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*VAXmate*TM

*Operating Environment
Release Notes*

digital
software

VAXmate[™]

*Operating Environment
Release Notes*

Version 1.1

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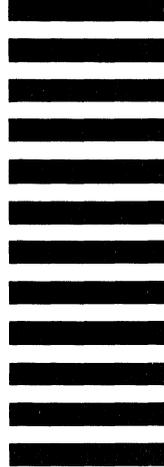
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Preface

The *VAXmate Operating Environment Version 1.1 Release Notes* provide information that supplements the VAXmate documentation set. This document contains the following sections:

- Release Notes, divided into the following subsections:
 - Notes for All Users
 - Notes for the System Administrator
 - Notes for the Programmer
- Notes for the Standalone System User

VAXmate system administrators should read all release notes and ensure that users and programmers receive copies of the notes that pertain to them or put the notes into the "Notes from Your System Administrator" section of the on-line Information System.

System administrators should also read the release notes stored in SYS\$HELP after installation of the VMS server is complete.

Release Notes

Notes for All Users

MS-Windows

Notepad

- Notepad loses the first character of a line if the preceding line ends with a carriage return, line feed, carriage return (CR,LF,CR).
- Notepad cannot always correctly edit files created under other text editors. For example, if the file contains a carriage return (CR) that is not followed by a linefeed (LF), Notepad ignores the first character after the CR, assuming that it is an LF. The character is in the edit buffer, but is not displayed. If you edit and save the file, the character is lost.
- When you use Notepad to open a nontext file, a message displays stating that the file does not contain text. However, the non-text information may be displayed if Notepad receives a message from Paint before another file is opened.

Control Panel — A currency symbol cannot exceed five characters, even though you can enter more than five characters in the Currency Symbol field.

Calendar — When using the Calendar program, keep the size of the .CAL file smaller than 32K bytes. Use the Remove option to remove past months. You may have to restart your workstation if you try to save a Calendar file of greater than 32K bytes.

Notes for All Users

Formatting a Low-Density Disk — The Format Data Disk command in the MS-DOS Executive Special menu always formats to the highest capacity of the drive. To format diskettes of other densities, use the FORMAT command with the MS-DOS Executive File menu's Run option and respond with appropriate parameters when prompted.

Saving a Screen Image — When running a standard application, you may see the following message:

Not enough disk space for screen exchange

MS-Windows cannot save the screen image to a file because an error occurred while it was writing the file or because the drive being used was read only.

The Alt Key — When you hold down the Alt key for an extended period of time, the MS-Windows keyboard buffer overflows and the keyboard "bell" sounds. To clear the buffer, release the Alt key, then press and release the Alt key again.

Alt Tab — If you use COMMAND.COM instead of the MS-DOS Executive to run a standard application that does not run in a window but allows use of Alt/Tab to change the input focus, Alt/Tab does not change the input focus.

Pop-Up Windows — If you display a pop-up window on the screen so that it becomes unreachable with the mouse, use the keyboard to reference it and move it. Press the Alt/Tab keys to give the pop-up window the input focus, then use Alt/Spacebar to open the system menu. Select the Move command to move the window.

Directories — In applications that have an Open command in the File menu, there is usually a "[.]" within the list box in the Open dialog box. The "[.]" represents the directory above the current directory and indicates that the current directory is a subdirectory. If the drive is on a VMS server, the "[.]" is not displayed. To move up to the higher-level directory, type ".." in the "File name" text entry field.

Unavailable Network Drive —

- When you are displaying more than one window and in the active window get an error message that requires a response (for example, "Abort, Ignore, Retry?"), you must respond to the message before changing the focus to another window. If you change the focus to another window before responding to the prompt or before the

prompt appears, you must restart your workstation.

- MS-Windows can lose access to its executable files on a network drive if the network becomes unavailable. To prevent loss of data in this event, add commands to your AUTOEXEC.BAT file on your key diskette that:
 1. Copy the WIN100.OVL file to your hard disk or a virtual drive configured in memory.

Using a virtual drive in memory can increase MS-Windows performance.
 2. Add the name of the drive and directory containing the WIN100.OVL file as the first item of the PATH environment variable. e.g., PATH=D\; ...
- Some MS-Windows applications (for example, the Information System or Control Panel) are unable to continue if the network becomes unavailable while you are using them. You can receive one of the following error messages:

```
Net 805: Network device no longer exists
System Error reading Drive x
Cannot read from Drive x
Not enough memory
```

To continue, you must restart your workstation.

VT220 Terminal Emulator

Data Overrun Errors — When using an editor on the host computer, certain operations (such as pasting or sending characters from a file to the host) can cause loss of characters. You can minimize character loss by using the SET TERMINAL/HOSTSYNC command on the VMS system and by not rapidly repeating cut and paste operations.

Autorepeat — Autorepeat works incorrectly when you are using EDT on the host system in VT100 mode. You can avoid this problem by using the following VMS commands:

```
$ SET TERM/DEV=vt200
$ SET TERM/INQUIRE
```

Setup — You cannot enter control characters into the answerback string in the Setup Answerback dialog box (Keyboard Menu).

VT240 Terminal Emulator

MS-Windows — The VT240 terminal emulator is not an MS-Windows application. You can run the VT240 terminal emulator from MS-Windows or directly from MS-DOS. To use the COM1: serial communications port when running the VT240 terminal emulator from MS-Windows, you must run VT240CM1.PIF, not VT240.PIF or VT240.EXE. The VT240 terminal emulator uses only network communications.

Drive B — Do not use drive B with the VT240 terminal emulator.

Some Monochrome Shades Not Discernible — For some colors that are adjacent on the color scale, a variation of only four levels exists between each shade of a color. Sometimes the shades appear to be the same. You can correct this by using Set-Up to modify the grey-scale values in your color map.

Auto Print Mode Ignores <Ctrl/F2> — In Set-Up, once you start Auto Print by pressing the Ctrl/F2 keys, pressing the Ctrl/F2 keys again does not always turn Auto Printing off. To turn off Auto Print, disable the Auto Print Mode selection in the Printer menu.

Insufficient Memory to Run MS-DOS — Before exiting to MS-DOS, the emulator verifies if enough memory is available to run COMMAND.COM and displays an error message if there is not. However, when enough memory is available to run COMMAND.COM, but not enough to run anything else, control returns to the emulator with no explanation.

Printing

LA75 Esc/Ctrl Sequences — The following IBM escape sequences place the printer into special modes where control characters are processed as selection parameters or printable characters. Some of these sequences conflict with valid DIGITAL sequences that you can send to the printer. For example, if you send a DIGITAL print mode file to the printer when it is in IBM print mode, the characters printed would be incorrect and the printer could lock up. The lock-up is unavoidable, as the escape sequences that the DIGITAL and IBM modes recognize overlap. If the printer locks up, turn the printer power off and then on again.

Table 1 LA75 Esc/Ctrl Sequences

IBM		DIGITAL
ESC B Pn1 Pn2 ... NUL	Set Vertical Tabs	no ESC B
ESC D Pn1 Pn2 ... NUL	Set Horizontal Tabs	IND
ESC \ n1 n2 v1 v2 ...	Select All Characters Set	String Terminator
ESC K n1 n2 v1 v2 ...	480-bit graphics mode	PLD
ESC L n1 n2 v1 v2 ...	960-bit graphics mode	PLU
ESC Y n1 n2 v1 v2 ...	960-bit graphics mode	no ESC Y
ESC Z n1 n2 v1 v2 ...	1920-bit graphics mode	no ESC Z
ESC = n1 n2 ...	Character download	no ESC =

Notes for the System Administrator

Installation

Maximum Links — In order to run the VAX/VMS server operator interface, use NCP (Network Control Program) to set the maximum number of links to 1 plus the VAX/VMS server session limit. This limit defaults to 32. If all 32 sessions are in use by workstations, no session is available to support the operator interface. You can increase the session limit by using the following command:

```
$ MCR NCP SET EXECUTOR MAXIMUM LINKS 33
```

VMS Operating System Upgrade — If you upgrade your VMS operating system to a new version, be sure to copy the network database files before you begin the VMS upgrade. Restore the files after the upgrade. If you do not perform this operation, the PCFS_STARTUP command procedure returns error messages such as "%PFCS-E-BAD_PROT, protocol refused." To recover from this problem, use the following commands in this sequence:

```
NCP DEFINE OBJECT PCFS NUMBER 64 PROXY NONE
NCP SET OBJECT PCFS NUMBER 64 PROXY NONE
@SYS$MANAGER:PCFS_STARTUP
```

VAX/VMS Server

CLOSE FILE Command — If you use the /ID qualifier with the CLOSE FILE command, and the file id is greater than six digits, the following message displays:

```
%PFCS-E-BAD-INT, invalid numeric value -- supply a positive integer
```

The file is still open. Use the CLOSE FILE <filename> option to close the file.

CLOSE SESSION and CLOSE FILE Commands — The CLOSE SESSION <session name> and CLOSE FILE <file name> commands close only the first session or file with that name that the server finds if the file is opened multiple times. You may have to repeat the command to close each session or file.

Disk Space Shortage — If less than 64 blocks of free area are available on the volume that contains the alias to which a workstation is connected, the workstation cannot create any more files or extend the size of existing files.

Clusters — When running the server on a cluster, ensure that all workstations connecting to a *writable*, common directory connect from the same node on the cluster. All byte-range lock checks and file-write buffering are done on a per-node basis. All files that are opened for writing by two different workstations must be opened by the same server process.

System User Authorization File (SYSUAF) — If you create an entry in SYSUAF using angle brackets to delimit the directory portion of the root path, the VMS server displays that path in the SHOW CONNECTIONS and SHOW FILES commands with square brackets. However, the entry remains in SYSUAF with the angle brackets.

PCFS Administration Utility

Print Queues — If you create printer queues using the PCFS_ADMIN utility, add the following line to your VMS system start-up file (SYSTARTUP.COM):

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

Add Printer Option — The ADD printer option does not let you add the same printer type more than once. Attempts to do so generate error messages and corrupt the PCFS_PRINT.COM file. To recover, use the Delete Printer option and keep deleting the printer type until the "No Such Printer" message is displayed. At this point, you can use the Add Printer option to add the printer back again. The *VMS Server Guide* discusses how the PCFS_ADMIN utility uses queues, accounts, directories, and device control libraries to control printers at sites that use configurations other than the default printer configurations set up by the PCFS_ADMIN utility.

VAX/VMS Server/VAXmate Server Differences

Empty Printer Queue — An SMB SPLRETQ request sent to a VMS server with an empty print queue returns an error response to the workstation. The VAXmate server responds to the same request with a message indicating that no entries were found and no error occurred.

File Truncation — For file space allocation, when the VAXmate server

Notes for the System Administrator

truncates a file beyond its current end-of-file pointer, it extends the end-of-file pointer to the offset specified in the truncation request. The VMS server leaves the end-of-file pointer at its current location.

Illegal Packets — The VMS server usually terminates a session when it encounters an illegal packet. The VAXmate server responds with an error message.

Deny All Mode File Opening — If a workstation opens a file in Deny All mode and a second workstation attempts to delete or rename that file, the VAXmate server returns an error. The VMS server performs the delete or rename operation.

Session Closing — The VAXmate server allows multiple sessions created by the same workstation to be closed with the CLOSE SESSION command. The VAX/VMS server only allows one session to be closed at a time. A CLOSE SESSION command is required to close each session opened by that workstation.

Applications Installation — Some applications (for example, Microsoft CHART) install differently depending on whether they are installed on the VAXmate server or the VMS server. Specifically, subdirectories created to hold the various pieces of the application may be placed either off the root directory for the alias or as a subdirectory to the application subdirectory.

The application works correctly regardless of the placement of subdirectories. However, the PATH and APPEND variables of the MS-DOS environment will be different for the different servers. Refer to the application installation instructions for more information on how to designate the PATH and APPEND variables for the specific application.

VAXmate Server

Access Control Facility (/Permissions) — A hierarchy within the access control facility requires that if you allow write access to an alias, you must also allow read access. If you allow create access, you must allow both read and write access. Failure to use these conventions with the access control facility (/permissions) may produce unpredictable results.

Deleting Directories — A synchronization problem occurs when a workstation removes a directory that another workstation is using. The server allows the directory to be deleted because it has no mechanism for determining each workstation's "current" directory.

SHARE Program — Do not use the /F switch on the NET START SERVER command line. If you want a value for the number of files different from the default (which is three times the number of sessions), then manually edit your MSNET.INI file. A switch conflict exists between the SHARE program and the VAXmate SERVER program when the NET START SERVER command is used. The SERVER program /F qualifier indicates the number of simultaneous open files that the server supports. In the SHARE program, /F indicates the buffer size for file sharing. (The SHARE program /F qualifier may change in future releases of the VAXmate software.)

Printing

Using LPT2: for Printing — If you have two printers, LPT1: and LPT2:, connected to the VAXmate server, the LPT1: printer must be turned on and be on-line in order to print on LPT2:.

Redirecting an LPTn: Line — If you redirect an LPTn: line to a COM: device and the printer on the COM: device is not ready (out of paper, for example), the VAXmate server responds very slowly to workstation requests and console commands. This problem is related to the long wait associated with a retry on the COM: line.

Print Spool Files — If you issue a print command and the file does not print, check the disk space available. When you print a file, it is spooled to an area on disk. Sufficient disk space must exist for the spooling of the print file. Neither the VAXmate server nor the VAX/VMS server display a message if the space is insufficient.

Extra Form Feed in Printed Documents — To disable the extra form feed that results when printing long documents using MS-Windows from the VAX/VMS server, do the following:

1. Edit the PCFS_PRINT.COM file in the VMS SYS\$MANAGER directory.
2. Locate the line containing "INIT/QUEUE/ Txxx," where Txxx is the physical device.
3. Insert the string "/DEFAULT=(NOFEED)" as part of this command.
4. At the VMS prompt, type @PCFS_PRINT. When the command procedure completes, restart the workstation.

MS-NET/DECnet

NET USE — If the connection to drive H fails, no attempt is made to try to connect to an alternate server. If more than one server is available, make the following changes to the AUTOEXEC.BAT file:

1. Substitute the names of the primary and alternate servers for "server1" and "server2," respectively.
2. Locate the following line of code that connects drive H:

```
ECHO Cannot connect H: to \\server1\vxsys
```

3. Replace it with the following lines:

```
ECHO Cannot connect H: to \\server1\vxsys  
ECHO Connecting H: to \\server2\vxsys  
use H: \\server2\vxsys  
if not errorlevel 1 goto :Hcondone  
ECHO Can not connect H: to \\server2\vxsys
```

NET PRINT Restriction — NET PRINT always sends a file to the network printer in ASCII mode. Therefore, you cannot reliably use NET PRINT to print a file that contains graphics. Use COPY /B instead.

NCP

The MAXIMUM BUFFER value displayed by the command NCP SHOW EXECUTOR CHARACTERISTICS is the number of large data buffers that DECnet uses. These buffers are controlled by the datalink and not by DECnet.

The largest possible value for REBOOT MAXIMUM BUFFER, which is the number of buffers to be configured at the next reboot, is 84. The datalink uses the REBOOT MAXIMUM BUFFER value to configure its buffers, unless the value is zero. In this case, the datalink uses the MAXIMUM BUFFER value found in the DECnet database during startup. If the REBOOT MAXIMUM BUFFER is greater than 84, the datalink does not initialize and the network cannot be started.

The MAXIMUM BUFFER value displayed by NCP is the number of MAXIMUM LINKS times six. If the REBOOT MAXIMUM BUFFER value is not zero, the MAXIMUM BUFFER value displayed will not be the actual number of MAXIMUM BUFFERS. For example, if the REBOOT MAXIMUM LINKS value is 32 and REBOOT MAXIMUM BUFFER is 32, NCP displays the MAXIMUM BUFFERS value as 192, but the actual number of buffers that the datalink configures is 32.

Asynchronous Communications Port

IBM PC and PC/XT Only — Under heavy network traffic conditions, an interaction can occur between the ThinWire Ethernet port and the asynchronous communications port. This interaction may result in the occasional loss of incoming (received) characters on asynchronous ports that are operating at speeds above 4800 BPS. If you require asynchronous line speeds of 9600 BPS and are losing too many incoming characters, turn off the network software by temporarily removing the NET START RDR command from your AUTOEXEC.BAT file and restarting your system.

Also, whenever the network software is running, you must terminate the ThinWire Ethernet port. Failure to do so will result in heavy loss of incoming characters on the asynchronous port. You can terminate the port either by connecting it to a properly installed network or with a loopback connector.

VT220 Terminal Emulator

The VT220 terminal emulator may not function correctly with certain external modems due to inconsistencies of timing under MS-Windows. To avoid problems using external modems, use the VT240 terminal emulator.

Full Modem Control is incomplete: The VT220 emulator *does not* support full modem control. The MS-Windows operating environment does not support preemptive scheduling, which means that the timings required for full modem control may not be precise.

Known problems with the VT220 emulator full modem control are:

Notes for the System Administrator

- If DSR comes on and CD doesn't come on within 30 seconds, the terminal should initiate a disconnect.
- If CD is on and then it is dropped, the terminal should wait either 2 seconds or 60 milliseconds (based on the setup parameter) for CD to come back on. If it doesn't come back on, then the terminal should initiate a disconnect.
- A disconnect should turn DTR off for 220 milliseconds if DSR is off, and for 5 seconds if DSR is on, and then turn DTR back on.

As an alternative, use the VT240 emulator, which supports full modem control.

MS-Windows

Printing — When using the Generic/Text Only printer driver (LINE.DRV), lines greater than 80 columns do not wrap; they are truncated.

TEMP Variable — Ensure that the TEMP variable name in your environment points to a valid Read/Write directory if you see one of the following error messages:

PAINT: NOT ENOUGH DISK SPACE TO RUN PAINT.

CARDFILE: CANNOT CREATE TEMP FILE. YOU CANNOT MAKE CHANGES.

See the MS-DOS SET command to fix the key diskette.

Unsupported PIFs — The MS-Windows software installed on the server includes a directory, \WIN\PIF, that contains PIFs for a number of industry-standard applications. You can copy these PIFs into appropriate directories and use them at your discretion. These PIFs are unsupported and their presence is not to be construed as an endorsement by DIGITAL of any of the applications.

Table 2 contains the current list of unsupported PIFs.

Table 2 Unsupported PIFs

File Name	Product Name	To Run from EXE or COM, Rename To:
123.PIF	Lotus 1-2-3	
123-2.PIF	Lotus 1-2-3 V 2.	123.PIF
2020.PIF	Access 2020 1.1 Batch File	
35MM.PIF	35MM Express	
ACCESS.PIF	dBase III + Access	
AUTOCAD.PIF	Autocad	
AUTOPOP.PIF	Setup for Bellesoft Pop-Ups	
BRIEF.PIF	Brief Text Editor	
CHART.PIF	MS Chart	
CLOUT.PIF	Clout	
CM1.PIF	Chart Master	
CONFIGUR.PIF	Volkswriter Configure Program	
CONVERT.PIF	Convert Wordstar to WORD	
CONVERTD.PIF	Convert Data File	
DBASE.PIF	Ashton-Tate dBase	
DBASE2.PIF	Ashton-Tate dBase II	DBASE.PIF
DBASE3.PIF	Ashton-Tate dBase III	DBASE.PIF
DEASE.PIF	SoftEase DataEase	
DESQ.PIF	DESQ	
DIFF.PIF	Difference	
DOODLE.PIF	MS Doodle	
DW2PG.PIF	IBM DisplayWriter 2	
DW3PG.PIF	IBM DisplayWriter 3	
ED.PIF	PC Write	
EDIT.PIF	IBM Professional Editor	

Notes for the System Administrator

Table 2 Unsupported PIFs (cont.)

File Name	Product Name	To Run from EXE or COM, Rename To:
EDITPAT.PIF	Multimate 3.2 Printer Action Utility	
EDITSAT.PIF	Multimate 3.2 Sheet Feeder Utility	
FILE.PIF	IBM Filing Assistant	
FILECONV.PIF	Multimate 3.2 File Convert Program	
FW.PIF	Framework	
FWC.PIF	Framework	
FWT.PIF	Framework	
GEM.PIF	Digital Research GEM	
GRAPH.PIF	IBM Graphing Assistant	
GSX.PIF	Access 2020 1.1 Driver Program	
HPM.PIF	Harvard Project Manager	
HTPM.PIF	Harvard Project Manager	
INSTALL.PIF	Lotus 1-2-3 Installation Program	
KFLOAT.PIF	KnowledgeMan I Math Functions	
KMAN.PIF	KnowledgeMan	
LAYOUT.PIF	ProKey Keyboard Layout	
LIFE.PIF	MS Life	
LINKMC.PIF	Chart Linker (Pre 2.0)	
LOGO.PIF	IBM Logo for Assistant Series	
LOTUS.PIF	Lotus Accessing System	
LOTUS2.PIF	Lotus Accessing System	LOTUS.PIF
LPR.PIF	Line Printing Program	
MENU.PIF	MS Mouse Menu	
MM.PIF	Multimate Advantage	
MOUSE.PIF	Microsoft Mouse Driver	
MP.PIF	MS Multiplan	
MP40.PIF	MS Multiplan	
MP80.PIF	MS Multiplan	
MSACCESS.PIF	MS Access	ACCESS.PIF
MSCOM.PIF	File Transfer Facility	
NCSNIPES.PIF	SNIPES	
NU.PIF	Norton Utilities	
O2020.PIF	Access 2020 1.1	
OE.PIF	Overhead Express	

Table 2 Unsupported PIFs (cont.)

File Name	Product Name	To Run from EXE or COM, Rename TO:
ONFILE.PIF	Multimate Onfile	
PC-DRAW.PIF	Micrografx PC-Draw	
PC-TALK3.PIF	PC-TALK Comm Program	
PE.PIF	IBM Personal Editor	
PFSACCES.PIF	PFS Access	ACCESS.PIF
PFSFILE.PIF	PFS File V B	FILE.PIF
PFSGRAPH.PIF	PFS Graph V B	GRAPH.PIF
PFSREPR.T.PIF	PFS Report V B	REPR.T.PIF
PFSSETUP.PIF	PFS Setup	SETUP.PIF
PFSWRITE.PIF	PFS:Write V B	WRITE.PIF
PGRAPH.PIF	Printgraph for Symphony 1.1	
PIANO.PIF	MS Piano	
PKLOAD.PIF	ProKey	
PLAN.PIF	PFS Plan	
POPALARM.PIF	Pop Up Alarm	
POPCLIP.PIF	Pop Up Clipboard	
POPDOS2.PIF	Pop Up DOS	
POPMODEM.PIF	Pop Up Modem	
POPNOTE.PIF	Pop Up Notepad	
POPVOICE.PIF	Pop Up Dialer	
PROEDIT.PIF	IBM Professional Editor	
PROJ.PIF	MS Project	
PROJM.PIF	MS Project	
PROKEY.PIF	ProKey	
PROMGEN.PIF	R:Base Prompt Editor	
PROOF.PIF	PFS Proof	
RB5000.PIF	R:Base 5000	
RBASE.PIF	MicroRim R:Base	
RBEDIT.PIF	R:Base Screen Editor	
RECOVERY.PIF	Multimate 3.2 Recovery	
REFLEX.PIF	REFLEX, The Analyst	
REFLEX2.PIF	REFLEX Report and Utilities	
REPORT.PIF	IBM Reporting Assistant	
RG.PIF	Initiator for Graph	
SAMNA.PIF	SAMNA WORD III	

Notes for the System Administrator

Table 2 Unsupported PIFs (cont.)

File Name	Product Name	To Run from EXE or COM, Rename To:
SC.PIF	SuperCalc	
SC3.PIF	SuperCalc	
SC3SIDE.PIF	Sideways PRG for SuperCalc 3	
SCOM.PIF	Hayes Smartcom	
SCOMII.PIF	Hayes Smartcom II	SCOM.PIF
SETUP.PIF	Windows Setup	
SIDEINS.PIF	Install program for Sideways	
SIDEWAYS.PIF	Sideways	
SIGN.PIF	Sign-On for Windows	
SK.PIF	Sidekick	
SL.PIF	Spotlight	
SLL.PIF	Spotlight	
SPELL.PIF	MS Spell	
SW123.PIF	Sideways for Lotus 1-2-3	
SWSETUP.PIF	Sideways Setup Program	
SYMPHACC.PIF	Lotus Symphony	ACCESS.PIF
SYMPHONY.PIF	Lotus Symphony	
TANK.PIF	ThinkTank	
TINSTALL.PIF	ThinkTank 2.0 Install Program	INSTALL.PIF
TK.PIF	TK!Solver	
TST286.PIF	286 Testing Program	
TURBO.PIF	Turbo Pascal	
TURBO 87.PIF	Turbo Pascal 8087	
TURBOBCD.PIF	Turbo Pascal BCD	
TUTOR.PIF	Lotus Tutorial	
VX.PIF	Volkswriter	
WIN.PIF	MS Windows	
WINSTALL.PIF	Wordstar 3.3 Install Program	INSTALL.PIF
WORD.PIF	MS Word	
WORDEGA.PIF	MS Word	WORD.PIF

Table 2 Unsupported PIFs (cont.)

File Name	Product Name	To Run from EXE or COM, Rename To:
WP.PIF	Multimate	
WRDPERF.PIF	Word Perfect	
WRITE.PIF	IBM Writing Assistant	
WS.PIF	WordStar	
WS2000.PIF	WordStar 2000	
XLISP.PIF	XLISP Interpreter	
XTALK.PIF	Crosstalk	
XTC.PIF	XTC Text Editor	
XYWRITE.PIF	XY Write	EDITOR.PIF
Z.PIF	Z Editor	

IBM Workstations

BASIC Compiler — An interaction exists between IBM PC-based systems that use DEPCA networking hardware and the Microsoft BASIC compiler (versions prior to 2.0). The early BASIC compilers assume that Interrupt Request (IRQ) levels 3 and 4 are for use with serial asynchronous devices only. BASIC masks IRQ3 and IRQ4 off before exiting.

If the system is configured with the DEPCA networking hardware at IRQ3 or IRQ4, BASIC turns off the network and drops all links.

To avoid this problem, configure the DEPCA at an IRQ other than 3 or 4, or upgrade to BASIC Version 2.0 or later.

Configuration Aide/Formatting Floppy Diskettes Using MS-Windows — The Format Data Disk command in the MS-DOS Executive Special menu requires that a bootable hard disk be present in order to format floppy diskettes.

If you do not have a bootable hard disk, use the FORMAT command with the /S parameter with the MS-DOS Executive File menu's Run option as follows:

```
FORMAT a: /s
```

When the "Cannot find FORMAT.PIF" message appears, select the "Ok" option.

Notes for the Programmer

VAX/VMS Server/VAXmate Server Differences

Opening Files in MS-DOS Compatibility Mode — The VAX/VMS server lets more than one user open a file for read access in MS-DOS Compatibility mode if the file has the read-only attribute. The VAXmate server lets one user open the file with read-write access and denies access to subsequent users.

Read-Only Subdirectories — The VAXmate server allows a subdirectory to be marked as read only, though it does not treat the subdirectory differently despite its new attribute. The VAX/VMS server returns an error to a request to mark a directory as read only. If a VMS process has marked the subdirectory as read only (by removing either the Write or Delete protection code), then that directory will no longer be writeable, unlike a directory marked similarly by the VAXmate server.

Ending a Session — The VAXmate server does not end a session between itself and a workstation when it receives an illegal SMB request from the workstation. Under most circumstances, however, the VAX/VMS server does.

VAXmate and VMS Servers

If you specify an invalid file id in the SMB functions "Write Spool File" or "Close Spool File," the SMB returns error class 1, code 6. This indicates a DOS error 6, which means "Invalid file handle." The IBM Personal Computer Network Program returns an error class 1, code 52 for "Write Spool File" and error class 2, code 52 for "Close Spool File," in the case of a bad file id.

MS-Windows

IN 10H — INT 10H, function 13H, subfunctions 0-3 are not supported in the Old Applications driver. Control returns to the application with registers unchanged.

MS-NET

RECEIVE ANY Command Issued Through INT 2AH — If the buffer used for the RECEIVE ANY command is not as large as the buffer used for the SEND command, some data will be lost.

COM2:

Effect of Serial Port Option Configured as COM2: — Any serial port option that appears to be an 8250 or equivalent UART configured as COM2: is interpreted as "DEC modem option present." Ignore this false indication.

Notes for the Standalone System User

If you have purchased VAXmate software for standalone use, you should read the supplied documentation in the following sequence:

1. These release notes. Disregard all release notes entitled VAX/VMS Server, VAXmate Server, and MS-NET/DECnet.
2. *VAXmate System Handbook*. This manual guides you through installing your VAXmate system and then directs you to the *VAXmate Expansion Box Installation Guide and Owner's Manual*.
3. *VAXmate Expansion Box Installation Guide and Owner's Manual*. This manual provides instructions for installing the expansion box, formatting the hard disk, and installing the standalone software kit.
4. *VAXmate System Handbook*. Once installation of all hardware and software is complete, you should return to this manual to learn how to use MS-Windows and get acquainted with the on-line User Information System. Disregard network information presented in the Information System.
5. *The VAXmate User's Guide*. This manual provides complete reference information for the software components of the full VAXmate product. The standalone user needs only a subset of this manual, namely: MS-Windows, terminal emulators, desktop applications, Paint, and MS-DOS. Disregard all references to using networks and server capabilities.

Printer Installation

After you have installed the printer according to the printer hardware installation instructions, you must configure MS-Windows to recognize the

Notes for the Standalone System User

printer attached to your system. Use the Control Panel as described in Chapter 8 of the *VAXmate User's Guide*. When using those instructions, note the following differences for a standalone system:

1. Use drive C instead of drive H when using the Add New Printer command from the Installation menu.
2. Upon completing the instructions for adding a printer from the Installation menu, do the following:
 - a. Select Printer from the Setup menu. Select the printer on LPT1:. Select Ok.
 - b. Select Printer from the Setup menu. Select the printer on LPT1: as the default printer. Select Ok.
 - c. Select Ok for Output mode.
3. Close the Control Panel.

Release Note

MS-DOS

SELECT — SELECT assumes that the international support files are in the root directory. On the MS-DOS distribution diskette, they are in the \COUNTRY subdirectory. This is only a problem for the standalone MS-DOS user. To solve this problem, do either of the following:

- Copy the required support files from the \COUNTRY subdirectory to the root directory and then run SELECT.
- Insert the following line in the AUTOEXEC.BAT file after the line that sets the path:

```
APPEND \COUNTRY
```