VAX Decision Expert Installation Guide

Order Number: AA–LW64A–TE

This document contains instructions for installing VAX Decision Expert software on the VMS operating system. It also explains how to read the online release notes before or after installing the product. This document applies to VAX Decision Expert Version 1.0 and all maintenance updates throughout that version.

Revision/Update Information:	This is a new manual.
Operating System and Version:	VMS Version 5.1 or higher. Future maintenance releases may require higher versions.
Software Version:	VAX Decision Expert Version 1.0

digital equipment corporation
maynard, massachusetts

September 1989

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ML–S1037

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Preface

This document explains how to install VAX Decision Expert software on the VMS operating system. It is intended for system managers. This document applies to VAX Decision Expert Version 1.0 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 version 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 Decision Expert software for any other reason.

For more information about installing Decision Expert software on VMS systems, refer to the installation/operations guide for your specific processor.

This guide describes the installation procedure step-by-step. The system prompts you to answer questions and to change volumes, and it waits for you to tell it to continue.

Default values appear in brackets ([ ]) throughout the installation procedure. Text that you type appears bold for online versions.

Chapter 1

Preparing to Install VAX Decision Expert Software

Your bill of materials (BOM) specifies the number and contents of your media. Be sure to check the contents of your kit against this information. If your kit is damaged or if you find that parts of it are missing, call your Digital representative.

VAX Decision Expert software runs on VAXstation computers. You can install the software if you are logged on to a terminal, but in order to run the Installation Verification Procedure (IVP) after installation, you must log on to a VAXstation keyboard without using a network.

This guide also gives details on several options to the installation procedure.

You must mount distribution media before you install Decision Expert software. The installation procedure prompts you to mount the volumes. For more information on how to mount distribution media, refer to the installation/operations guide for your specific processor.

1.1 Prerequisite Software

VAX Decision Expert Version 1.0 requires VMS Version 5.1, including DECwindows.

1.2 Accessing the Online Release Notes

Decision Expert software provides online release notes. The prompt to display or print the release notes before installation appears in step 5 of the installation procedure when you invoke VMSINSTAL with the OPTIONS N parameter.

To read the release notes after the installation, display or print the file SYS$HELP:DEEX$010.RELEASE_NOTES.

1.3 Installation Procedure Requirements

The installation takes approximately 10 to 15 minutes, depending on the type of media and your system configuration. Before installing Decision Expert software, you must have the following privileges and resources:

- SETPRV privileges, or CMKRNL, WORLD, and SYSPRV privileges.
- A minimum of 9000 blocks of free disk space during installation.
- Enough physical memory to support a minimum configuration of the VMS V5.1 operating system with the DECwindows V5.1 windowing system. Digital Strongly recommends that you have a minimum of 8 megabytes of physical memory.

1.4 User Account Quotas and Privileges

To use Decision Expert software, each account must have TMPMBX and NETMBX privileges, and the following minimum requirements:

- AST limit (ASTLM) 24 (minimum)
- Buffered I/O quota (BIOLM) 18 (minimum)
- Buffered I/O byte count quota (BYTLM) 8192 (minimum)
- Direct I/O quota (DIOLM) 18 (minimum)
- Enqueue quota (ENQLM) 30 (minimum)
- Open file limit (FILLM) 20 (minimum)

- Paging file quota (PGFLQUOTA) 10,240 pages (minimum)
- Subprocess creation quota (PRCLM) 2 (minimum)
- Working set size (WSDEF) 150 pages (minimum) 1024 pages (optimum)

Use the VMS Authorize Utility (AUTHORIZE) to compare the current values of these quotas with the requirements for Decision Expert. The following example uses the SYSTEM account:

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

To change the values of these quotas, use the VMS Authorize Utility's MODIFY command. For more information, see the *VMS Authorize Utility Manual*.

1.5 Special Requirements

Decision Expert software requires manual registration with a Product Authorization Key (PAK). Be sure to register Decision Expert software before starting the installation procedure to ensure a successful installation.

The VMS License Management Facility is part of Version 5.1 of the VMS operating system. If you are installing VAX Decision Expert software on a VMS Version 5.1 system, you must register your software license.

The license registration information you need is contained in the PAK that is shipped with VAX Decision Expert software. The PAK is a paper certificate that contains information about your license to run a particular piece of software.

It is best to register your VAX Decision Expert license before you perform the installation. During the installation, you are asked if you have registered the VAX Decision Expert license and loaded the appropriate authorization key. If you have not already done so, you can complete the installation; however, you will not be able to run either the VAX Decision Expert development package or its Installation Verification Procedure (IVP). In addition, you must be logged on to a VAXstation to use the Decision Expert development package and to run the IVP. Once you perform the license registration and have loaded an authorization key, you will be able to run the IVP and use VAX Decision Expert on a VAXstation.

Under VMS Version 5.1, some products use the VMS License Management Facility (LMF) to register the product on line automatically. Decision Expert software does not use the License Management Facility to automatically register Decision Expert.

Refer to your "License Software Product, Product Authorization Key" form for license registration procedures. That document provides a sample session.

1.6 Using VMSINSTAL

This section reviews how to use the command procedure VMSINSTAL. See Chapter 2 for specific installation procedures for Decision Expert software. Appendix A shows a sample installation.

After you log in to the SYSTEM account to install the Decision Expert software, set default to SYS$UPDATE and then invoke VMSINSTAL, the command procedure that installs this product. An example of this procedure is shown in steps 1 and 2 of Chapter 2. The command formats are as follows:

```
$ SET DEFAULT SYS$UPDATE
$ @VMSINSTAL DEEX010 MUA0: [OPTIONS N]
```

The command parameters are described in the next paragraphs. If you do not supply the first two parameters, VMSINSTAL prompts you for the product and device names. If you want 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
```

The parameters are defined below.

DEEX010
Represents the release name of VAX Decision Expert software. Refer to the label on the VAX Decision Expert distribution kit or the VAX Decision Expert BOM for the release version number of your kit. You can also type an asterisk (*) in place of DEEX010. If you are installing from magnetic tape, you can use the asterisk to save installation time; using the asterisk installs the software with a minimum number of tape passes.

MUA0:
Represents the name of the device on which you plan to mount the media, where MUA is the device code and 0 is the unit number. It is not necessary to use the console drive to install the software. If you use the console drive, you should replace any media you removed from the drive. MUA0: is the device name used in examples in this document.

OPTIONS N

An optional parameter indicating that 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. Digital Strongly recommends that you read the release notes before proceeding with this installation.

VMSINSTAL has several other options; for information, see the VMS documentation on Software Installation.

When you invoke VMSINSTAL, it checks the following:

- Whether you have logged in to a privileged account. Digital Recommends that you install software from the system manager's account with your default device and directory set to SYS$UPDATE.
- Whether you have adequate quotas for installation. VMSINSTAL checks for the following quota values:
  - ASTLM = 24
  - BIOLM = 18
  - BYTLM = 18,000
  - DIOLM = 18
  - ENQLM = 30
  - FILLM = 20

  Then VMSINSTAL checks the following:

  - Whether DECnet is up and running
  - Whether any users are logged in to the system

  If VMSINSTAL detects that either of these conditions is true, the system asks whether you want to continue the installation. If you want to continue, type `YES`. If you want to stop the installation, press Return .

Chapter 2

Installing VAX Decision Expert

This section explains each step of the installation procedure. Note that throughout the installation procedure, default values appear in brackets.

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

2.1 Steps to Install VAX Decision Expert

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

If your VMS account requires a secondary password, a third field appears on the screen after your user name and primary password are verified. Enter your secondary password in the same way you entered your primary password.

Set your default device and directory as follows:

```
$  SET DEFAULT SYS$UPDATE
```

See Section 2.3 for information on how to install this software on a VAXcluster system.

Step 2: Invoke VMSINSTAL.

Digital recommends that you back up the system disk before installing any software on top of the operating system. Use the backup procedures that have been established at your site. For details on backing up a system disk, see the section on the Backup Utility in the VMS documentation set.

NOTE

Each question in the installation is marked with an asterisk (*) at the beginning of the line. Some questions show the default response in brackets, for example `[YES]`. If you want to give the default response, press Return .

To start installation of Decision Expert software, invoke VMSINSTAL as follows:

```
$  @VMSINSTAL DEEX010 MUA0: OPTIONS N

    VAX/VMS Software Product Installation Procedure V5.1


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

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

If you are satisfied with the backup of your system disk, press Return. Otherwise, type NO and press Return to abort the installation.

Step 3: Insert the first installation kit volume.

Follow the system prompts:

```
Please mount the first volume of the set on MUA0:.
* Are you ready?  YES
The following products will be processed:

    DEEX V1.0

    Beginning installation of VAX Decision Expert V1.0
    at hh:mm

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

Step 4: Insert the subsequent installation kit volumes.

If you have additional media, follow the system prompts:

```
%BACKUP-I-READYREAD, mount volume 2 on _MUA0: for reading

Enter "YES" when ready:  YES
```

If you respond NO instead of YES, VMSINSTAL displays the prompt again. The system displays these prompts only if your installation kit contains more than one volume.

Step 5: Select a release notes option.

This step applies when you specify OPTIONS N in step 2. Follow the system prompts:

```
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]:
```

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.

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, which is shown in brackets.

If you select option 3, VMSINSTAL displays the release notes on line immediately and then prompts you for a queue name. After you supply a queue name or press Return, the release notes are copied to the file SYS$HELP:DEEX$010.RELEASE_NOTES.

CAUTION

This version of the release notes file is labeled with the current product name and version number. Take care not to delete release notes for previous versions.

Next, follow the system prompt to continue the installation:

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

If you enter NO or press Return to enter the default [N], VMSINSTAL discontinues the installation. VMSINSTAL moves the release notes to SYS$HELP regardless of the response that you enter.

Step 6: Select installation options.

You must select several installation options. A default for each action is shown in brackets after the installation question. To use the default action, press Return for each response.

The following three actions specify the directory in which to install Decision Expert software and whether to purge Decision Expert files. Follow the system prompts:

```
* In which directory is VAX Decision Expert to be
installed [SYS$COMMON:[DEEX$SYSTEM]]:

* Is directory SYS$COMMON:[DEEX$SYSTEM] correct [YES]?

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

If this is not the first time you have installed this product, the directories SYS$STARTUP, SYS$HELP, SYS$TEST, SYS$MESSAGE, and DEEX$SYSTEM may contain previous versions of Decision Expert files. These files are replaced during the installation with new files, but the old files are not automatically purged. Purging is recommended. In response to the purging prompt, press Return to purge the files or type NO to keep them.

Next, the installation procedure asks if you want to run the Installation Verification Procedure (IVP). The IVP runs tests that check whether the installation procedure was successful. Press Return for the default response if you want to run the IVP. If you are logged on to a terminal, you cannot run the IVP.

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

If you do not want to run the IVP, respond NO to the prompt.

Finally, the installation procedure asks if you have the correct license for the software. Respond to the prompt:

```
        Product:      DECISION-EXPERT
        Producer:     DEC
        Version:      1.0
        Release Date: 13-DEC-1988

* Does this product have an authorization key registered
and loaded?  YES
%DEEX-I-NOMOREQUESTIONS, No further questions will be
asked.
```

The screen displays a list of system disk directories that the product creates.

Step 7: Read informational messages.

The VAX Decision Expert installation procedure produces a number of informational messages that report on the progress of the installation. If installation is successful, the system displays the following message:

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

The new or modified files are moved to their target directories. In addition, the SYS$HELP:HELPLIB.HLB and SYS$LIBRARY:DCLTABLES.EXE files are updated to include the new versions of the Decision Expert Help text and the DECIDE command line definition. Also, if you have entered YES at the file purge prompt at step 6, the system purges previous versions of the Decision Expert files at this time.

Table 2–1 shows the files that the installation procedure modifies or adds to the system, grouped by the directory to which it copies them.

Table 2–1: Files the Installation Procedure Modifies or Adds

File	Directory
DEEX$STARTUP.COM	SYS$STARTUP
DEEX$BUILD.COM	DEEX$SYSTEM
DEEX$CONVERT_KB.COM	DEEX$SYSTEM
DEEX$CVTKB.OBJ	DEEX$SYSTEM
DEEX$DCL.CLD	DEEX$SYSTEM
DEEX$DEFS.ADA	DEEX$SYSTEM
DEEX$DEFS.BAS	DEEX$SYSTEM
DEEX$DEFS.DTR	DEEX$SYSTEM
DEEX$DEFS.FOR	DEEX$SYSTEM
DEEX$DEFS.H	DEEX$SYSTEM
DEEX$DEFS.MAR	DEEX$SYSTEM
DEEX$DEFS.PAS	DEEX$SYSTEM
DEEX$DEFS.PLI	DEEX$SYSTEM
DEEX$DEFS.R32	DEEX$SYSTEM
DEEX$DEFS.SDL	DEEX$SYSTEM
DEEX$DELCMD.DAT	DEEX$SYSTEM
DEEX$DELIVER_MAIN.EXE	DEEX$SYSTEM
DEEX$DELIVER_MAIN_OPTION.OPT	DEEX$SYSTEM
DEEX$DELIVER_SHR.EXE	DEEX$SYSTEM
DEEX$DELIVER_SHR_OPTION.OPT	DEEX$SYSTEM
DEEX$DELIVER_OBJLIB.OLB	DEEX$SYSTEM
DEEX$DEVELOP_MAIN.EXE	DEEX$SYSTEM
DEEX$DEVELOP_MAIN_OPTION.OPT	DEEX$SYSTEM
DEEX$DEVELOP_OBJLIB.OLB	DEEX$SYSTEM
DEEX$DEVELOP_SHR.EXE	DEEX$SYSTEM
DEEX$DEVELOP_SHR_OPTION.OPT	DEEX$SYSTEM
DEEX$DUMP.OBJ	DEEX$SYSTEM

(continued on next page)

Table 2–1 (Cont.): Files the Installation Procedure Modifies or Adds

File	Directory
DEEX$HELP.HLB	DEEX$SYSTEM
DEEX$KEYTBLS.DAT	DEEX$SYSTEM
DEEX$MSG.ADA	DEEX$SYSTEM
DEEX$MSG.BAS	DEEX$SYSTEM
DEEX$MSG.DTR	DEEX$SYSTEM
DEEX$MSG.FOR	DEEX$SYSTEM
DEEX$MSG.H	DEEX$SYSTEM
DEEX$MSG.MAR	DEEX$SYSTEM
DEEX$MSG.MSG	DEEX$SYSTEM
DEEX$MSG.PAS	DEEX$SYSTEM
DEEX$MSG.PLI	DEEX$SYSTEM
DEEX$MSG.R32	DEEX$SYSTEM
DEEX$MSG.SDL	DEEX$SYSTEM
DEEX$PROFILE.KBASE	DEEX$SYSTEM
DEEX$RULCMD.DAT	DEEX$SYSTEM
DEEX$SUPCMD.DAT	DEEX$SYSTEM
DEEX$SUPPORT_OBJLIB.OLB	DEEX$SYSTEM
DEEX$TRECMD.DAT	DEEX$SYSTEM
DEEX$UIL.UID	DEEX$SYSTEM
DEEX$UIL.UIL	DEEX$SYSTEM
DEEX$UPDKBV2.TXT	DEEX$SYSTEM
DEEX$UTLCMD.DAT	DEEX$SYSTEM
CVTKB.EXE (Unsupported)	DEEX$SYSTEM
DUMP.EXE (Unsupported)	DEEX$SYSTEM
UPDKBV2.EXE (Unsupported)	DEEX$SYSTEM
DEEX$DCL.CLD	DEEX$EXAMPLES
DEEX$BUILD_DELIVERY.COM	DEEX$EXAMPLES
DEEX$COPY_DELIVERY.COM	DEEX$EXAMPLES
DEEX$DELIVERY_EXAMPLE_MAIN.OPT	DEEX$EXAMPLES

(continued on next page)

Table 2–1 (Cont.): Files the Installation Procedure Modifies or Adds

File	Directory
DEEX$DELIVERY_EXAMPLE_SHR.OPT	DEEX$EXAMPLES
DEEX$EXAMPLE_DCL.CLD	DEEX$EXAMPLES
DEEX$EXAMPLE_MAIN.MAR	DEEX$EXAMPLES
DEEX$EXAMPLE_VERSION.MAR	DEEX$EXAMPLES
DEEX$010.RELEASE_NOTES	SYS$HELP
HELPLIB.HLB (Modified)	SYS$HELP
DCLTABLES.EXE (Modified)	SYS$LIBRARY
DEEX$CKRCVR.IFT	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$CKTTBL.AOR	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$DICON.IFT	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$FACT.KBASE	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$MOTOR.DEC	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$NODE.KBASE	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$RCRDSTUB.DEC	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$RCVRFBS.IFT	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$RCVRFNS.IFT	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$RCVROK.DEC	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$REFTBL.KBASE	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$SYMANAL.IFT	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$SYMPTOM.DEC	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$SYSOK.DEC	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$TOP.DEC	SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI]
DEEX$IVP.COM	SYS$TEST
DEEX$DELIVER_IVP_ MASTER.SCRIPT	SYS$SYSROOT:[SYSTEST.DEEX]
DEEX$DEVELOP_IVP_ MASTER.SCRIPT	SYS$SYSROOT:[SYSTEST.DEEX]

Step 8: Observe the Installation Verification Procedure.

If you chose to run the IVP in step 6, VMSINSTAL calls the IVP now to verify that the software has been installed successfully. The Decision Expert software constructs an if-then table, runs inference in both the delivery environment and the delivery package, and compares the results. Observe

the system messages. If you are logged on to a terminal and you chose to run the IVP in step 6, the IVP fails.

Step 9: End the installation procedure.

When the installation procedure is complete, the system displays this message:

```
Installation of
 VAX Decision Expert V1.0 completed at hh:mm

VMSINSTAL procedure done at hh:mm

$
```

If you have removed any media from the console drive before beginning the installation, you should replace it now.

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, log out and log in again.

2.2 VAX Decision Expert Logical Names

When you run @SYS$STARTUP:DEEX$STARTUP.COM, a system-wide logical name table is created on your system and added to the default logical name table search lists. Table 2–2 lists the logical names. Check to make sure the installation has worked correctly by issuing the following command:

```
$  SHOW LOGICAL DEEX*
```

Table 2–2: Logical Names

Logical Name	File or Directory Identified
DEEX$DELIVER_MAIN	Decision Expert delivery system executable file
DEEX$DEVELOP_MAIN	Decision Expert development system executable file
DEEX$DELIVER_SHR	Decision Expert delivery system shareable image
DEEX$DEVELOP_SHR	Decision Expert development system shareable image
DEEX$EXAMPLES	Directory of example knowledge bases
DEEX$HELP	Decision Expert Help library files
DEEX$KBASES	Directory where the knowledge base directories reside
DEEX$KEYBINDINGS	Directory where the key binding definitions reside
DEEX$PROFILE	Directory where the user profile file resides
DEEX$SYSTEM	Decision Expert software system directory
DEEX$UIL_DIR	Directory where the User Interface Database (UID) file resides

2.3 Installing VAX Decision Expert on a VAXcluster System

If you want to run the Decision Expert software on multiple nodes of a VAXcluster system, first check to see that you have the appropriate software license. Then, follow these steps after installing the software:

1. Run the following commands on each node of the cluster:

```
$  LICENSE LOAD DECISION-EXPERT
$  @SYS$STARTUP:DEEX$STARTUP.COM
```

2. To use the product on other nodes in the VAXcluster, you must replace the version of the DCL tables that is installed on the other VAXcluster nodes. To do so, perform the following steps:
   a. Log on to a node on the cluster.
   b. Run VMSINSTAL and enter the following command at the INSTALL> prompt:

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

   c. Repeat steps a and b for each node on the cluster.

Chapter 3

After the Installation

After installing the VAX Decision Expert software, you need to perform the following tasks:

- Edit the system startup and shutdown files.
- Reboot the system.
- Set user account quotas.
- Modify system parameter settings.
- Modify the system startup command file (usually named SYS$MANAGER:SYSTARTUP_V5.COM) to execute the file SYS$STARTUP:DEEX$STARTUP.COM each time the system reboots. This action defines the logical names required for the VAX Decision Expert product.

The VAX Decision Expert software is now installed and all users can invoke it with the DECIDE command.

You may want to install the shareable images DEEX$DEVELOP_SHR.EXE and DEEX$DELIVER_SHR.EXE in memory to improve performance. See the *VMS Install Utility Manual*.

The installation procedure modifies the DCL command table so that the system recognizes and processes the DECIDE command. However, the previous command table is still in effect for those users who are currently logged in. All logged-in users who want to use the DECIDE command must log out and log in again.

3.1 Running the Installation Verification Procedure Separately

When you install the software while logged on to a VAXstation, you usually run the Installation Verification Procedure (IVP) at installation. If you want to run the IVP separately to ensure the integrity of installed files after system problems occur, log on to a VAXstation and execute the following command procedure:

```
$  @SYS$SYSCOMMON:[SYSTEST]DEEX$IVP.COM
```

If the IVP fails, the system displays error messages as described in Section 3.2.

3.2 Error Conditions

If the installation procedure fails, the software displays a message similar to the following:

```
%VMSINSTAL-E-INSFAIL, The installation of

 VAX Decision Expert V1.0 has failed.
```

An error during the installation can occur if one or more of the following conditions exists:

- The operating system version is incorrect.
- The prerequisite software version is incorrect.
- The quotas necessary for successful installation are insufficient (see Chapter 2).
- The process quotas required by VMSINSTAL are incorrect (see Section 1.6).
- The VMS Help library is currently in use.
- The product was registered incorrectly or not registered.

For descriptions of the error messages generated by these conditions, refer to the *VMS System Messages and Recovery Procedures Reference Volume*, the installation/operations guide for your processor, or the *VMS License Management Utility Manual*.

If the system notifies you that any of these conditions exists, you should take appropriate action as described in the message. You may need to change a system parameter or increase an authorized quota value.

If the installation fails, you must restart the installation procedure from step 2. If the installation fails due to an IVP failure, and you are installing the product while logged on to a VAXstation, contact a Digital Field Service representative.

3.3 Maintenance Updates

Digital issues periodic maintenance updates of Decision Expert software. Each update consists of an installation kit. Install the kit as described in this document or in the documentation that accompanies the maintenance update.

Each time a maintenance update is released, the version number changes. For example, if the current version is V1.0, the version number of the first maintenance update will be V1.1. In addition, the maintenance update includes new release notes. The release notes describe the changes that have been made to Decision Expert since the previous release.

The update release notes are provided on line. You should read the release notes before you install the Decision Expert software; 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 Decision Expert, follow the installation procedure through step 5. To locate the release notes after you have installed the software, display or print the file DEEX$010.RELEASE_NOTES.

3.4 Determining and Reporting Problems

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

- If you purchased Decision Expert 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).

Appendix A

Sample Installation

This section contains a .LOG file for a sample installation of VAX Decision Expert software. The installation procedure is sometimes modified in maintenance updates of this product. Because this installation guide is not usually revised for maintenance updates, be sure to read the letter entitled *Read Before Installing or Using VAX Decision Expert* before you install this product. The letter notes any significant changes in the installation procedure.

```
  Unauthorized Access is Prohibited

Username: SYSTEM
Password:

  Property of Digital Equipment Corporation - INTERNAL USE ONLY

 Welcome to VAX/VMS V5.1

    Last interactive login on Friday, 14-APR-1989 13:45
    Last non-interactive login on Thursday, 13-APR-1989 11:27

$ set default sys$update
$ @vmsinstal deex010 mua0: options n

 VAX/VMS Software Product Installation Procedure V5.1


It is 14-APR-1989 at 13:54.
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
* Are you satisfied with the backup of your system disk [YES]?

Please mount the first volume of the set on  MUA0:.
* Are you ready? YES
%MOUNT-I-MOUNTED, DEEX01 mounted on _MUA0:
The following products will be processed:
  DEEX V1.0

 Beginning installation of DEEX V1.0 at 13:57

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

    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]:
* Do you want to continue the installation? YES
* In which directory is VAX Decision Expert to be installed
[SYS$COMMON:[DEEX$SYSTEM]]:
* Is directory SYS$COMMON:[DEEX$SYSTEM] correct [YES]?
* Do you want to purge files replaced by this installation [YES]?

    This kit contains an Installation Verification Procedure (IVP)
    to verify the correct installation of the VAX Decision Expert
    system. It can be run prior to the conclusion of this procedure
    by answering "YES" to the IVP prompt or invoked after the
    installation as follows:

    @SYS$COMMON:[SYSTEST]DEEX$IVP.COM

* Do you want to run the IVP after the installation [YES]? NO

        Product:      DECISION-EXPERT
        Producer:     DEC
        Version:      1.0
        Release Date: 13-DEC-1988

* Does this product have an authorization key registered
and loaded? YES
%DEEX-I-NOMOREQUESTIONS, No further questions will be asked.
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$COMMON:[SYSHLP.EXAMPLES.DEEX].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$COMMON:[SYSHLP.EXAMPLES.DEEX.FULLHIFI].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
VMI$ROOT:[SYSTEST.DEEX].
%VMSINSTAL-I-SYSDIR, This product creates system disk directory
SYS$COMMON:[DEEX$SYSTEM].

 You should modify the system startup command file
 usually named SYS$MANAGER:SYSTARTUP_V5.COM to
 execute the file SYS$STARTUP:DEEX$STARTUP.COM each
 time the system reboots.  This defines the logical
 names required for the VAX Decision Expert product.

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


 Installation of DEEX V1.0 completed at 14:18

 VMSINSTAL procedure done at 14:18

$ logout
  SYSTEM       logged out at 14-APR-1989 14:20:10.36
```

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