VAX DOCUMENT Installation Guide

Order Number: AA–JT87D–TE

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This document describes how to install VAX DOCUMENT Version 2.0 on the VMS operating system. It also explains how to read the online release notes before or after installing the product. This product applies to VAX DOCUMENT Version 2.0 and all maintenance updates throughout that version.

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Preface

This document describes how to install VAX DOCUMENT Version 2.0 on the VMS operating system. This document applies to VAX DOCUMENT Version 2.0 and all maintenance updates in that version. A major version number is represented by the digits to the left of the decimal point, and the maintenance update number is indicated by the digits to the right of the decimal point.

Keep this document with your distribution kit. You will need it to install maintenance updates or to reinstall VAX DOCUMENT.

At the back of this document are two Reader's Comments forms. If you have any comments about this document, fill out one form and mail it; your comments will be considered for the next revision of the installation guide.

This installation procedure is described step-by-step and is, for the most part, self-explanitory. The system prompts you to answer questions and to change volumes, and waits for you to tell it to continue.

Default replies to installation queries appear in brackets ([ ]) throughout the installation procedure.

Intended Audience

If you are responsible for installing and maintaining VAX DOCUMENT, review this manual before beginning the installation procedure.

To install VAX DOCUMENT, you must have access to a privileged account.

Related Manuals

For additional information on installing VAX DOCUMENT Version 2.0, refer to the VMS system documentation on these topics:

- VMSINSTAL procedure
- INSTALL utility
- System management and operations

Structure

This manual consists of three chapters and two appendixes:

Chapter 1	Provides information about preparing for the installation.
Chapter 2	Presents a detailed walk-through of the installation procedure.
Chapter 3	Contains information on post-installation considerations.
Appendix A	Contains a sample of the installation procedure.
Appendix B	Contains a list of files, directories, and logical names installed on your system.

Conventions

This manual uses the following conventions:

Color	Color in examples shows user input.
$	The dollar sign represents the VMS system prompt. This symbol indicates that the VMS command interpreter is ready for input.
[ ]	Default replies to installation queries appear in brackets throughout the installation procedure.
. . .	A vertical ellipsis in an example means that information not directly related to the example has been omitted.

Chapter 1

Preparing to Install VAX DOCUMENT

This chapter discusses the preparations and requirements necessary for installing VAX DOCUMENT Version 2.0.

This manual applies to Version 2.0 of VAX DOCUMENT and all subsequent maintenance releases up to the next major product release.

NOTE

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 VMS System Management Subkit.

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 you find that parts of it are missing, contact your DIGITAL representative.

VAX DOCUMENT provides release notes on line and in hard copy. The online release notes are the most current. You can read the release notes before you install VAX DOCUMENT and at any time after the product is installed. DIGITAL strongly recommends that you read the release notes before proceeding with the installation. For information on accessing the online release notes, see step 4 in Chapter 2.

Required Operating System Components

The VMS operating system comes with a variety of support options, or classes. Classes include such features as networking and RMS journaling.

For a complete list of the required classes, see the Software Support Addendum (SSA), which comes with the Software Product Description (SPD).

Prerequisite and Optional Software

Please refer to 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).

License Registration

You must register the VAX DOCUMENT 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 VAX DOCUMENT. The PAK is a paper certificate that contains information about the license you have to run a particular piece of software.

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

To register a license under VMS, first log in to the system manager's account, SYSTEM. You then have a choice of two ways to perform the registration:

- Invoke the SYS$UPDATE:VMSLICENSE.COM procedure. When it prompts you 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.

If you plan to use VAX DOCUMENT 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 Installing VAX DOCUMENT on a VAXcluster in Chapter 2.

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

Installation Procedure Requirements

The following sections discuss various requirements for installing VAX DOCUMENT.

Time

The installation and running the IVP takes approximately 50 to 100 minutes, depending on your type of media and your system configuration.

Privileges

To install VAX DOCUMENT, you must be logged in to an account that has SETPRV or at least the following privileges:

- CMKRNL
- WORLD
- SYSPRV
- 40,000 blocks of free disk space, minimum, during installation, and 26,600 blocks of disk space after installation

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

Disk Space

Installing VAX DOCUMENT requires a certain amount of disk storage space during the installation. Once VAX DOCUMENT is installed, less storage space is required. The space requirements are specified in the following table.

Table 1–1: Space Requirements on System and Target Disks

Feature	Temporary Blocks Required on System Disk During Installation	Permanent Blocks Required on System Disk After Installation	Permanent Blocks Required on Target Disk After Installation
DOCUMENT software	13750	750	13000
SDML/LSE support	X† + 740	740	0
LINE support	0	0	0
LN03 support	325	0	325
POSTSCRIPT support	1500	0	1500

†X is the size of your current Language-Sensitive Editor (LSE) environment file (SYS$LIBRARY:LSE$SYSTEM_ENVIRONMENT.ENV).

Most of the files are stored in a directory tree called [DOC$TOOLS...] on the device and directory that you specify. A system-wide logical name, DOC$ROOT, is created to refer to this directory tree.

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
```

User Account Privileges and Quotas

To use VAX DOCUMENT, each account must have TMPMBX and NETMBX privileges and the following minimum quotas:

Open file quota (FILLM) 30

Page file quota (PGFLQUOTA)	25,000
AST limit (ASTLM)	24
Buffered I/O count limit (BIOLM)	18
Buffered I/O byte limit (BYTLM)	18,000
Direct I/O quota (DIOLM)	18
Enqueue quota (ENQLM)	30

NOTE

An open file limit (FILLM) value of 20 is adequate only for the installation of VAX DOCUMENT. The FILLM value must be 30 or greater in order to run VAX DOCUMENT after installation and to execute the Installation Verification Procedure (IVP) (which runs VAX DOCUMENT). DIGITAL recommends that you increase your FILLM value to 30 so the IVP can be executed as part of the installation procedure.

A page file quota (PGFLQUOTA) of 10,000 is adequate for only the installation of VAX DOCUMENT. The PGFLQUOTA value must be 25,000 or greater to run VAX DOCUMENT after installation and to execute the IVP (which runs VAX DOCUMENT). DIGITAL recommends that you increase your PGFLQUOTA value to 25,000 so the IVP can be executed as part of the installation procedure.

You can check the limits set for your process by executing the following command:

```
$ SHOW PROCESS/QUOTAS
```

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

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

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

```
UAF> SHOW SMITH
```

To change a quota, use the MODIFY command. MODIFY has the following format:

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

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

```
UAF> MODIFY SMITH /FILLM=30
UAF> EXIT
```

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

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

Chapter 2

Installing VAX DOCUMENT

This chapter explains how to install VAX DOCUMENT Version 2.0 using VMSINSTAL, a command procedure that installs VAX DOCUMENT.

Installation Procedure

The following sections describe each step of the installation procedure. Once you invoke VMSINSTAL in step 2, you can enter a question mark at any time for help.

A default response appears in brackets throughout the installation procedure; for example, [YES]. If you want to give the default response, press the RETURN key.

To abort the installation procedure at any time, press CTRL/Y. If you press CTRL/Y, the installation procedure deletes all files it has created up to that point and returns you to DCL level. If you want to retry the installation procedure after pressing CTRL/Y, you must proceed from step 2.

Installation Steps

The following steps lead you through the installation procedure:

Step 1: Log in to a privileged account and set your default device and directory to SYS$UPDATE.

```
Username: SYSTEM   RETURN
Password:          RETURN
$ SET DEFAULT SYS$UPDATE  RETURN
```

Step 2: Invoke VMSINSTAL.

When you invoke VMSINSTAL, it checks the following:

- Whether you have set your default device and directory to SYS$UPDATE
- Whether you are logged in to a privileged account
- Whether you have adequate quotas for installation
- Whether DECnet is running
- Whether any users are logged in to the system

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 or press RETURN. Then correct the problem and restart the installation.

To invoke VMSINSTAL, go to the directory SYS$UPDATE and type the following command:

```
$ @VMSINSTAL DOC020 ddcu: OPTIONS N RETURN
```

In this example, DOC020 is the name of the VAX DOCUMENT savesets to be installed, and *ddcu* represents the device on which you have mounted the distribution media.

If you do not supply the first two parameters, VMSINSTAL prompts you for the product and device names. If you wish to be prompted for the product and device names and to display or print the release notes, type the following:

```
$ @SYS$UPDATE:VMSINSTAL "" "" OPTIONS N
```

OPTIONS N is an optional parameter you should specify if you want to be prompted to display or print the release notes. If you do not include the OPTIONS N parameter, VMSINSTAL does not prompt you to display or print the release notes. Note that VMSINSTAL permits the use of several other options. For more information on the other options, refer to your processor-specific installation/operations guide.

The installation then continues with the following messages:

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


It is dd-mmm-yyyy at hh:mm.
Enter a question mark (?) at any time for help.

%VMSINSTAL-W-DECNET, Your DECnet network is up and running.
* Do you want to continue anyway [NO]? YES RETURN
* Are you satisfied with the backup of your system disk [YES]? YES RETURN
```

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.

Step 3: Mount the first installation kit volume.

You are asked to mount the first installation kit volume.

```
Please mount the first volume of the set on ddcu:.
* Are you ready? YES RETURN
The following products will be processed:

  DOC V2.0


    Beginning installation of DOC V2.0 at hh:mm

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

To indicate that you want to continue the installation, mount the installation kit volume, type YES, and then press RETURN.

If you entered the wrong device name when you invoked VMSINSTAL and 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.

Step 4: Select a release notes option.

VAX DOCUMENT provides online release notes. You will be able to choose from the list of release notes options only if you specified OPTIONS N in step 2.

```
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]: 2 RETURN
```

If you select option 1, VMSINSTAL displays the release notes on line immediately. You can terminate the display at any time by pressing CTRL/C.

DIGITAL recommends that you select option 2. If you select option 2, VMSINSTAL prompts you for a queue name. Either type a queue name or press RETURN to send the file to the default output print device.

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

If you select option 3, VMSINSTAL displays the release notes immediately on the console terminal and then prompts you for a queue name for the printed version.

Option 4 causes the installation to copy the release notes to the help directory. Even if you do not select option 4, the release notes for VAX DOCUMENT are copied to SYS$HELP:DOC020.RELEASE_NOTES.

Select option 5 if you have already reviewed the release notes and are restarting the installation.

To obtain the release notes after the installation, type or print the file SYS$HELP:DOC020.RELEASE_NOTES. Online help also directs you to the release notes file. After the installation, type the following:

```
$ HELP DOCUMENT RELEASE_NOTES RETURN
```

Next, VMSINSTAL displays the following prompt:

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

If you want to continue the installation, type YES and press RETURN. If you type NO or press RETURN, VMSINSTAL discontinues the installation. In either case, VMSINSTAL moves the release notes to SYS$HELP.

NOTE

This version of the release notes file installed by VMSINSTAL is labeled with the current product name and version number, DOC020.RELEASE_NOTES. Take care not to delete release notes for previous versions of VAX DOCUMENT.

Step 5: Select VAX DOCUMENT authorization key.

To run VAX DOCUMENT, you must have its product authorization key registered and loaded. The following message is displayed:

```
In order to run VAX DOCUMENT, you must have its product authorization
    key registered and loaded. [1]

          Product:        DOCUMENT
          Producer:       DEC
          Version:        2.0
          Release Date:   dd-mmm-yyyy[1]

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

If you answer YES to the prompt, then the installation continues with step 6. If you answer NO to the prompt, the following message is displayed:

```
Be sure to register and load the VAX DOCUMENT product authorization key
    after this installation has completed and before trying to run VAX DOCUMENT.

%DOC-W-NOIVP, Proceeding with installation of VAX DOCUMENT.
-DOC-W-NOIVP, The Installation Verification Procedure will be bypassed.

%DOC-I-IVPDEFER, DIGITAL recommends that you run the IVP at some point
-DOC-I-IVPDEFER, after the installation.  To do this, execute the command
-DOC-I-IVPDEFER, procedure @SYS$TEST:DOC$IVP and respond to the prompts.
```

At this point, the installation continues with the following prompt:

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

DIGITAL recommends that you purge the files.

---

[1] The release date appears in your PAK.

Step 6: Select installation options.

You are presented with a number of installation options.

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

The Installation Verification Procedure (IVP) runs tests to check whether the installation procedure was successful. DIGITAL recommends that you run the IVP. Press RETURN to run the IVP after the installation. If you do not want to run the IVP, type NO in response to the prompt.

If you run the IVP, VMSINSTAL checks the open file quota for your process (FILLM). In order to run the IVP, the open file quota for the current process must be 30 or greater. If your open file quota is less than 30, you see the following message and prompt:

```
  The open file quota for your process is less than 30.  The installation
  of VAX DOCUMENT  can proceed, but the Installation Verification Procedure
  cannot be run unless the open file quota is increased to 30.

  You may want to stop installation, run the AUTHORIZE utility to increase
  your open file quota, log out and log in, then restart the installation.
  If you elect to proceed with the installation without increasing
  the open file quota, the IVP will be bypassed.

* Do you want to proceed with the installation [NO]? NO RETURN
```

Enter NO to terminate the installation so that you can increase the open file quota for your process (refer to the User Account Quotas and Privileges section for information on the open file quota). If you type YES, the installation continues, but the IVP is not run and you are given the following message:

```
%DOC-W-NOIVP, Proceeding with installation of VAX DOCUMENT.
-DOC-W-NOIVP, The Installation Verification Procedure will be bypassed.
```

If your open file quota is already set to 30 or more, the installation proceeds, without the previous prompt.

If the IVP is not run because you chose not to run the IVP as part of the installation or because your open file quota is less than 30, the following message is displayed:

```
%DOC-I-IVPDEFER, DIGITAL recommends that you run the IVP at some point
-DOC-I-IVPDEFER, after the installation. To do this, execute the command
-DOC-I-IVPDEFER, procedure @SYS$TEST:DOC$IVP and respond to the prompts.
```

If you decide to bypass the IVP, DIGITAL recommends that after the installation, you set your open file quota to 30 and then run the IVP. Refer to the Running the Installation Verification Procedure Independently section for more information.

Step 7: Select a device and directory.

You must specify a storage area for VAX DOCUMENT files. The following message is displayed:

```
You will now be asked where you want the many VAX DOCUMENT files to
be stored. The files will be stored in a directory tree called
[DOC$TOOLS . . .  ] on the device and directory which you shall specify.
A system-wide logical name called DOC$ROOT will be created to refer
to this directory tree.
```

If this is a reinstallation of VAX DOCUMENT, the logical name DOC$ROOT is already defined. If DOC$ROOT is already defined, you are asked whether you want to restore the [DOC$TOOLS . . .] tree to that device and directory:

```
The logical name DOC$ROOT is already defined.
It refers to the directory ddcu:[dir].

* Do you want to install the new files at that same location [YES]? YES RETURN
```

You should install VAX DOCUMENT onto the same device and directory. If you do not, the existing [DOC$TOOLS . . .] tree will not be accessible through the logical name DOC$ROOT.

If the logical name DOC$ROOT is not currently defined, you receive the following prompt:

```
* Enter the device and directory where [DOC$TOOLS...] should
  be created [SYS$SYSDEVICE:[000000]]: SYS$SYSDEVICE:[000000] RETURN
```

Enter the name of the device and directory on which you want the [DOC$TOOLS...] tree installed, or press the RETURN key to install on the system disk.

NOTE

The directories SYS$HELP, SYS$LIBRARY, SYS$MANAGER, and SYS$MESSAGE, and all files in the [DOC$TOOLS . . .] directory tree may contain previous versions of VAX DOCUMENT files. This may happen if you stop an installation and then re-start it. Any such files are replaced during the re-started installation with new files, but the old

files are not automatically purged. Purging is recommended. In response to a purging prompt, press RETURN to purge the files or type NO to keep them.

Step 8: Select LSE support.

If the Language-Sensitive Editor (LSE) is not installed on your system, you do not receive a prompt for the installation of SDML with LSE. Instead, you receive an informational message stating that LSE is not installed.

```
  Support for the use of SDML with LSE cannot be installed because
Version 3.0 or higher of the Language-Sensitive Editor is not
installed on this system.   If you want the Language-Sensitive Editor
support you must do the following:

  1. Install the Language-Sensitive Editor Version 3.0 or higher
  2. Set default to the SYS$LIBRARY directory
  3. Link the SDML.ENV file using the following command:

      $ lsedit/nodisp/nosyst/envi=(SDML)/nosect/command=(doc$lseupdate_env.tpu)

  This action can be taken any time after this installation is completed.
  There is no need to stop the current installation.
```

If your system has LSE installed, the procedure instead supplies a prompt for the support of SDML with LSE option. You can choose to install this option or continue the installation with the prompt for the next option.

```
  VAX DOCUMENT provides support for the preparation of documents that
  use the Standard Digital Markup Language (SDML) with the Language-
  Sensitive Editor (LSE).

* Do you want support for SDML use with LSE [YES]? YES RETURN
```

Step 9. Select an IVP destination.

If you indicated that you want the IVP executed after installation, you are asked to specify the command line destination parameter that corresponds to the device to which you want to send the output of the DOCUMENT command execution (for example, PS, LN03, or LINE). You are also asked if you want the output to be queued automatically to that device.

```
  The IVP will execute a DOCUMENT command.  You must supply
  the destination parameter for this DOCUMENT command and then
  indicate whether you want the output queued automatically.
```

If you do not have LN03 fonts installed on your system, you will receive the following notice:

```
  +---------------------------------------------------------------------+
  !                     ****   NOTICE   ****                           !
  !                                                                     !
  !  The IVP for this installation of VAX DOCUMENT should not be       !
  !  run against an LN03 destination until the LN03 fonts are          !
  !  installed. Do not select an LN03 destination for this IVP.        !
  +---------------------------------------------------------------------+
* Enter the IVP destination parameter: PS

* Do you want the IVP output queued automatically [YES]? YES
RETURN
* Enter the printer queue name: queue_name RETURN
```

If you have not set up the printing device, reply NO to this prompt.

The VAX DOCUMENT files will now be installed. Your VMS system will be updated to include the new or modified files: SYS$HELP:DOC020.RELEASE_NOTES

Step 10. End the installation.

After responding to the last prompt, you see the following message:

```
The VAX DOCUMENT files will be installed.  Your VMS system
will be updated to include the new or modified files:

  SYS$HELP:DOC020.RELEASE_NOTES
  SYS$HELP:HELPLIB.HLB
  SYS$SHARE:DCLTABLES.EXE
  SYS$STARTUP:DOC$STARTUP.COM
  SYS$MESSAGE:DOC$MSG.EXE

Upon completion of this installation, please be sure to do the following:

.  Edit the system startup file (SYS$MANAGER:SYSTARTUP_V5.COM) so that
   it will execute the command  @SYS$STARTUP:DOC$STARTUP.COM.  This
   insures that DOCUMENT will be available after the next system boot.

.  If you are on a cluster, you should execute the following commands:

        $ RUN SYS$SYSTEM:SYSMAN
        SYSMAN> SET ENVIRONMENT/CLUSTER
        SYSMAN> DO @SYS$STARTUP:DOC$STARTUP.COM
        SYSMAN> DO INSTALL REPLACE SYS$SHARE:DCLTABLES.EXE
        SYSMAN> EXIT

     This will make VAX DOCUMENT available to all properly licensed
     nodes of the cluster prior to the next system boot.
```

Refer to the Installing VAX DOCUMENT on a VAXcluster section for more information.

The installation procedure displays the following message:

```
End of prompts.  Now beginning restoration of savesets.
No further questions will be asked...
```

Additional messages are displayed as VMSINSTAL restores backup savesets and creates directories; for example:

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

When all the selected features are installed, VMSINSTAL runs the IVP if you requested it.

The IVP displays the normal information-level messages from the execution of VAX DOCUMENT.

If the execution of VAX DOCUMENT fails, you will see the following messages:

```
%DOC-I-IVP_FAILURE, VAX DOCUMENT 2.0 IVP failed.
%VMSINSTAL-E-IVPFAIL, The IVP for DOC 2.0 has failed.
```

See the section on Error Conditions if you receive this message.

If the execution of VAX DOCUMENT succeeds, you will see the following messages:

```
%DOC-I-IVP_SUCCESS, VAX DOCUMENT V2.0 IVP was successful.
 Installation of DOCV2.0 completed at hh:mm.
```

With the successful completion of the IVP, your installation of VAX DOCUMENT is finished. After the following message is displayed, log out from the system:

```
VMSINSTAL procedure done at hh:mm.
$ logout RETURN
```

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 want to restore those symbols, you should log out and log in again.

Installing VAX DOCUMENT on a VAXcluster

If you want to run VAX DOCUMENT on multiple nodes of a VAXcluster, first check to see that you have the appropriate software license. Then, execute the following commands after installing VAX DOCUMENT:

```
$ RUN SYS$SYSTEM:SYSMAN
SYSMAN> SET ENVIRONMENT/CLUSTER
SYSMAN> DO @SYS$STARTUP:DOC$STARTUP.COM
SYSMAN> DO INSTALL REPLACE SYS$SHARE:DCLTABLES.EXE
SYSMAN> EXIT
```

For more information about the SYSMAN utility, see the *VMS SYSMAN Utility Manual*.

Determining the Files and Logical Names Added to the System

During the installation, VAX DOCUMENT creates some files and logical names on your system. See Appendix B for a complete list.

Running the Installation Verification Procedure Independently

The Installation Verification Procedure (IVP) is usually run at installation. If you want to run the IVP independently to ensure the integrity of installed files if system problems occur, execute the following command procedure and respond to the prompts:

```
$ @SYS$TEST:DOC$IVP

* Enter the destination parameter: PS
* Do you want the IVP queued automatically [YES]? RETURN
```

If the IVP fails for any reason, the following messages are displayed:

```
%DOC-I-IVP_FAILURE, VAX DOCUMENT V2.0 IVP failed.
%VMSINSTAL-E-IVPFAIL, The IVP for DOC V2.0 has failed.
```

Chapter 3

After the Installation

This chapter explains the necessary tasks to be performed after the installation of VAX DOCUMENT Version 2.0.

Now that VAX DOCUMENT is installed, it can be invoked by all users by issuing the DOCUMENT command. The installation procedure modifies the DCL command table so that the DOCUMENT command is recognized and processed. The old command table is still in effect, however, for those users who are currently logged in. All logged-in users who want to use the VAX DOCUMENT command must log out of the system and log in again.

System-wide Tasks

Perform the following system-wide tasks after the installation:

1. Edit the file SYS$STARTUP:SYSTARTUP_V5.COM to include the execution of DOC$STARTUP.COM.

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

2. Verify that all users of VAX DOCUMENT have the requisite FILLM and PGFLQUOTA quotas.
3. If you are on a cluster, perform the steps outlined in the Installing VAX DOCUMENT on a VAXcluster section.

The next sections describe additional steps and conditions that must exist before the system is made available to users.

Check Your LN03 Printer

VAX DOCUMENT system support for LN03 output requires that the LN03 be equipped with a minimum of two LN03X-CR RAM cartridges to downline load the fonts needed. Without RAM cartridges, the LN03 has only 27K RAM; each cartridge adds an additional 128K.

If the output produced by the LN03 has erratic characteristics (for example, if white space occurs where text should be) or if the LN03 displays the numbers ‘‘2’’ and ‘‘4’’ on its LED display while printing the file, you need to order the cartridges and install them to get LN03 output.

For correct printing of LN03 output files, the terminal queue characteristics and the device's switch settings must be verified. Discussion of terminal queue characteristics and LN03 bit settings follows.

Terminal Queue Characteristics

The following list summarizes the terminal queue characteristics required for correct output of VAX DOCUMENT output files produced for the LN03. In the following example, *TTcn:* is the terminal number of the LN03 printer.

Place the following commands in the system startup file to enable the terminal queue:

```
$ SET TERMINAL TTcn: -
_$ /SPEED=19200-
_$ /DEVICE=(LN03)-
_$ /PERMANENT/NOBROAD/NOECHO/FORM-
_$ /PAGE=66/NOTYPEAHEAD/WIDTH=80/NOWRAP)
$ SET DEVICE TTcn:/SPOOLED=(queue-name,SYS$DEVICE:TTcn)
$ INITIALIZE/QUEUE/START/NOENABLE queue-name/ON=TTcn:
```

The *queue-name* is the same queue name specified in the installation procedure.

LN03 Bit Settings

You can determine the bit settings on your LN03 by pressing the Test Button on the back of the device. The summary sheet settings should be as follows:

```
S U M M A R Y   S H E E T          Revision Level DEC004.4

 SWITCH #          SETTING       MEANING

  1-1              OFF           SERIAL INPUT
    2              ON
    3              ON            19200 BAUD
    4              ON
    5              OFF           8 DATA BITS
    6              OFF           PARITY DISABLED
  2-1              ON
    2              OFF           LN03 DEVICE ID
    3              OFF
    4              OFF           AUTO WRAP OFF
    5              OFF           XON/XOFF ENABLED
    6              OFF
```

Note that the revision level must be 004.4 or greater.

Error Conditions

If the installation procedure fails for any reason, the following message is displayed:

```
DOC V2.0 Installation failed.
Please consult the VAX DOCUMENT Installation Guide for further information.
```

An error during the installation can be caused by one or more of the following conditions:

- Insufficient disk space
- Insufficient system virtual page count parameter
- Insufficient AST quota
- Insufficient buffered I/O byte count
- Insufficient subprocess quota
- Insufficient open file quota
- Insufficient process paging file quota
- Insufficient process working set quota

- Insufficient system maximum working set
- Incorrect version of VMS

For descriptions of the error messages generated by these conditions, see the *VMS System Messages and Recovery Procedures Reference Volume* and your processor-specific installation/operations guide.

If you are notified that any of these conditions exist, you should take the appropriate action, as described in the message. You may need to change a system parameter or increase an authorized quota value. For information on requirements, see the Installation Procedure Requirements and Using VMSINSTAL sections.

If the installation fails, you must restart the installation procedure from step 2. If the installation fails due to an IVP failure, contact a DIGITAL field service representative.

IVP Error Conditions

If the IVP fails for any reason, you receive VMS system messages indicating the cause of the error. The most likely problem areas are as follows:

- The output queue name is not correctly specified.
- The output device is not correctly set up for printing VAX DOCUMENT output.

Maintenance Updates

DIGITAL may periodically issue maintenance updates of VAX DOCUMENT. Each update consists of an installation kit. You should install this kit as described in this document or in any documentation that may accompany the maintenance update.

Each time a maintenance update is released, the version number changes. For example, if the current version is 1.0, the version number of the first maintenance update is 1.1. In addition, the maintenance update includes new release notes. The release notes describe the changes that have been made to VAX DOCUMENT since the previous release.

The updated release notes are provided on line. You should read the release notes before you install VAX DOCUMENT; they are also accessible at any time after the product is installed. For information on reading the release notes at the time that you install VAX DOCUMENT, follow the installation procedure through step 4. To locate the release notes after VAX DOCUMENT is installed, display or print the file SYS$HELP:DOC020.RELEASE_NOTES, or type the following:

```
$ HELP DOCUMENT RELEASE_NOTES
```

Determining and Reporting Problems

If an error occurs while you are using VAX DOCUMENT and you believe that the error is caused by a problem with VAX DOCUMENT, take one of the following actions:

- If you purchased VAX DOCUMENT within the past 90 days and you think the problem is caused by a software error, submit a Software Performance Report (SPR).
- If you have a BASIC or DECsupport Software Agreement, call your Customer Support Center. With these services, you receive telephone support that provides high-level advisory and remedial assistance. For more information, contact your local DIGITAL representative.
- If you have a Self-Maintenance Software Agreement, submit a Software Performance Report (SPR).

If you find an error in the VAX DOCUMENT documentation, you should fill out and submit one of the Reader's Comments forms at the back of the document in which the error was found. Include the section and page number where you found the error.

Appendix A
Sample Installation

This appendix contains a sample installation of VAX DOCUMENT. Note that this is only a sample. Be sure to read this installation guide, the release notes, and the *Read Before Installing or Using VAX DOCUMENT* letter, which notes any significant changes in the installation that vary from this sample, before you install this product.

```
$ set default sys$update
$ @vmsinstal doc020 dev:[dir]

        VAX/VMS Software Product Installation Procedure V5.3

It is 25-JAN-1991 at 07:56.

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

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

The following products will be processed:

  DOC V2.0

        Beginning installation of DOC V2.0 at 07:56

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

  In order to run VAX DOCUMENT, you must have its product authorization key
  registered and loaded.

        Product:      DOCUMENT
        Producer:     DEC
        Version:      2.0
        Release Date: 1-JULY-1990

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

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

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

  You will now be asked for the device and directory where you want
  the VAX DOCUMENT files to be stored. The files will be stored in a
  directory tree called [DOC$TOOLS...] on the device and directory
  you specify. A system-wide logical name called DOC$ROOT will be
  created to refer to this directory tree.

* Enter the device and directory where [DOC$TOOLS] should
  be created [SYS$SYSDEVICE:[000000]]: dua0:

  VAX DOCUMENT provides support for the preparation of documents that
  use the Standard Digital Markup Language (SDML) with the Language-
  Sensitive Editor (LSE).

* Do you want support for SDML use with LSE [YES]? Y

  The IVP will execute a DOCUMENT command.  You must supply
  the destination parameter for this DOCUMENT command and then
  indicate whether you want the output queued automatically.

  +-------------------------------------------------------------------+
  |                       ****   NOTICE   ****                       |
  |                                                                   |
  |   The IVP for this installation of VAX DOCUMENT should not be    |
  |   run against an LN03 destination until the LN03 fonts are       |
  |   installed.  Do not select an LN03 destination for this IVP.    |
  +-------------------------------------------------------------------+

* Enter the IVP destination parameter
 (BOOKREADER,PS,LINE,MAIL,TERMINAL): PS

* Do you want the IVP output queued automatically [YES]? N

  The VAX DOCUMENT files will now be installed.  Your VMS system
  will be updated to include the new or modified files:

    SYS$HELP:DOC020.RELEASE_NOTES
    SYS$HELP:HELPLIB.HLB
    SYS$SHARE:DCLTABLES.EXE
    SYS$STARTUP:DOC$STARTUP.COM
    SYS$MESSAGE:DOC$MSG.EXE

    Upon completion of this installation, please be sure to do the following:

    .  Edit the system startup file (SYS$STARTUP:SYSTARTUP_V5.COM) so that
       it will execute the command  @SYS$STARTUP:DOC$STARTUP.COM.  This
       insures that DOCUMENT will be available after the next system boot.

    .  If you are on a cluster, you should execute the following commands:

           $ RUN SYS$SYSTEM:SYSMAN
           SYSMAN> SET ENVIRONMENT/CLUSTER
           SYSMAN> DO @SYS$STARTUP:DOC$STARTUP.COM
           SYSMAN> DO INSTALL REPLACE SYS$SHARE:DCLTABLES.EXE
           SYSMAN> EXIT

       This will make VAX DOCUMENT available to all properly licensed
       nodes of the cluster prior to the next system boot.
```

```
  End of prompts.  Now beginning restoration of savesets.
  No further questions will be asked...

%VMSINSTAL-I-RESTORE, Restoring product save set B ...
%VMSINSTAL-I-RESTORE, Restoring product save set C ...
%VMSINSTAL-I-RESTORE, Restoring product save set D ...
%VMSINSTAL-I-RESTORE, Restoring product save set E ...
%VMSINSTAL-I-RESTORE, Restoring product save set F ...
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...

%DOC-I-IVPSTART, VAX DOCUMENT 2.0 Installation Verification Procedure

%DOC-I-IVPRUN, Running VAX DOCUMENT ...
%DOC-I-IDENT, VAX DOCUMENT V2.0
[ T a g    T r a n s l a t i o n ]...
%TAG-I-DEFSLOADD, End of Loading of Tag Definitions
%TAG-I-SETCONDTN, Setting condition SOFTWARE
   on line 1 of file DOC$ROOT:[TEMPLATES]DOC$SAMPLE.SDML
%TAG-I-ENDPASS_1, End of first pass over the input
[ T e x t    F o r m a t t i n g ]...
%TEX-I-PAGESOUT, 12 pages written.
-TEX-I-OUTFILENAME, 'DOC$ROOT:[TEMPLATES]DOC$SAMPLE.DVI_PS'
[ C o n t e n t s   G e n e r a t i o n ]...
[ T e x t    F o r m a t t i n g   C o n t e n t s ]...
%TEX-I-PAGESOUT, 1 page written.
-TEX-I-OUTFILENAME, 'DOC$ROOT:[TEMPLATES]DOC$SAMPLE_CONTENTS.DVI_PS'
[ I n d e x    G e n e r a t i o n ]...
%INX-I-READING, reading file 'DOC$ROOT:[TEMPLATES]DOC$SAMPLE.INX'
%INX-I-WRITING, writing file 'DOC$ROOT:[TEMPLATES]DOC$SAMPLE_INDEX.TEX;'
%INX-S-CREATED, 'DOC$ROOT:[TEMPLATES]DOC$SAMPLE_INDEX.TEX;' created
[ T e x t    F o r m a t t i n g   I n d e x ]...
%TEX-I-PAGESOUT, 2 pages written.
-TEX-I-OUTFILENAME, 'DOC$ROOT:[TEMPLATES]DOC$SAMPLE_INDEX.DVI_PS'
[ D e v i c e    C o n v e r s i o n ]...
%DVC-I-INCLUDING, including input file:
   DOC$SAMPLE_CONTENTS.DVI_PS
%DVC-I-INCLUDING, including input file:
   DOC$SAMPLE_INDEX.DVI_PS
%DVC-I-PAGESOUT, 13 pages written to file:
   DOC$ROOT:[TEMPLATES]DOC$SAMPLE.PS
%DOC-I-IVPSUCCESS, VAX DOCUMENT V2.0 IVP was successful.
        Installation of DOC V2.0 completed at 08:42

        VMSINSTAL procedure done at 08:42

$ logout
```

Appendix B

Files, Directories, and Logical Names Installed on Your System

The VAX DOCUMENT installation procedure installs a number of files and directories on your system and defines some logical names. The following sections list the files and directories installed and the logical names that are added to the system logical name table.

File Names

The following list contains the names of all new files installed on your system when VAX DOCUMENT is installed. The few that are modified are denoted by an asterisk (*).

```
Directory DOC$ROOT:

EXAMPLES.DIR      TEMPLATES.DIR
TEX.DIR           TOOLS.DIR

Directory DOC$ROOT:[EXAMPLES]

ARTICLE_SAMPLE.SDML                 EXERCISE_CHAP1.SDML
EXERCISE_CHAP2.SDML                 EXERCISE_FRONT.SDML
EXERCISE_PROFILE.DECW$BOOK          EXERCISE_PROFILE.DECW$BOOKSHELF
EXERCISE_PROFILE.PS                 EXERCISE_PROFILE.SDML
EXERCISE_PROFILE.XREF               LENDL.BRF
LENDL.PS                            LETTER_SAMPLE.SDML
MANUAL_SAMPLE.SDML                  MEMO_SAMPLE.SDML
MILSPEC_DRAFT_SAMPLE.SDML           MILSPEC_SECURE_SAMP
OVERHEADS_SAMPLE.SDML               REPORT_SAMPLE.SDML
REPORT_TWOCOL_SAMPLE.SDML           SHRIVER.BRF
SHRIVER.PS

Directory DOC$ROOT:[TEMPLATES]
```

```
ALASKA_ARTICLE.SDML                     ALASKA_MANUAL.SDML
ALASKA_REPORT.SDML                      ALASKA_SOFTWARE.SDML
DOC$SAMPLE.SDML
FURNITURE_OVERHEADS.SDML                MILSPEC_80012A.SDML
MILSPEC_80013A.SDML                     MILSPEC_80014A.SDML
MILSPEC_80015A.SDML                     MILSPEC_80017A.SDML
MILSPEC_80018A.SDML                     MILSPEC_80019A.SDML
MILSPEC_80021A.SDML                     MILSPEC_80022A.SDML
MILSPEC_80024A.SDML                     MILSPEC_80025A.SDML
MILSPEC_80026A.SDML                     MILSPEC_80027A.SDML
MILSPEC_80029A.SDML                     MILSPEC_80030A.SDML
MILSPEC_80534A.SDML                     MILSPEC_DID_80008.SDML
MILSPEC_DID_80009.SDML                  MILSPEC_DID_80010.SDML
MILSPEC_DID_80011.SDML                  MILSPEC_DID_80012.SDML
MILSPEC_DID_80013.SDML                  MILSPEC_DID_80014.SDML
MILSPEC_DID_80015.SDML                  MILSPEC_DID_80016.SDML
MILSPEC_DID_80017.SDML                  MILSPEC_DID_80018.SDML
MILSPEC_DID_80019.SDML                  MILSPEC_DID_80020.SDML
MILSPEC_DID_80021.SDML                  MILSPEC_DID_80022.SDML
MILSPEC_DID_80023.SDML                  MILSPEC_DID_80024.SDML
MILSPEC_DID_80025.SDML                  MILSPEC_DID_80026.SDML
MILSPEC_DID_80027.SDML                  MILSPEC_DID_80028.SDML
MILSPEC_DID_80029.SDML                  MILSPEC_DID_80030.SDML
MILSPEC_DID_80031.SDML                  MILSPEC_SAMPLE.SDML
MILSPEC_SYMBOLS.SDML                    ROUTINE.SDML
SMITH_LETTER.SDML                       STATEMENT.SDML
TAG.SDML

Directory DOC$ROOT:[TEX]

BOOKR.DIR           FORMATS.DIR
LN03.DIR            LPR.DIR
POSTSCRIPT.DIR

Directory DOC$ROOT:[TEX.BOOKR]

FONTS.DIR           TOOLS.DIR

Directory DOC$ROOT:[TEX.BOOKR.FONTS]
```

```
AMEX140.TFM       AMMI140.TFM       AMR140.TFM
AMSY140.TFM       DECWAVANT100.TFM  DECWAVANT120.TFM
DECWAVANT140.TFM  DECWAVANT180.TFM  DECWAVANT240.TFM
DECWAVANT80.TFM   DECWAVANTD100.TFM DECWAVANTD120.TFM
DECWAVANTD140.TFM DECWAVANTD180.TFM DECWAVANTD240.TFM
DECWAVANTD80.TFM  DECWAVANTDO100.TFM
DECWAVANTDO120.TFM                    DECWAVANTDO140.TFM
DECWAVANTDO180.TFM                    DECWAVANTDO240.TFM
DECWAVANTDO80.TFM DECWAVANTO100.TFM DECWAVANTO120.TFM
DECWAVANTO140.TFM DECWAVANTO180.TFM DECWAVANTO240.TFM
DECWAVANTO80.TFM  DECWCENT100.TFM   DECWCENT120.TFM
DECWCENT140.TFM   DECWCENT180.TFM   DECWCENT240.TFM
DECWCENT80.TFM    DECWCENTB100.TFM  DECWCENTB120.TFM
DECWCENTB140.TFM  DECWCENTB180.TFM  DECWCENTB240.TFM
DECWCENTB80.TFM   DECWCENTBI100.TFM DECWCENTBI120.TFM
DECWCENTBI140.TFM DECWCENTBI180.TFM DECWCENTBI240.TFM
DECWCENTBI80.TFM  DECWCENTI100.TFM  DECWCENTI120.TFM
DECWCENTI140.TFM  DECWCENTI180.TFM  DECWCENTI240.TFM
DECWCENTI80.TFM   DECWCOUR100.TFM   DECWCOUR120.TFM
DECWCOUR140.TFM   DECWCOUR180.TFM   DECWCOUR240.TFM
DECWCOUR80.TFM    DECWCOURB100.TFM  DECWCOURB120.TFM
DECWCOURB140.TFM  DECWCOURB180.TFM  DECWCOURB240.TFM
DECWCOURB80.TFM   DECWCOURBO100.TFM DECWCOURBO120.TFM
DECWCOURBO140.TFM DECWCOURBO180.TFM DECWCOURBO240.TFM
DECWCOURBO80.TFM  DECWCOURO100.TFM  DECWCOURO120.TFM
DECWCOURO140.TFM  DECWCOURO180.TFM  DECWCOURO240.TFM
DECWCOURO80.TFM   DECWHELV100.TFM   DECWHELV120.TFM
DECWHELV140.TFM   DECWHELV180.TFM   DECWHELV240.TFM
DECWHELV80.TFM    DECWHELVB100.TFM  DECWHELVB120.TFM
DECWHELVB140.TFM  DECWHELVB180.TFM  DECWHELVB240.TFM
DECWHELVB80.TFM   DECWHELVBO100.TFM DECWHELVBO120.TFM
DECWHELVBO140.TFM DECWHELVBO180.TFM DECWHELVBO240.TFM
DECWHELVBO80.TFM  DECWHELVO100.TFM  DECWHELVO120.TFM
DECWHELVO140.TFM  DECWHELVO180.TFM  DECWHELVO240.TFM
DECWHELVO80.TFM   DECWLUBA100.TFM   DECWLUBA120.TFM
DECWLUBA140.TFM   DECWLUBA180.TFM   DECWLUBA240.TFM
DECWLUBA80.TFM    DECWLUBAD100.TFM  DECWLUBAD120.TFM
DECWLUBAD140.TFM  DECWLUBAD180.TFM  DECWLUBAD240.TFM
DECWLUBAD80.TFM   DECWLUBADO100.TFM DECWLUBADO120.TFM
DECWLUBADO140.TFM DECWLUBADO180.TFM DECWLUBADO240.TFM
DECWLUBADO80.TFM  DECWLUBAO100.TFM  DECWLUBAO120.TFM
DECWLUBAO140.TFM  DECWLUBAO180.TFM  DECWLUBAO240.TFM
DECWLUBAO80.TFM   DECWSOUV100.TFM   DECWSOUV120.TFM
DECWSOUV140.TFM   DECWSOUV180.TFM   DECWSOUV240.TFM
DECWSOUV80.TFM    DECWSOUVB100.TFM  DECWSOUVB120.TFM
DECWSOUVB140.TFM  DECWSOUVB180.TFM  DECWSOUVB240.TFM
DECWSOUVB80.TFM   DECWSOUVBI100.TFM DECWSOUVBI120.TFM
DECWSOUVBI140.TFM DECWSOUVBI180.TFM DECWSOUVBI240.TFM
DECWSOUVBI80.TFM  DECWSOUVI100.TFM  DECWSOUVI120.TFM
DECWSOUVI140.TFM  DECWSOUVI180.TFM  DECWSOUVI240.TFM
DECWSOUVI80.TFM   DECWTIMEB100.TFM  DECWTIMEB120.TFM
DECWTIMEB140.TFM  DECWTIMEB180.TFM  DECWTIMEB240.TFM
DECWTIMEB80.TFM   DECWTIMEBI100.TFM DECWTIMEBI120.TFM
DECWTIMEBI140.TFM DECWTIMEBI180.TFM DECWTIMEBI240.TFM
DECWTIMEBI80.TFM  DECWTIMEI100.TFM  DECWTIMEI120.TFM
```

```
DECWTIMEI140.TFM  DECWTIMEI180.TFM  DECWTIMEI240.TFM
DECWTIMEI80.TFM   DECWTIMER100.TFM  DECWTIMER120.TFM
DECWTIMER140.TFM  DECWTIMER180.TFM  DECWTIMER240.TFM
DECWTIMER80.TFM   DVC$BOOKR_FONTCONFIG.DAT
SYMBOL140.TFM     TEX$BOOKRCHARS.TEX

Total of 175 files.


Directory DOC$ROOT:[TEX.BOOKR.TOOLS]

DVC$BOOKRSHR.EXE

Directory DOC$ROOT:[TEX.FORMATS]

DANI.FMT_HYPH    DANISH.FMT_HYPH   DOC$DESIGNS.DAT
DOC$DESTINATIONS.DAT               DOC$LANGUAGE.NLB
DUTC.FMT_HYPH    DUTCH.FMT_HYPH    ENGL.FMT_HYPH
ENGLISH.FMT_HYPH FINN.FMT_HYPH     FINNISH.FMT_HYPH
FREN.FMT_HYPH    FRENCH.FMT_HYPH   GERM.FMT_HYPH
GERMAN.FMT_HYPH  ITAL.FMT_HYPH     ITALIAN.FMT_HYPH
NORW.FMT_HYPH    NORWEGIAN.FMT_HYPH
PORTUGUESE.FMT_HYPH                SDMLBOOKR.FMT_MACRO
SDMLLN03.FMT_MACRO                 SDMLLPR.FMT_MACRO
SDMLPS.FMT_MACRO                   SPANISH.FMT_HYPH
SWEDISH.FMT_HYPH TAG$ARTICLE.STT   TAG$BACK_MATTER.STT
TAG$BUILD_DOCTYPE.GDX              TAG$BUILD_GLOBAL.GDX
TAG$FRONT_MATTER.STT               TAG$GENERATE.STT
TAG$HELP.STT     TAG$LETTER.STT    TAG$LOCALSYMBOL_TAGS.STT
TAG$MANUAL.STT   TAG$MILSPEC.STT   TAG$MIL_ONLINE.STT
TAG$MIL_SECURITY.STT               TAG$MULTCOL_TAGS.STT
TAG$M_PRIMER.STT TAG$ONLINE_DESTINATION_STRINGS.STT
TAG$ONLINE_REVISED_GLOBALS.STT     TAG$ONLINE_SOP.STT
TAG$ONLINE_TAGS.STT                TAG$OVERHEADS.STT
TAG$O_REFERENCE.STT                TAG$O_SHELF.STT
TAG$PART_PAGE_TAGS.                TAG$REPORT.STT
TAG$R_OUTLINE_TAGS.STT             TAG$R_TWOCOL.STT
TAG$SDML_TAGS.STT                  TAG$SOFTWARE.STT
TAG$S_BROCHURE.STT                 TAG$S_DEFLIST_TAGS.STT
TAG$S_GUIDE.STT                    TAG$S_HANDBOOK.STT
TAG$S_KEYPAD_TAGS.STT              TAG$S_MESSAGE_TAGS.STT
TAG$S_ONLINE.STT                   TAG$S_POCKET_REFERENCE.STT
TAG$S_REFERENCE.STT                TAG$S_SPECIFICATION.STT
TAG$S_TEMPLATES.STT                TEX$ARTICLE.DESIGN
TEX$AVANT_MODULE.POST_FONTS        TEX$CANADIAN_MODULE.TEX
TEX$CENTURY_MODULE.POST_FONTS      TEX$DANISH_MODULE.TEX
TEX$DUTCH_MODULE.TEX               TEX$ENGLISH_MODULE.TEX
TEX$EXCEPTIONS.TEX                 TEX$FINNISH_MODULE.TEX
TEX$FRENCH_MODULE.TEX              TEX$GERMAN_MODULE.TEX
TEX$HELP.DESIGN                    TEX$ITALIAN_MODULE.
TEX$LANGUAGE_MODULES.TEX           TEX$LETTER.DESIGN
TEX$LUBALIN_MODULE.POST_FONTS      TEX$MILSPEC.DESIGN
TEX$MIL_DRAFT.DESIGN               TEX$MIL_ONLINE.DESIGN
TEX$MIL_SECURITY.DESIGN            TEX$MIL_SECURITY.LINE_FONTS
TEX$MIL_SECURITY.LN03_FONTS        TEX$MIL_SECURITY.POST_FONTS
TEX$M_GUIDE.DESIGN                 TEX$M_PRIMER.DESIGN
TEX$M_REFERENCE.DESIGN             TEX$NORWEGIAN_MODULE.TEX
```

```
TEX$OVERHEADS.DESIGN                TEX$O_35MM.DESIGN
TEX$O_COMMON.TEX                    TEX$O_SHELF.DESIGN
TEX$PORTUGUESE_MODU                 TEX$REPORT.DESIGN
TEX$R_TWOCOL.DESIGN                 TEX$SOUVENIR_MODULE.POST_FONTS
TEX$SPANISH_MODULE.TEX              TEX$STANDARD_FONTS.BOOKR_FONTS
TEX$STANDARD_FONTS.LINE_FONTS       TEX$STANDARD_FONTS.LN03_FONTS
TEX$STANDARD_FONTS.POST_FONTS       TEX$STARTUP.TEX
TEX$SWEDISH_MODULE.TEX              TEX$S_BROCHURE.DESI
TEX$S_GUIDE.DESIGN                  TEX$S_HANDBOOK.DESIGN
TEX$S_ONLINE.DESIGN                 TEX$S_POCKET_REFERENCE.DESIGN
TEX$S_REFERENCE.DESIGN              TEX$S_SPECIFICATION.DESIGN
TEX$TIMES_MODULE.POST_FONTS         TEX$V2HANDBOOK.DESIGN
TEX$V2REFERENCE.DESIGN

Directory DOC$ROOT:[TEX.LN03]

FONTS.DIR          TOOLS.DIR

Directory DOC$ROOT:[TEX.LN03.TOOLS]

DVC$LN03SHR.EXE

Directory DOC$ROOT:[TEX.LPR]

FONTS.DIR          TOOLS.DIR

Directory DOC$ROOT:[TEX.LPR.FONTS]

LPAMEX10.TFM      LPAMR10.TFM       LPAMR6.TFM
LPAMR8.TFM        LPAMR9.TFM        LPBD.TFM
LPBI.TFM          LPEX.TFM          LPIT.TFM
LPMI.TFM          LPRM.TFM          LPSY.TFM
LPTT.TFM          TEX$LPCHARS.TEX

Directory DOC$ROOT:[TEX.LPR.TOOLS]

DVC$LPRSHR.EXE

Directory DOC$ROOT:[TEX.POSTSCRIPT]

FONTS.DIR            TOOLS.DIR
Directory DOC$ROOT:[TEX.POSTSCRIPT.FONTS]
```

```
AMEX10.1500PXL   AMEX10.TFM       AMMI10.1500PXL
AMMI10.TFM
AMMI6.1500PXL    AMMI6.TFM        AMMI8.1500PXL
AMMI8.TFM
AMMI9.1500PXL    AMMI9.TFM        AMR10.1500PXL
AMR10.TFM
AMR6.1500PXL     AMR6.TFM         AMR8.1500PXL
AMR8.TFM
AMR9.1500PXL     AMR9.TFM         AMSY10.1500PXL
AMSY10.TFM
AMSY6.1500PXL    AMSY6.TFM        AMSY8.1500PXL
AMSY8.TFM
AMSY9.1500PXL    AMSY9.TFM        AVANT.TFM
AVANTD.TFM
AVANTDO.TFM      AVANTO.TFM       CENT.TFM
CENTB.TFM
CENTBI.TFM       CENTI.TFM        COUR.TFM
COURB.TFM
COURBO.TFM       COURO.TFM        DECCALLOUT.TFM
DEC_CALLOUT.PS
DVC$PROLOG.PS    DVC$PS_FONTCONFIG.DAT
HELV.TFM         HELVB.TFM        HELVBO.TFM
HELVO.TFM
JINETE.PS        JINETE.TFM       LUBA.TFM
LUBAD.TFM
LUBADO.TFM       LUBAO.TFM        SOUV.TFM
SOUVB.TFM
SOUVBI.TFM       SOUVI.TFM        SYMBOL.TFM
TEX$PSCHARS.TEX
TIMEB.TFM        TIMEBI.TFM       TIMEI.TFM
TIMER.TFM

Directory DOC$ROOT:[TEX.POSTSCRIPT.TOOLS]

DVC$PSSHR.EXE

Directory DOC$ROOT:[TOOLS]

DOC$SYMBOL_GENERATOR.EXE      DOCUMENT.EXE     TAG$TRANSLATESHR.EXE
```

The following system files are installed, or, where marked by an asterisk, modified:

```
SYS$HELP:HELPLIB.HLB *
SYS$HELP:DOC020.RELEASE_NOTES
SYS$LIBRARY:DOC$LSEUPDATE_ENV.TPU
SYS$LIBRARY:SDML_ENV
SYS$LIBRARY:LSE$SYSTEM_ENVIRONMENT.ENV *
SYS$MESSAGE:DOC$MSG.EXE
SYS$SHARE:DCLTABLES.EXE *
SYS$TEST:DOC$IVP.COM
```

The following files are created by the installation for LN03 support.

```
DOC$ROOT:[TEX.FORMATS]TEX$MIL_SECURITY.LN03_FONTS
DOC$ROOT:[TEX.FORMATS]TEX$STANDARD_FONTS.LN03_FONTS
DOC$ROOT:[TEX.LN03.TOOLS]DVC$LN03SHR.EXE
```

The following files are created by the installation for PostScript support.

```
DOC$ROOT:[TEX.FORMATS]TEX$AVANT_MODULE.POST_FONTS
DOC$ROOT:[TEX.FORMATS]TEX$CENTURY_MODULE.POST_FONTS
DOC$ROOT:[TEX.FORMATS]TEX$LUBALIN_MODULE.POST_FONTS
DOC$ROOT:[TEX.FORMATS]TEX$MIL_SECURITY.POST_FONTS
DOC$ROOT:[TEX.FORMATS]TEX$SOUVENIR_MODULE.POST_FONTS
DOC$ROOT:[TEX.FORMATS]TEX$STANDARD_FONTS.POST_FONTS
DOC$ROOT:[TEX.FORMATS]TEX$TIMES_MODULE.POST_FONTS
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMEX10.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMEX10.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMMI10.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMMI10.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMMI6.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMMI6.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMMI8.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMMI8.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMMI9.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMMI9.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMR10.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMR10.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMR6.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMR6.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMR8.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMR8.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMR9.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMR9.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMSY10.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMSY10.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMSY6.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMSY6.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMSY8.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMSY8.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMSY9.1500PXL
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AMSY9.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AVANT.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AVANTD.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AVANTDO.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]AVANTO.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]CENT.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]CENTB.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]CENTBI.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]CENTI.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]COUR.TFM
```

```
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]COURB.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]COURBO.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]COURO.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]DECCALLOUT.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]DEC_CALLOUT.PS
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]DVC$FONT_CONFIG.DAT
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]DVC$PROLOG.PS
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]HELV.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]HELVB.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]HELVBO.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]HELVO.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]JINETE.PS
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]JINETE.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]LUBA.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]LUBAD.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]LUBADO.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]LUBAO.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]SOUV.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]SOUVB.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]SOUVBI.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]SOUVI.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]SYMBOL.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]TEX$PSCHARS.TEX
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]TIMEB.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]TIMEBI.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]TIMEI.TFM
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]TIMER.TFM
DOC$ROOT:[TEX.POSTSCRIPT.TOOLS]DVC$PSSHR.EXE
```

Directory Names

The following directories are created by the installation.

```
DOC$ROOT:[EXAMPLES]
DOC$ROOT:[TEMPLATES]
DOC$ROOT:[TEX]
DOC$ROOT:[TEX.BOOKR]
DOC$ROOT:[TEX.BOOKR.FONTS]
DOC$ROOT:[TEX.BOOKR.TOOLS]
DOC$ROOT:[TEX.FORMATS]
DOC$ROOT:[TEX.LN03]
DOC$ROOT:[TEX.LPR]
DOC$ROOT:[TEX.LPR.FONTS]
DOC$ROOT:[TEX.LPR.TOOLS]
DOC$ROOT:[TEX.POSTSCRIPT]
DOC$ROOT:[TOOLS]
```

The following directories are created for LN03 support.

```
DOC$ROOT:[TEX.LN03.FONTS]
DOC$ROOT:[TEX.LN03.TOOLS]
```

The following directories are created for PostScript support.

```
DOC$ROOT:[TEX.POSTSCRIPT.FONTS]
DOC$ROOT:[TEX.POSTSCRIPT.TOOLS]
```

Logical Names

The following logical names are entered into the system logical name table when VAX DOCUMENT is installed. These names are stored in the product's startup file.

```
DOC$BOOKR_FONTS
DOC$BOOKR_TOOLS
DOC$LN03_FONTS
DOC$LOCAL_ELEMENTS
DOC$LPR_FONTS
DOC$MESSAGE
DOC$PS_FONTS
DOC$ROOT
DOC$STANDARD_FORMATS
DOC$TEMPLATES
DVC$BOOKRSHR
DVC$LN03SHR
DVC$LPRSHR
DVC$PSSHR
TAG$TRANSLATESHR
```