or letter, to refer to the logos.

3.16 Converting LN03 Logos to PostScript

To convert LN03 logos to PostScript, use the following procedure:

1. Make sure the logo file to be converted is in the directory from which the PPRINT command is issued.

2. Enter the following command:

   ```
   $  PPRINT/DEVICE=LN03/LOGO=n
   ```

   For *n*, specify a digit from 1 to 9 or a letter from A to Z that corresponds to the logo that is to be converted.

The result of the conversion is a file LOGOn.PS, where *n* is one of the digits from 1 to 9, or of the letters A to Z, corresponding to the logo converted.

Note *If the logo to be converted is empty, an error message tells you this, and DECpage creates an empty file of zero length.*

3.17 Upgrading the DECpage Font Package

To upgrade DECpage from the Basic to the Complete font package, use the following procedure:

1. Install the LN03 Office Upgrade font package according to the instructions provided with the upgrade.
2. Restore any styles you want to use, using the Restore (R) option on the UDS Main Menu.
3. Run the DECpage Installation Verification Procedure to make sure the new fonts were installed successfully, as follows:

   ```
   $  @SYS$TEST:PAGE$IVP_language.COM
   ```

   For *language*, specify the language of your kit, according to the following list:

   DANSK
   DEUTSCH
   ENGLISH
   ESPANOL
   FINSK
   FRANCAIS
   ITALIANO
   NEDERLANDS
   NORSK
   PORTUGUES
   SVENSKA

Note that the DECpage installation kit includes the style list files and Installation Verification Procedure command procedure for both the Complete and Basic font packages.

3.18 Making Modifications for VAX GKS Graphics

If VAX GKS is installed, you must modify the command procedure SYS$STARTUP:SYSTARTUP_V5.COM if you plan to include GKS graphic files for output with DECpage. To do this, add the following line after the GKSSTARTUP line in SYS$STARTUP:SYSTARTUP_V5.COM:

```
$ @SYS$MANAGER:DPGESTARTUP.COM
```

Note *DPGESTARTUP.COM must be executed after GKSSTARTUP.COM, which should be executed after DECPAGE_STARTUP.COM.*

3.19 Changing Hyphenation Exception Dictionaries

There are hyphenation exception dictionaries in the kit for each language. The file names of the exception dictionary files take the following form:

```
DECPAGE$CUS:language.TXT
```

Logicals that point to these files are defined in LNM$SYSTEM_TABLE. For example, in the logical DECPAGE$language_DICTIONARY, *language* is one of the following languages:

DANISH
DUTCH
ENGLISH
FINNISH
FRENCH
GERMAN
ITALIAN
NORWEGIAN
PORTUGUESE
SPANISH
SWEDISH

If a word in text is not hyphenated correctly, the user or system manager can add it to the appropriate dictionary file. For example, if French text shows the hyphenation *antis-corbutique*, you would add *anti=scor=bu=ti=que* to the dictionary file, DECPAGE$FRENCH_DICTIONARY.

You do not have to add entries to the file alphabetically, although an alphabetical organization makes the file easier to manage.

3.20 Modifying the Login File

The following sections describe modifications that users can make to their LOGIN.COM file.

3.20.1 Modifying the Login File for Batch Mode

DECpage works in batch mode. To avoid problems, Digital recommends that users enter the following line at the top of their LOGIN.COM file:

```
$ IF F$MODE() .EQS. "BATCH" THEN EXIT
```

3.20.2 Redefining the DECPAGE$GRAPHIC Logical

DECpage creates a logical name called DECPAGE$GRAPHIC during installation. This logical name equates to SYS$LOGIN. One way for a user to include a graphic in a DECpage document is to have the file containing the graphic reside in the default login directory.

If a user wants to store graphics in a different directory, DECPAGE$GRAPHIC must be changed so that it points to the new directory. The following command redefines the logical and should be placed in the user's LOGIN.COM file:

```
$ DEFINE DECPAGE$GRAPHIC device:[directory.subdirectory]
```

The DECPAGE$GRAPHIC logical can also be redefined to point to a login subdirectory with the clip art designations, with the following command:

```
$ DEFINE DECPAGE$GRAPHIC device:[directory.subdirectory], -
DECPAGE$CLIPART
```

It is not necessary to store all graphics files in the same directory. When including a graphic in a WPS-PLUS file, a user can also include a device or directory when specifying the name of the graphic file.

The definition of DECPAGE$GRAPHIC must be placed in the LOGIN.COM file where it will never be bypassed. Otherwise, DECPAGE$GRAPHIC will be defined incorrectly, and DECpage will be unable to find the graphic files and, as a result, will be unable to print them. For example, the definition must be placed before the following login statement:

```
$ IF F$MODE() .EQS. "BATCH" THEN EXIT
```

3.21 Running the Installation Verification Procedure Separately

When you run the Installation Verification Procedure (IVP) separately, you can specify either the long or the brief IVP. If you specify the default, the long IVP, DECpage prints the entire set of style samples. It can take over an hour for the IVP to print these samples. If you specify the brief IVP, DECpage runs the same IVP that is run during the installation and prints a representative set of style samples.

To run the default IVP, enter the following command at the DCL prompt:

```
$  @SYS$TEST:PAGE$IVP_language.COM
```

To run the brief IVP, enter the following command at the DCL prompt:

```
$  @SYS$TEST:PAGE$IVP_language.COM BRIEF
```

For *language*, specify the language of your kit, according to the following list:

DANSK
DEUTSCH

ENGLISH
ESPANOL
FINSK
FRANCAIS
ITALIANO
NEDERLANDS
NORSK
PORTUGUES
SVENSKA

The system prompts you for the printer queue name, device type, and if applicable, the font package. Then the IVP is printed on the selected printer.

3.22 Determining and Reporting Problems

If a problem occurs while you are using DECpage, 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 DECpage 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 an explanation of warranty. If a problem occurs during the warranty period, report the problem as indicated in the preceding list, or follow alternate instructions provided by Digital for reporting SPD nonconformance problems.

A

Sample Installation

This appendix contains a sample American installation of DECpage on VMS Version 5.2. If you are installing on another VMS version, some screen messages will vary slightly. The sample was run on a system that had no previous version of DECpage installed.

The sample installation assumes that no users are logged on to the system and that OPTIONS N is specified to print the release notes. The Installation Verification Procedure (IVP) runs at the end of the installation.

```
$  set default SYS$UPDATE RETURN
$  @vmsinstal page031 MFA0: options n RETURN

     VAX/VMS Software Product Installation Procedure V5.2

It is 17-JAN-1990 at 10:10.
Enter a question mark (?) at any time for help.

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

Please mount the first volume of the set on MFA0:.

* Are you ready?  YES RETURN

%MOUNT-I-MOUNTED, PAGE mounted on _MFA0:

The following products will be processed:

  PAGE V3.1

     Beginning installation of PAGE V3.1 at 10:11

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

    Release notes included with this kit are always copied to SYS$HELP.

    Additional Release Notes Options:

        1.  Display release notes
        2.  Print release notes
        3.  Both 1 and 2
        4.  None of the above
```

```
* Select option [2]:  RETURN
* Queue name [SYS$PRINT]:  RETURN
Job PAGE031 (queue SYS$PRINT, entry 5) started
%VMSINSTAL-I-RELMOVED , The product's release notes have been
successfully moved to SYS$HELP.
* Do you want to continue the installation [NO] ?:  YES RETURN

    +-----------------------------------------------------------------+
    |   Spelling Corrector licensed from Houghton Mifflin Company.    |
    |   English Copyright (c) 1987, 1985 by Houghton Mifflin Company, |
    |   German Copyright (c) 1985 by Houghton Mifflin Company.        |
    |   German Spelling Database Copyright (c) 1985 Langenscheidt KG. |
    |   All rights reserved, U.S. Pat. Nos. 4,580,241;4,7300,269; and |
    |   4,771,401; Canadian Pat. No. 1,203,916.                       |
    +-----------------------------------------------------------------+

    +-----------------------------------------------------------------+
    |        Licensed to Digital Equipment Corporation, Maynard       |
    |        Massachusetts Copyright (c) Studio Advertising Art       |
    |        1988. All rights reserved.                               |
    +-----------------------------------------------------------------+

* Press any key to continue [ ]:  RETURN

This is the DECpage V3.1 installation kit.

* Do you wish to continue [YES]?  RETURN

        Product:      DECPAGE
        Producer:     DEC
        Version:      3.1
        Release Date: 15-JAN-1990

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

DECpage requires that the following be present on your
system BEFORE installation:

        VAX/VMS Version 5.1 or higher

        WPS-PLUS/VMS Version 3.0 or higher, or
        any language variant, or
        ALL-IN-1 Version 2.3 or higher, or
        any language variant

        LN03 Office Fonts   (If you have an LN03 or LN03 PLUS)

You must also have one of the following laser printers:

        LPS20 (PrintServer 20)
        LPS40 Plus (PrintServer 40 Plus)
        LPS40 (PrintServer 40)
        LN03R (ScriptPrinter)
        LN03 PLUS (with two RAM cartridges)
        LN03 (with two RAM cartridges)

* Do you wish to continue [YES]?  RETURN
```

```
* Do you have an LN03 (PLUS) graphics printer [YES]?  YES RETURN
* Do you wish to run the IVP on this printer [NO]?  YES RETURN
* What is the LN03 queue name:  LN03 RETURN
* Do you have an LN03R PostScript graphics printer [NO]?  NO RETURN
* Do you have a PrintServer 20 PostScript graphics printer [NO]?  NO RETURN
* Do you have a PrintServer 40 (Plus) PostScript graphics printer [NO]?
                                                              NO RETURN

        What paper size will you be using?

        1) American (8 1/2 x 11)
        2) International (A4)

*  [1]:  RETURN

        This kit contains a library of Encapsulated PostScript(R)
        graphics.  Their total size is apporximately 3,000 blocks
        when they are copied to the DECpage clip art directory.

* Do you want these graphics copied to the clip art directory [YES]?  RETURN

        DECpage requires approximately 40,000 blocks of disk space during
        installation and 35,000 blocks of permanent disk space after the
        installation.

* Do you want the product files to reside on the system disk [YES]?  RETURN
* Target device is DUA0:. Is this correct [YES]?  RETURN
* Do you want to purge files replaced by this installation [YES]?  RETURN

        All questions have now been asked. The DECpage installation will
        continue on its own for some time (30 minutes - 1 hour).  At that
        point the DECpage IVP (if requested) will be run.

%VMSINSTAL-I-RESTORE, Restoring product saveset B...
%VMSINSTAL-I-RESTORE, Restoring product saveset C...
%PAGE-I-CREATEDIR, Creating DECpage directories on DDCU:
%PAGE-I-MOVE, Preparing DPGE files . . .
%PAGE-I-MOVE, Preparing CLIPART files . . .
%PAGE-I-MOVE, Preparing LOGO files . . .
%PAGE-I-MOVE, Preparing executable images . . .
%PAGE-I-MOVE, Preparing files for .CUS . . .
%PAGE-I-MOVE, Preparing files for .UDS . . .
%PAGE-I-MOVE, Preparing files for .IVP . . .
%PAGE-I-MOVE, Preparing files for .PTO . . .
%PAGE-I-MOVE, Preparing files for .TEO . . .
%PAGE-I-MOVE, Preparing files for .UTILITY . . .
%PAGE-I-MOVE, Preparing files for .INSTALL . . .
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target
                                                          directories...
Assigning logical names...
Starting DP_STANDARD queue...
Starting DP_PRIORITY queue...
Installing DECpage message file ...
Writing DECpage startup file in SYS$STARTUP...
Updating DECpage startup file in SYS$STARTUP...

                DECpage IVP beginning.

LN03 IVP beginning...
```

```
Processing document sample for style D1...

*****Translation of DECPAGE$IVP$LLV:D1.DX to DECPAGE$IVP$LLV:D1.XLT
                                                    is complete*****

%SIO-I-FILE_CREATED, File DUA0:[DECPAGE.IVP_ENGLISH]D1.TMS; successfully
                                                    created.
Job D1 (queue LN03, entry 697) started on LN03
Processing document sample for style GEN1...

*****Translation of DECPAGE$IVP$LLV:GEN1.DX to DECPAGE$IVP$LLV:GEN1.XLT
                                                    is complete*****

%SIO-I-FILE_CREATED, File DUA0:[DECPAGE.IVP_ENGLISH]GEN1.TMS;
                                                    successfully created.
Job GEN1 (queue LN03, entry 698) pending
     pending status caused by queue busy
Processing document sample for style LB1...

*****Translation of DECPAGE$IVP$LLV:LB1.DX to DECPAGE$IVP$LLV:LB1.XLT
                                                    is complete*****

%SIO-I-FILE_CREATED, File DUA0:[DECPAGE.IVP_ENGLISH]LB1.TMS;
                                                    successfully created.
Job LB1 (queue LN03, entry 700) pending
     pending status caused by queue busy
Processing document sample for style M1...

*****Translation of DECPAGE$IVP$LLV:M1.DX to DECPAGE$IVP$LLV:M1.XLT
                                                    is complete*****

%SIO-I-FILE_CREATED, File DUA0:[DECPAGE.IVP_ENGLISH]M1.TMS;
                                                    successfully created.
Job M1 (queue LN03, entry 701) pending
     pending status caused by queue busy
Processing document sample for style RB1...

*****Translation of DECPAGE$IVP$LLV:RB1.DX to DECPAGE$IVP$LLV:RB1.XLT
                                                    is complete*****

%SIO-I-FILE_CREATED, File DUA0:[DECPAGE.IVP_ENGLISH]RB1.TMS;
                                                    successfully created.
Job RB1 (queue LN03, entry 702) pending
     pending status caused by queue busy
Processing document sample for style T1...

*****Translation of DECPAGE$IVP$LLV:T1.DX to DECPAGE$IVP$LLV:T1.XLT
                                                    is complete*****

%SIO-I-FILE_CREATED, File DUA0:[DECPAGE.IVP_ENGLISH]T1.TMS;
                                                    successfully created.
Job T1 (queue LN03, entry 703) pending
     pending status caused by queue busy

LN03 GRAPHICS IVP beginning...

Processing document/graphic sample for style A1...

*****Translation of DECPAGE$IVP$LLV:A1.DXP to DECPAGE$IVP$LLV:A1.XLT
                                                    is complete*****
```

```
%SIO-I-FILE_CREATED, File DUA0:[DECPAGE.IVP_ENGLISH]A1.TMS;
                                                    successfully created.
Job A1 (queue LN03, entry 704) pending
     pending status caused by queue busy
Processing document sample for style NL1...

*****Translation of DECPAGE$IVP$LLV:NL1.DXP to DECPAGE$IVP$LLV:NL1.XLT
                                                    is complete*****

%SIO-I-FILE_CREATED, File DUA0:[DECPAGE.IVP_ENGLISH]NL1.TMS;
                                                    successfully created.
Job NL1 (queue LN03, entry 705) pending
     pending status caused by queue busy

DECpage Version 3.1 IVP completed successfully!

>>>>>  DECPAGE V3.1 HAS BEEN SUCCESSFULLY INSTALLED  <<<<<
                    ______________

        You must add the following line to SYS$STARTUP:SYSTARTUP_V5.COM:

                $ @SYS$STARTUP:DECPAGE_STARTUP.COM

        You must also add the following line to SYS$STARTUP:SYSTARTUP_V5.COM
        (immediately AFTER the call to GKSTARTUP.COM) if you plan to include
        GKS graphic files for output with DECpage:

                $ @SYSTARTUP:DPGESTARTUP.COM

** PLEASE NOTE THAT DPGESTARTUP.COM MUST BE EXECUTED AFTER GKSTARTUP.COM! **

        One last thing you must do is go into WPS-PLUS or ALL-IN-1 and
        install the DECpage forms by typing the appropriate command for
        your system at the main menu, such as:

        <DO START_DECPAGE:ON_WPS_30

        Installation of PAGE V3.1 completed at 11:13

        VMSINSTAL procedure done at 11:14
```

B

Files and Logical Names Installed on Your System

The DECpage installation procedure installs a number of files on your system and defines several logical names. Section B.1 lists the files the installation procedure installs. Section B.2 lists the logical names that are added to the system logical name table.

B.1 File Names

Table B–1 lists the names of all files the DECpage installation procedure installs on your system. The files are organized by directory. The files listed are from an American English installation. The file sizes might differ slightly for other language versions.

Table B–1 DECpage Files Installed

File Name	Block Size
Files in (DECPAGE); protection: (RWE, RWE, RE, RE)	
CLIPART_ENGLISH.DIR	2
CLIPART_SHARE.DIR	5
COPYRIGHT.TXT	5
CUS_ENGLISH.DIR[1]	6
CUS_SHARE.DIR[1]	3
EXE_ENGLISH.DIR	1

[1]The protection for these files is: (RWE, RWE, RE, RWE).

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE); protection: (RWE, RWE, RE, RE)	
EXE_SHARE.DIR	1
INSTALL_ENGLISH.DIR[1]	3
INSTALL_SHARE.DIR	1
IVP_ENGLISH.DIR[1]	3
IVP_SHARE.DIR	1
PTO_ENGLISH.DIR	1
PTO_SHARE.DIR	1
TEO_ENGLISH.DIR	1
TEO_SHARE.DIR	1
UDS_ENGLISH.DIR[1]	1
UDS_SHARE.DIR	1
UTILITY_ENGLISH.DIR	2
UTILITY_SHARE.DIR	7
Total of 19 files and 46 blocks.	
Files in (DECPAGE.CLIPART_ENGLISH); protection: (RWED, RWED, RWED, RE)	
AMERICAN.EPS	28
BENJAMIN.EPS	24
BUSINESS.EPS	12
COMPANYN.EPS	23
CRATEWIT.EPS	25
DOLLARS0.EPS	12
DOLLARSI.EPS	10
EAGLEDES.EPS	24
FORECAST.EPS	41
GEORGEWA.EPS	27
LOVESCRI.EPS	12

[1]The protection for these files is: (RWE, RWE, RE, RWE).

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.CLIPART_ENGLISH); protection: (RWED, RWED, RWED, RE)	
MAILBOXW.EPS	18
MEMOPENC.EPS	13
MERRYCHR.EPS	18
MOTHERS.EPS	32
ONEBILL.EPS	32
PROMOTIO.EPS	19
QUESTION.EPS	10
SAAMAILER.EPS	26
SALE.EPS	11
TAXILLUS.EPS	44
VOTESTAR.EPS	41
WELCOME.EPS	16
WETHEPEO.EPS	23
YOURINVI.EPS	23

Total of 25 files and 564 blocks.

Files in (DECPAGE.CLIPART_SHARE); protection: (RWED, RWED, RWED, RE)	
APPLE.EPS	27
ATOM.EPS	16
BALLCAP.EPS	12
BALLONS.EPS	16
BASEBALL.EPS	30
BEAR.EPS	20
BELLS.EPS	12
BIGTRUCK.EPS	20
BLUERIBB.EPS	14
BUTTERFL.EPS	19
CAKE.EPS	169

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.CLIPART_SHARE); protection: (RWED, RWED, RWED, RE)	
CANDLE.EPS	11
CAP_TASS.EPS	15
CARTOONM.EPS	15
CARTOONS.EPS	39
CASSETTE.EPS	22
CHRISTMA.EPS	74
CITYSKYL.EPS	41
COWBOYHA.EPS	8
DARTBOAR.EPS	17
EAGLE.EPS	16
EASTERBU.EPS	28
FEATHERP.EPS	16
FLOWER.EPS	11
FOOTBALL.EPS	10
GAVEL.EPS	12
GIFT.EPS	12
GLASSES.EPS	29
GROUGH-D.EPS	12
HAMBURGE.EPS	27
HANDSTOG.EPS	16
HEART_LA.EPS	300
HOURGLAS.EPS	16
HOUSE.EPS	15
ICECREAM.EPS	14
INTLBED.EPS	16
INTLGAS.EPS	13
INTLPLA.EPS	16
INTLRED.EPS	11
JET.EPS	38

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.CLIPART_SHARE); protection: (RWED, RWED, RWED, RE)	
KEY.EPS	13
KEYPAD.EPS	37
LIGHTBUL.EPS	11
LIGHTNIN.EPS	9
LOBSTER.EPS	33
LOCK.EPS	12
MICROPHO.EPS	47
MUSICB.EPS	10
NOSMOKIN.EPS	10
OLYMPICC.EPS	10
OPENBOOK.EPS	10
OWL.EPS	31
PARTYFAV.EPS	52
PENCIL.EPS	10
PENGUIN.EPS	12
POCKETWA.EPS	35
PUMPKIN.EPS	24
RAIN.EPS	21
ROSES.EPS	41
SCISSORS.EPS	11
SCRIPTLI.EPS	9
SCROLL.EPS	12
SHELLDES.EPS	20
STAROFDA.EPS	8
STAROUTL.EPS	8
SUNBURST.EPS	20
SUNGLASS.EPS	24
TELEPHON.EPS	13
TOYTRAIN.EPS	20

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.CLIPART_SHARE); protection: (RWED, RWED, RWED, RE)	
TROPHY.EPS	10
WHALE.EPS	23
WORLD.EPS	47
WREATH.EPS	158
WREATHLE.EPS	26

Total of 74 files and 2062 blocks.

Files in (DECPAGE.CUS_ENGLISH); protection: (RWED,RWED,RWED,RE)	
A1.RTS	28
A1.STY	1
A2.RTS	28
A2.STY	1
D1.RTS	34
D1.STY	1
D1LAND.RTS	34
D1LAND.STY	1
GEN1.RTS	28
GEN1.STY	1
GEN1LAND.RTS	28
GEN1LAND.STY	1
GEN2.RTS	28
GEN2.STY	1
LB1.RTS	46
LB1.STY	1
LB2.RTS	29
LB2.STY	1
LB3.RTS	29
LB3.STY	1

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.CUS_ENGLISH); protection: (RWED,RWED,RWED,RE)	
LMB1.RTS	29
LMB1.STY	1
LMB2.RTS	29
LMB2.STY	1
LMB3.RTS	29
LMB3.STY	1
LP1.RTS	29
LP1.STY	1
LP2.RTS	29
LP2.STY	1
LP3.RTS	29
LP3.STY	1
LP4.RTS	29
LP4.STY	1
M1.RTS	29
M1.STY	1
M2.RTS	29
M2.STY	1
M3.RTS	29
M3.STY	1
M4.RTS	29
M4.STY	1
NL1.RTS	29
NL1.STY	1
NL2.RTS	29
NL2.STY	1
RB1.RTS	44
RB1.STY	1
RB2.RTS	44

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.CUS_ENGLISH); protection: (RWED,RWED,RWED,RE)	
RB2.STY	1
RBTS1.RTS	44
RBTS1.STY	1
RC1.RTS	44
RC1.STY	1
RC2.RTS	44
RC2.STY	1
RC3.RTS	44
RC3.STY	1
RC4.RTS	44
RC4.STY	1
RSP1.RTS	44
RSP1.STY	1
RTC1.RTS	45
RTC1.STY	1
RTC2.RTS	45
RTC2.STY	1
RTC3.RTS	45
RTC3.STY	1
RTC4.RTS	45
RTC4.STY	1
RTC5.RTS	45
RTC5.STY	1
T1.RTS	28
T1.STY	1
T1LAND.RTS	28
T1LAND.STY	1
T2.RTS	28
T2.STY	1

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.CUS_ENGLISH); protection: (RWED,RWED,RWED,RE)	
T3.RTS	28
T3.STY	1
T4.RTS	28
T4.STY	1

Total of 82 files and 1447 blocks.

Files in (DECPAGE.CUS_SHARE); protection: (RWED,RWED,RWED,RE)	
BRITISH.TXT	1056
DANISH.TXT	2
DANISH_PREFIX.TXT	6
DIRECTORY.EXE	543
DUTCH.TXT	2
DUTCH_PREFIX.TXT	7
ENGLISH.TXT	1119
ENGLISH_PREFIX.TXT	6
FINNISH.TXT	2
FINNISH_PREFIX.TXT	6
FRENCH.TXT	3
FRENCH_PREFIX.TXT	6
GENERAL.EXE	515
GERMAN.TXT	784
GERMAN_PREFIX.TXT	16
ITALIAN.TXT	2
ITALIAN_PREFIX.TXT	6
LLV.TXT	2
LLV_PREFIX.TXT	6
NORWEGIAN.TXT	2
NORWEGIAN_PREFIX.TXT	6

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.CUS_SHARE); protection: (RWED,RWED,RWED,RE)	
PAGE.FDL	2
PORTUGUESE.TXT	2
PORTUGUESE_PREFIX.TXT	6
REPORT.EXE	1002
SPANISH.TXT	2
SPANISH_PREFIX.TXT	6
SWEDISH.TXT	2
SWEDISH_PREFIX.TXT	7
Total of 29 files and 5126 blocks.	
Files in (DECPAGE.EXE_ENGLISH); protection: (RWED,RWED,RWED,RE)	
TYPESET.EXE	216
Total of 1 file and 216 blocks.	
Files in (DECPAGE.EXE_SHARE); protection: (RWED,RWED,RWED,RE)	
GKSPS.EXE	14
PAGER.EXE	541
TRANSLATE.COM	16
UDS.EXE	210
UDSCONVERT.EXE	257
UDSPRINT.EXE	231
Total of 6 files and 1269 blocks.	
Files in (DECPAGE.INSTALL_ENGLISH); protection: (RWED,RWED,RWED,RE)	
BATCHQ.DAT	33
BOOKBLD_LOCAL.COM	16

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.INSTALL_ENGLISH); protection: (RWED,RWED,RWED,RE)	
BOOKBLD_SERVER.COM	16
CANNED_STYLELST.DAT	33
CLEANUP.COM	4
DECPA3.FRM	9
DECPAGE.COM	170
DECPAGE.SCP	16
DECPAGEVM.COM	4
DECPAGMGR.COM	4
DECPBS.COM	4
DECPDEL.SCP	5
DECPMOD.COM	5
DECPPR.COM	3
DECPREST.COM	10
DECPSBJ.SCP	3
DECPSPJ.SCP	3
DECPW3.FRM	9
DEVICELST.DAT	33
DPOPTLANG.DAT	11
DPOPTMODE.DAT	11
DPOPTSPEC.DAT	11
DPV30.FLB	67
DPV30HLPSRC.HLP	61
FILE_CHECK.COM	4
INSTALLATION_CLEANUP.COM	1
INSTALLDPUI.COM	18
ON_A1_23.COM	4
ON_A1_23.SCP	10
ON_WPS_30.COM	3
ON_WPS_30.SCP	10

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.INSTALL_ENGLISH); protection: (RWED,RWED,RWED,RE)	
ON_WPS_31.COM	3
ON_WPS_31.SCP	10
PORT.COM	2
PREVDELETE.SCP	7
PREVINDEX.COM	9
PREVSEL.COM	12
READPRE.COM	3
STYLELST.BAS	33
STYLELST.DAT	33
STYLELST.EXT	33
UDSPRTALL.COM	7
UPDATE_STY.COM	7
WPUDSSUP.COM	8

Total of 44 files and 758 blocks.

Files in (DECPAGE.INSTALL_SHARE); protection: (RWED,RWED,RWED,RE)	
DECPAGEFORM.CLD	24
DECPAGEFORM.EXE	18
DEFAULT_LANGUAGE.COM	4
DEFINE_LANGUAGE.COM	7
STYLE_LANGUAGE.COM	4
UDSPRTALL.SCP	4

Total of 6 files and 61 blocks.

Files in (DECPAGE.IVP_ENGLISH); protection: (RWED,RWED,RWED,RE)	
A1.DX	2
A1.DXP	3

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.IVP_ENGLISH); protection: (RWED,RWED,RWED,RE)	
A1.DXS	3
A2.DX	2
A2.DXP	3
A2.DXS	3
D1.DX	5
D1LAND.DX	5
GEN1.DX	3
GEN1LAND.DX	3
GEN2.DX	3
INSTALIVP.COM	28
LB1.DX	3
LB2.DX	3
LB3.DX	3
LMB1.DX	3
LMB2.DX	3
LMB3.DX	3
LP1.DX	4
LP2.DX	4
LP3.DX	4
LP4.DX	4
M1.DX	4
M2.DX	4
M3.DX	4
M4.DX	4
NL1.DX	5
NL1.DXP	6
NL1.DXS	6
NL2.DX	5
RB1.DX	16

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.IVP_ENGLISH); protection: (RWED,RWED,RWED,RE)	
RB2.DX	16
RBTS1.DX	16
RC1.DX	16
RC2.DX	16
RC3.DX	16
RC4.DX	16
RSP1.DX	16
RTC1.DX	16
RTC2.DX	16
RTC3.DX	16
RTC4.DX	16
RTC5.DX	16
T1.DX	2
T1LAND.DX	2
T2.DX	3
T3.DX	2
T4.DX	3

Total of 48 files and 355 blocks.

Files in (DECPAGE.IVP_SHARE); protection: (RWED,RWED,RWED,RE)	
IVPNOQ.COM	6
STOCK.GRO	14
STOCK.PS	88
STOCK.SLS	9

Total of 4 files and 117 blocks.

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.PTO_SHARE); protection: (RWED,RWED,RWED,RE)	
A.PTO	70
D.PTO	97
DLAND.PTO	97
GEN.PTO	70
GENLAND.PTO	70
LB1.PTO	74
M.PTO	74
NL.PTO	81
RB.PTO	157
RBTS.PTO	157
RC.PTO	157
RTC.PTO	172
T.PTO	77
TLAND.PTO	77

Total of 14 files and 1430 blocks.

Files in (DECPAGE.TEO_SHARE); protection: (RWED,RWED,RWED,RE)	
A1.TEO	506
A2.TEO	506
D1.TEO	547
GEN1.TEO	506
GEN1LAND.TEO	506
GEN2.TEO	506
LB1.TEO	538
LMB1.TEO	538
LMB2.TEO	538
LP1.TEO	538
M1.TEO	534

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.TEO_SHARE); protection: (RWED,RWED,RWED,RE)	
M2.TEO	534
NL1.TEO	507
NL2.TEO	501
RB1.TEO	664
RBTS1.TEO	664
RC1.TEO	664
RSP1.TEO	664
RTC1.TEO	664
T1.TEO	507
T2.TEO	507
Total of 21 files and 11639 blocks.	
Files in (DECPAGE.UDS_ENGLISH); protection: (RWED,RWED,RWED,RWE)	
ATTRIBUTES1.DAT	47
ATTRIBUTES2.DAT	47
ATTRIBUTES3.DAT	47
ATTRIBUTES4.DAT	47
ATTRIBUTES5.DAT	47
ATTRIBUTES6.DAT	47
ATTRIBUTES7.DAT	47
ATTRIBUTES8.DAT	47
ATTRIBUTES9.DAT	47
CS.MSG	5

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UDS_ENGLISH); protection: (RWED,RWED,RWED,RWE)	
RESTORE.DIR[1]	6
UDS.MSG	95
WORK.DIR[1]	6
Total of 13 files and 535 blocks.	
Files in (DECPAGE.UDS_ENGLISH.RESTORE); protection: (RWED,RWED,RWED,RE)	
A1.RTS	28
A1.STY	1
A2.RTS	28
A2.STY	1
D1.RTS	34
D1.STY	1
D1LAND.RTS	34
D1LAND.STY	1
GEN1.RTS	28
GEN1.STY	1
GEN1LAND.RTS	28
GEN1LAND.STY	1
GEN2.RTS	28
GEN2.STY	1
LB1.RTS	46
LB1.STY	1
LB2.RTS	29
LB2.STY	1
LB3.RTS	29
LB3.STY	1
LMB1.RTS	29

[1]The protection for these files is: (RWE, RWE, RE, RWE).

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UDS_ENGLISH.RESTORE); protection: (RWED,RWED,RWED,RE)	
LMB1.STY	1
LMB2.RTS	29
LMB2.STY	1
LMB3.RTS	29
LMB3.STY	1
LP1.RTS	29
LP1.STY	1
LP2.RTS	29
LP2.STY	1
LP3.RTS	29
LP3.STY	1
LP4.RTS	29
LP4.STY	1
M1.RTS	29
M1.STY	1
M2.RTS	29
M2.STY	1
M3.RTS	29
M3.STY	1
M4.RTS	29
M4.STY	1
NL1.RTS	29
NL1.STY	1
NL2.RTS	29
NL2.STY	1
RB1.RTS	44
RB1.STY	1
RB2.RTS	44
RB2.STY	1

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UDS_ENGLISH.RESTORE); protection: (RWED,RWED,RWED,RE)	
RBTS1.RTS	44
RBTS1.STY	1
RC1.RTS	44
RC1.STY	1
RC2.RTS	44
RC2.STY	1
RC3.RTS	44
RC3.STY	1
RC4.RTS	44
RC4.STY	1
RSP1.RTS	44
RSP1.STY	1
RTC1.RTS	45
RTC1.STY	1
RTC2.RTS	45
RTC2.STY	1
RTC3.RTS	45
RTC3.STY	1
RTC4.RTS	45
RTC4.STY	1
RTC5.RTS	45
RTC5.STY	1
T1.RTS	28
T1.STY	1
T1LAND.RTS	28
T1LAND.STY	1
T2.RTS	28
T2.STY	1
T3.RTS	28

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UDS_ENGLISH.RESTORE); protection: (RWED,RWED,RWED,RE)	
T3.STY	1
T4.RTS	28
T4.STY	1

Total of 82 files and 1447 blocks.

Files in (DECPAGE.UDS_ENGLISH.WORK); protection: (RWED,RWED,RWED,RWE)	
A1.RTS	28
A1.STY	1
A2.RTS	28
A2.STY	1
D1.RTS	34
D1.STY	1
D1LAND.RTS	34
D1LAND.STY	1
GEN1.RTS	28
GEN1.STY	1
GEN1LAND.RTS	28
GEN1LAND.STY	1
GEN2.RTS	28
GEN2.STY	1
LB1.RTS	46
LB1.STY	1
LB2.RTS	29
LB2.STY	1
LB3.RTS	29
LB3.STY	1
LMB1.RTS	29
LMB1.STY	1

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UDS_ENGLISH.WORK); protection: (RWED,RWED,RWED,RWE)	
LMB2.RTS	29
LMB2.STY	1
LMB3.RTS	29
LMB3.STY	1
LP1.RTS	29
LP1.STY	1
LP2.RTS	29
LP2.STY	1
LP3.RTS	29
LP3.STY	1
LP4.RTS	29
LP4.STY	1
M1.RTS	29
M1.STY	1
M2.RTS	29
M2.STY	1
M3.RTS	29
M3.STY	1
M4.RTS	29
M4.STY	1
NL1.RTS	29
NL1.STY	1
NL2.RTS	29
NL2.STY	1
RB1.RTS	44
RB1.STY	1
RB2.RTS	44
RB2.STY	1
RBTS1.RTS	44

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UDS_ENGLISH.WORK); protection: (RWED,RWED,RWED,RWE)	
RBTS1.STY	1
RC1.RTS	44
RC1.STY	1
RC2.RTS	44
RC2.STY	1
RC3.RTS	44
RC3.STY	1
RC4.RTS	44
RC4.STY	1
RSP1.RTS	44
RSP1.STY	1
RTC1.RTS	45
RTC1.STY	1
RTC2.RTS	45
RTC2.STY	1
RTC3.RTS	45
RTC3.STY	1
RTC4.RTS	45
RTC4.STY	1
RTC5.RTS	45
RTC5.STY	1
T1.RTS	28
T1.STY	1
T1LAND.RTS	28
T1LAND.STY	1
T2.RTS	28
T2.STY	1
T3.RTS	28

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UDS_ENGLISH.WORK); protection: (RWED,RWED,RWED,RWE)	
T3.STY	1
T4.RTS	28
T4.STY	1
Total of 82 files and 1447 blocks.	
Files in (DECPAGE.UDS_SHARE); protection: (RWED,RWED,RWED,RE)	
DECP.FDL	1
MENU.DAT	72
SYMBOL.DAT	30
Total of 3 files and 103 blocks.	
Files in (DECPAGE.UTILITY_ENGLISH); protection: (RWED,RWED,RWED,RE)	
LOGOA.PS	7
LOGOB.PS	7
LOGOC.PS	7
LOGOD.PS	7
LOGOE.PS	7
LOGOF.PS	7
LOGOG.PS	4
LOGOH.PS	4
LOGOI.PS	4
LOGOJ.PS	4
LOGOK.PS	4
LOGOL.PS	4
LOGOM.PS	4
LOGON.PS	4
LOGOO.PS	4

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UTILITY_ENGLISH); protection: (RWED,RWED,RWED,RE)	
LOGOP.PS	4
LOGOQ.PS	4
LOGOR.PS	4
LOGOS.PS	4
LOGOT.PS	4
LOGOU.PS	4
LOGOV.PS	4
LOGOW.PS	1
LOGOX.PS	1
LOGOY.PS	1
LOGOZ.PS	1
Total of 26 files and 110 blocks.	
Files in (DECPAGE.UTILITY_SHARE); protection: (RWED,RWED,RWED,RE)	
DPLOGO1002SK00GG0001UZZZZ02F000.SIX	3
DPLOGO2002SK00GG0001UZZZZ02F000.SIX	3
DPLOGO3002SK00GG0001UZZZZ02F000.SIX	3
DPLOGO4002SK00GG0001UZZZZ02F000.SIX	3
DPLOGO5002SK00GG0001UZZZZ02F000.SIX	3
DPLOGO6002SK00GG0001UZZZZ02F000.SIX	3
DPLOGO7002SK00GG0001UZZZZ02F000.SIX	3
DPLOGO8002SK00GG0001UZZZZ02F000.SIX	3
DPLOGO9002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOA002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOB002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOC002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOD002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOE002SK00GG0001UZZZZ02F000.SIX	3

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UTILITY_SHARE); protection: (RWED,RWED,RWED,RE)	
DPLOGOF002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOG002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOH002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOI002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOJ002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOK002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOL002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOM002SK00GG0001UZZZZ02F000.SIX	3
DPLOGON002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOO002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOP002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOQ002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOR002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOS002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOT002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOU002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOV002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOW002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOX002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOY002SK00GG0001UZZZZ02F000.SIX	3
DPLOGOZ002SK00GG0001UZZZZ02F000.SIX	3
LN02.FFO	436
LN03.FFO	665
LOGO1.PS	1
LOGO2.PS	1
LOGO3.PS	1
LOGO4.PS	1
LOGO5.PS	1
LOGO6.PS	1

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in (DECPAGE.UTILITY_SHARE); protection: (RWED,RWED,RWED,RE)	
LOGO7.PS	1
LOGO8.PS	1
LOGO9.PS	1
Total of 46 files and 1215 blocks.	
Files in SYS$COMMON:(SYSMGR); protection: (RWED,RWED,RWED,RE)	
DECPAGE_STARTUP.COM	17
DPGESTARTUP.COM	9
Total of 2 files and 26 blocks.	
Files in SYS$COMMON:(SYSEXE); protection: (RWED,RWED,RWED,RE)	
DECPAGE.CLD	11
DPGE.CLD	3
DPGE.EXE	21
TRANBUILD.CLD	1
Total of 4 files and 36 blocks.	
Files in SYS$COMMON:(SYSHLP); protection: (RWED,RWED,RWED,RE)	
PAGE031.RELEASE_NOTES	9
Total of 1 file and 9 blocks.	
Files in SYS$COMMON:(SYSLIB); protection: (RWED,RWED,RWED,RE)	
DCLTABLES.EXE	617
DPGE$GKS_SIXEL_DEV_HANDLER.EXE	18

(continued on next page)

Table B–1 (Cont.) DECpage Files Installed

File Name	Block Size
Files in SYS$COMMON:(SYSLIB); protection: (RWED,RWED,RWED,RE)	
Total of 2 files and 635 blocks.	
Files in SYS$SYSROOT:(SYSMSG); protection: (RWED,RWED,RWED,RE)	
DOVMSG_ENGLISH.EXE	109
DOVMSG_ENGLISH.OLB	124
DPGE$MESSAGE.EXE	6
Total of 3 files and 239 blocks.	
Files in SYS$SYSROOT:(SYSTEST); protection: (RWED,RWED,RWED,RE)	
PAGE$IVP_ENGLISH.COM	28
Total of 1 file and 28 blocks.	

B.2 Logical Names

The following is a list of all the logical names the DECpage installation procedure adds to the system logical name table. These names are stored in the startup file, DECPAGE_STARTUP.COM. They are automatically entered into the system logical name table when the system is rebooted.

DECPAGE$BRITISH_EXCEPTION_FILE
DECPAGE$CLIPART
DECPAGE$CLIPART$LLV
DECPAGE$CLIPART$SHARE
DECPAGE$CUS
DECPAGECUSLLV
DECPAGECUSSHARE
DECPAGE$DANISH_DDATA
DECPAGE$DANISH_DICTIONARY
DECPAGE$DANISH_PREFIX_DATA
DECPAGE$DANISH_PREFIX_LIST
DECPAGE$DUTCH_DDATA
DECPAGE$DUTCH_DICTIONARY
DECPAGE$DUTCH_PREFIX_DATA
DECPAGE$DUTCH_PREFIX_LIST
DECPAGE$ENGLISH_DDATA

DECPAGE$ENGLISH_DICTIONARY
DECPAGE$ENGLISH_DISK
DECPAGE$ENGLISH_EXCEPTION_FILE
DECPAGE$ENGLISH_PREFIX_DATA
DECPAGE$ENGLISH_PREFIX_LIST
DECPAGE$EXE
DECPAGEEXELLV
DECPAGEEXESHARE
DECPAGE$FINNISH_DDATA
DECPAGE$FINNISH_DICTIONARY
DECPAGE$FINNISH_PREFIX_DATA
DECPAGE$FINNISH_PREFIX_LIST
DECPAGE$FRENCH_DDATA
DECPAGE$FRENCH_DICTIONARY
DECPAGE$FRENCH_PREFIX_DATA
DECPAGE$FRENCH_PREFIX_LIST
DECPAGE$GERMAN_DDATA
DECPAGE$GERMAN_DICTIONARY
DECPAGE$GERMAN_EXCEPTION_FILE
DECPAGE$GERMAN_PREFIX_DATA
DECPAGE$GERMAN_PREFIX_LIST
DECPAGE$GRAPHIC
DECPAGE$INSTALL
DECPAGE$INSTALL$LLV
DECPAGE$INSTALL$SHARE
DECPAGE$ITALIAN_DDATA
DECPAGE$ITALIAN_DICTIONARY
DECPAGE$ITALIAN_PREFIX_DATA
DECPAGE$ITALIAN_PREFIX_LIST
DECPAGE$IVP
DECPAGEIVPLLV
DECPAGEIVPSHARE
DECPAGE$LLV_DDATA
DECPAGE$LLV_DICTIONARY
DECPAGE$LLV_PREFIX_DATA
DECPAGE$LLV_PREFIX_LIST
DECPAGE$NORWEGIAN_DDATA
DECPAGE$NORWEGIAN_DICTIONARY
DECPAGE$NORWEGIAN_PREFIX_DATA
DECPAGE$NORWEGIAN_PREFIX_LIST
DECPAGE$PORTUGUESE_DDATA
DECPAGE$PORTUGUESE_DICTIONARY
DECPAGE$PORTUGUESE_PREFIX_DATA
DECPAGE$PORTUGUESE_PREFIX_LIST
DECPAGE$PTO

DECPAGEPTOLLV
DECPAGEPTOSHARE
DECPAGERTSSOURCE
DECPAGE$SPANISH_DDATA
DECPAGE$SPANISH_DICTIONARY
DECPAGE$SPANISH_PREFIX_DATA
DECPAGE$SPANISH_PREFIX_LIST
DECPAGE$STYLE_LANGUAGE
DECPAGE$SWEDISH_DDATA
DECPAGE$SWEDISH_DICTIONARY
DECPAGE$SWEDISH_PREFIX_DATA
DECPAGE$SWEDISH_PREFIX_LIST
DECPAGE$TEO
DECPAGETEOLLV
DECPAGETEOSHARE
DECPAGE$UDS
DECPAGEUDSLLV
DECPAGEUDSMSG
DECPAGEUDSRESTORE
DECPAGEUDSSHARE
DECPAGEUDSWORK
DECPAGE$UFFO$LN03
DECPAGE$UFFO$LN03P
DECPAGE$UFFO$LN03R
DECPAGE$UFFO$LPS20
DECPAGE$UFFO$LPS40
DECPAGE$UTILITY
DECPAGE$UTILITY$LLV
DECPAGE$UTILITY$SHARE

C

Error Messages During Installation

This appendix explains the error messages that can be generated by DECpage during the installation procedure.

%PAGE-E-BADREQ, You do not have the necessary requirements for DECpage.

Explanation: You answered NO to the prerequisites query.

User Action: Follow the pre-installation procedures (see Chapter 1), and start the installation again.

%PAGE-E-NOFONTS, You do not have the LN03 fonts.

Explanation: You specified that you have an LN03 or LN03 PLUS laser printer, but the fonts for the printer are not on the system.

User Action: Install the LN03 fonts, and start the installation again.

%PAGE-E-NOFONTS, You are missing some required LN03 fonts.

Explanation: You specified that you have an LN03 or LN03 PLUS laser printer, but not all of the minimum necessary fonts are present on the system.

User Action: Install the missing fonts, and start the installation again.

%PAGE-W-BADDEV, Invalid device.

Explanation: You specified a bad device name for the target device. The installation procedure asks for the target device again.

User Action: Specify a valid device name for the installation to proceed.

%PAGE-E-NOSPACE, You do not have enough room on the target device.

Explanation: There is insufficient space on the target disk for DECpage to be installed successfully.

User Action: Start the installation again after verifying that there is sufficient space on the intended target disk. See Chapter 1 for the amount of disk space the installation requires.

%PAGE-E-NOFONTS, You do not have any of the required font packages installed.

Explanation: You specified that you have an LN03 or LN03 PLUS laser printer, but there are no font packages for any printers on the system.

User Action: Install the appropriate fonts for the desired printer, and start the installation again.

%PAGE-E-BADVMS, This kit requires version 5.1 or higher of VMS.

Explanation: The version of VMS on the system is not the minimum Version 5.1.

User Action: Your system must be upgraded to the minimum version of VMS before you can install DECpage.

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