Overview of VMS Documentation

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This manual contains a brief introduction to the VMS documentation set and includes a short summary of each component of the VMS Version 5.5 documentation set.

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Contents

1	Overview	1
2	Which Set Is Right for You?	2
2.1	Base Documentation Set	2
2.2	Extended Documentation Set	3
3	How the Information Is Organized	3
3.1	Organization by Topic	3
3.2	Organization by Type of Information	4
4	Descriptions of the Components of VMS Documentation	6
4.1	Base Documentation Set	8
4.1.1	*VMS User's Manual*	8
4.1.2	*VMS System Manager's Manual*	9
4.1.3	*Building Dependable Systems: The VMS Approach*	9
4.1.4	*VMS License Management Utility Manual*	10
4.2	Extended Documentation Set	10
4.2.1	General User Subkit	10
4.2.2	System Management Subkit	12
4.2.3	Programming Subkit	15
4.2.4	Obsolete Features Kit	18
4.3	Release Notes Kit	18
4.4	VMS DECwindows User Kit	19
4.5	VMS Upgrade and Installation Documentation	20
4.6	VMS Optional Documentation	20
4.6.1	System Integrated Products	20
4.6.2	VMSINSTAL	21
4.6.3	TECO	21
4.6.4	VMS DECwindows Programming Kit	21
4.6.5	CDA Kit	23
4.7	Online Help	24
5	Online Documentation	24
6	Printable Documentation	24
7	New Manuals	25
8	Ordering Information	25
8.1	How to Order Documentation	26
8.2	Ordering Complete Sets, Kits, Subkits, and Volumes	26
8.3	Ordering Individual Manuals	29
8.4	Order Numbers for Upgrade and Installation Supplements	34
8.5	Order Numbers for Optional Manuals	35
8.6	Order Numbers for the Online Documentation (OLD) Library Compact Disk	37

Figures

1	Organization of the First Volume of a Subkit	4
2	Organization of Information Within Volumes	6
3	Overview of Components of VMS Documentation	7

Tables

1	Available Forms of VMS Version 5.5 Documentation	1
2	Order Numbers for Complete Sets, Kits, Subkits, and Volumes	26
3	Order Numbers for Manuals in the Base Documentation Set, DECwindows User Kit, Release Notes Kit, and Obsolete Features Kit	29
4	Order Numbers for Manuals in the General User Subkit	30
5	Order Numbers for Manuals in the System Management Subkit	31
6	Order Numbers for Manuals in the Programming Subkit	32
7	Order Numbers for Upgrade and Installation Supplements	34
8	Order Numbers for Optional Manuals	35
9	Order Numbers for Manuals in the VMS DECwindows Programming Kit	35
10	Order Numbers for Manuals in the CDA Kit	36
11	Order Numbers for Manuals in the CDA Kit Used With DECwindows Motif Version 1.0	36
12	Order Numbers for the Online Documentation (OLD) Library Compact Disk	37

1 Overview

More people than ever before are using computers to get their work done. A wide range of professionals, not just programmers and computer engineers, now use the VMS operating system. Many users, formerly restricted to large batch and timesharing systems, now have entire systems in their offices. The evolution of workstation technology has also diversified the role of system manager. Today, many workstation and local area VAXcluster users manage their own systems and no longer require the expertise of a centralized system manager. However, all users still require accurate, readily accessible information.

As a result of these trends, Digital is making information more easily accessible to you by offering VMS Version 5.5 documentation in a variety of formats: printed books (hardcopy), online viewable books, and printable files. Online books are available on the Online Documentation (OLD) Library compact disk and can be viewed using the VMS DECwindows Bookreader. (Refer to Section 5 for more information.) Table 1 summarizes the availability of VMS documentation:

Table 1 Available Forms of VMS Version 5.5 Documentation

Printed Books	Online Books	Printable Files
All VMS books[1]	All VMS books[2]	*Using VMS Backup*

[1]With the exception of *Using VMS Backup*

[2]With the exception of the *VMS Master Index*

Additionally, we have organized VMS documentation to offer you a choice of the following two sets of hardcopy documentation: (Each book in both sets is separately orderable.)

- Base Documentation Set—A desktop set for users of small standalone systems, local area VAXclusters, and large VAX systems. The Base Documentation Set gives concise and easy-to-find information on how to perform day-to-day tasks. It also introduces basic system management concepts and provides an overview of the tasks associated with managing a small standalone system, and explains the VMS approach to building dependable computing systems.
- Extended Documentation Set—A full documentation set for users who need more detail on any VMS component to perform daily tasks. The Extended Documentation Set also meets the needs of system managers (for both low-end local area VAXclusters and large VAX systems) and of system and application programmers.

This manual helps you decide which documentation set is best for you. It compares the Base Documentation Set and the Extended Documentation Set and explains how we have organized the information in each. It describes the components of the VMS documentation set (including the Release Notes Kit and optional documentation), provides ordering information, and lists order numbers for all components.

2 Which Set Is Right for You?

The Base Documentation Set is a condensed version of the Extended Documentation Set. The Base Documentation Set highlights information on the activities that you are most likely to perform as a user or a system manager of a small standalone system. It does not contain any programming information. The Extended Documentation Set provides detailed information about using the VMS operating system on any size system. Note that you can order the Extended Documentation Set with or without the Base Documentation Set.

2.1 Base Documentation Set

The Base Documentation Set contains condensed information about basic VMS concepts and commonly performed tasks. We have carefully chosen the topics and the amount of detail in the Base Documentation Set to make the information accessible. Everyone who uses the VMS operating system to perform day-to-day tasks such as creating and editing files, sending mail, and writing and using command procedures can benefit from reading the Base Documentation Set.

For example, if you need to learn how to perform a basic operation such as copying a file or sending a mail message, the *VMS User's Manual* in the Base Documentation Set provides enough information to get you started quickly. In addition, the *VMS User's Manual* also contains a reference section that provides brief explanations of all the commands in the DIGITAL Command Language (DCL).

When you order the Base Documentation Set, you automatically receive the VMS DECwindows User Kit (see Section 4.4). If your system is running DECwindows, the DECwindows User Kit provides all the information you need to work with files and run applications.

If you manage a small standalone system, the *VMS System Manager's Manual* can provide all the information you need to manage your system. This manual gives you task-oriented information on topics such as starting up the system and installing software. In addition, the *VMS System Manager's Manual* contains an introduction to local area VAXclusters and presents reference information on the utilities you can use to perform system management tasks on your small system.

Users who depend on their VMS systems to conduct essential business functions will value *Building Dependable Systems: The VMS Approach*, a handbook that describes the basic principles of dependable computing. This handbook provides practical techniques for utilizing the dependability features of VAX systems, along with those of the VMS operating system and layered software products, to form a dependable computing system.

Some topics either do not appear in the Base Documentation Set or are explained in greater detail in the Extended Documentation Set. For example, programming utilities and routines must be documented in such great detail that a condensed version of information would be of no use to programmers. This information is found only in the Extended Documentation Set.

2.2 Extended Documentation Set

The Extended Documentation Set provides detailed information about topics of interest to users, system managers, and programmers using the VMS operating system. The Extended Documentation Set provides extensive explanatory information on all major VMS resources, complete reference information on system routines and utilities, detailed examples, master indexes, a glossary, and descriptions of system messages and recovery procedures.

For example, a system manager responsible for setting up and maintaining a midrange or high-end system or a complex VAXcluster or DECnet–VAX network should use the Extended Documentation Set for information on customizing large systems, ensuring system security, running symmetric multiprocessing (SMP) systems, and maintaining performance. In addition, the Extended Documentation Set gives system managers detailed procedures for setting up, configuring, and maintaining VAXcluster configurations.

The information programmers need about program development, programming utilities, system and utility routines, and system services can be found in the Extended Documentation Set. The set also contains information about the VMS file system, I/O, VAX MACRO, and device support.

3 How the Information Is Organized

To help you find information, the Base and Extended Documentation Sets are organized in two ways: by topic and by type of information.

3.1 Organization by Topic

Organization by topic allows you to identify which manuals in a document set can help you perform the task at hand. For example, if you are using the Base Documentation Set to set up your workstation, you can identify the *VMS System Manager's Manual* as the manual you need to help you set up that workstation.

The Extended Documentation Set is organized into three subkits that cover broad topics, as follows:

- General User Subkit—Provides extensive background information about the VMS operating system and specific information about how to use tools of interest to all system users.
- System Management Subkit—Includes task and reference information for system managers of low-end local area VAXclusters and large VAX systems.
- Programming Subkit—Contains information about the programming resources of the VMS operating system.

Within each subkit, the individual manuals that cover specific aspects of the topic are further organized into volumes. A volume may contain one or more manuals and can extend across more than one binder. For example, in the System Management Subkit, all the manuals describing aspects of setting up a system make up the Setup volume, which uses two binders.

If you are a system manager of a large VAX system and do not do programming, you only need the System Management and General User Subkits. Those subkits give you the information you need to set up and maintain your large system. If you are a general user who does not manage a system but who wants more detailed information about using the VMS operating system to perform daily tasks, you can refer to the General User Subkit.

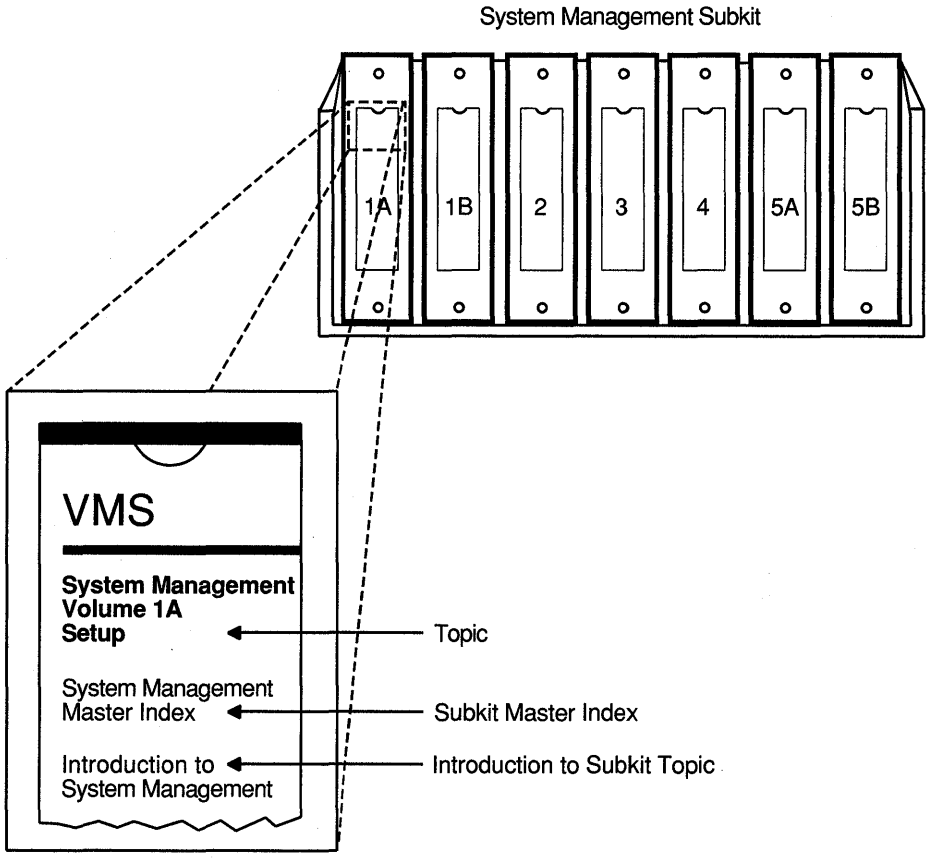
3.2 Organization by Type of Information

Sometimes you need to look up a specific piece of information and other times you need to read a complete discussion of a topic. Because of these different needs, we have also organized information in the Base and Extended Documentation Sets by the type of information, in addition to topic. Throughout the documentation, introductory and conceptual information appears first, task-oriented information and examples second, followed by reference information.

For example, in the Base Documentation Set, the *VMS User's Manual* is divided into two parts. The first part consists of chapters that provide conceptual and task-oriented material; the second part is a reference section in which relevant commands are listed alphabetically.

The Extended Documentation Set follows a similar organization; however, because of its size, information might be separated into different manuals. For example, the first volume of each subkit contains a manual that presents introductory material about the subject of the subkit. In addition, the first volume of a subkit also contains a master index for that subkit. Figure 1 shows the first volume of the System Management Subkit to illustrate this organization.

Figure 1 Organization of the First Volume of a Subkit



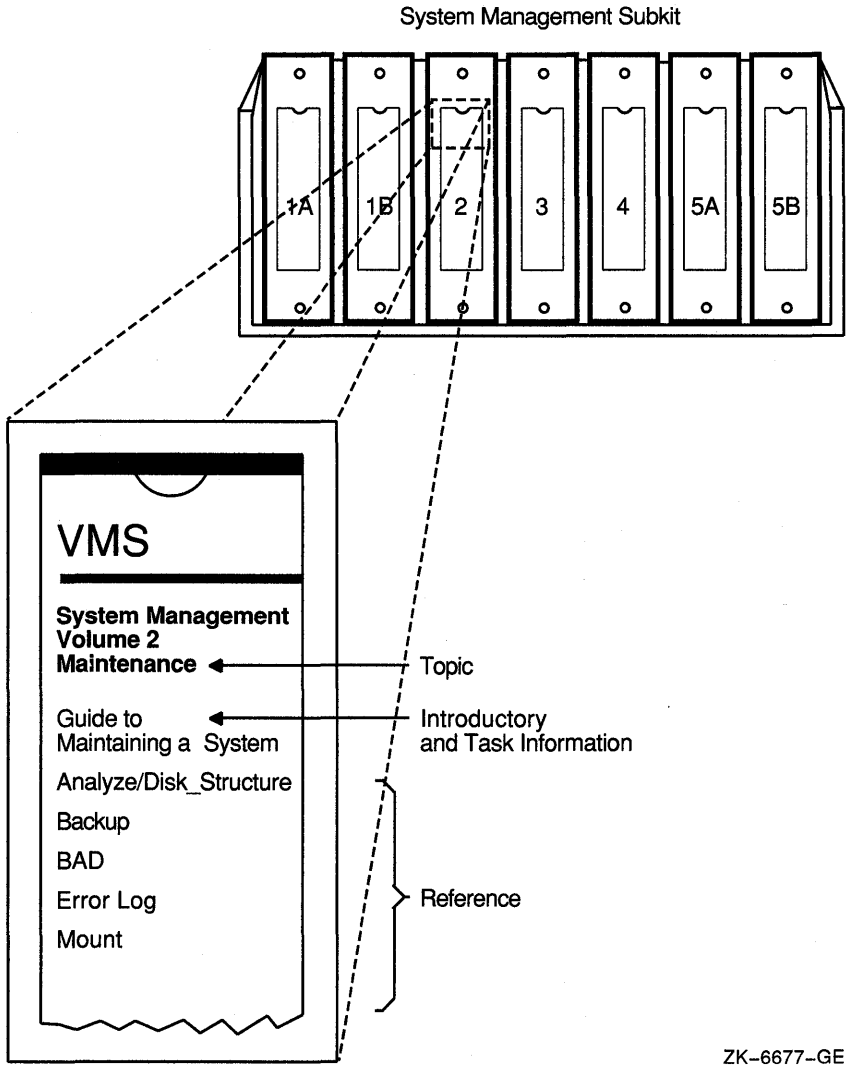
The subsequent volumes in a subkit usually contain a manual, called a guide, that presents introductory information about the topic of the volume. Following the guide, the remainder of the volume consists of manuals that present reference information about specific aspects of the volume topic.

The guides describe concepts and tasks related to the topic of the volume. They are written in more general terms than the related parts of the reference manuals and include extensive examples. Guides typically cover only those features of system components that are useful in the solution of particular problems, and often refer readers to reference manuals for more details.

The reference manuals provide detailed information about each utility, command, and routine. Each reference manual covers a specific aspect of the topic of the volume. Reference manuals are themselves organized by type of information. The manuals begin with a section called Description that presents conceptual material, continue with a Usage Summary section that describes how to invoke the command or utility, and then present reference information about specific aspects of the topic, such as command qualifiers.

Figure 2 illustrates the organization of a volume in a subkit, using Volume 2 of the System Management Subkit. The topic of Volume 2 is System Maintenance. This volume contains a guide to system management and four other manuals that describe system maintenance utilities in detail.

Figure 2 Organization of Information Within Volumes



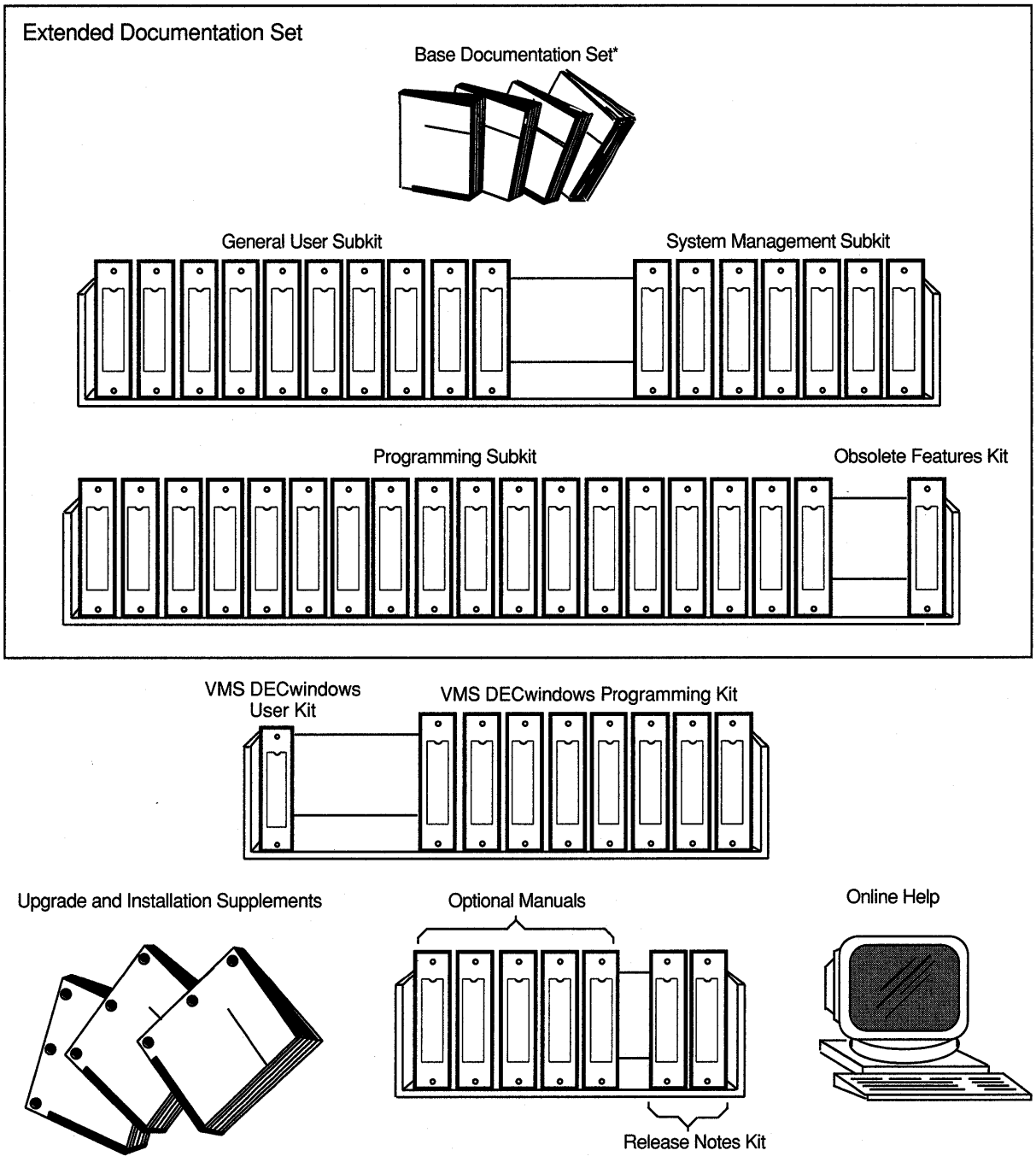
4 Descriptions of the Components of VMS Documentation

VMS documentation consists of the following:

- Base Documentation Set (which includes the VMS DECwindows User Kit)
- Extended Documentation Set (which includes the Obsolete Features Kit and can include the Base Documentation Set)
- Obsolete Features Kit
- Release Notes Kit
- VMS DECwindows User Kit
- Upgrade and installation supplements
- Optional documentation
- Online help

Figure 3 gives an overview of the components of VMS documentation.

Figure 3 Overview of Components of VMS Documentation



*You automatically receive the VMS DECwindows User Kit when you order the Base Documentation Set.

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The sections that follow describe each component of VMS documentation.

4.1 Base Documentation Set

The Base Documentation Set consists of four, 7-by-9-inch, desktop manuals. This set addresses the needs of general users and system managers of small standalone systems, local area VAXclusters, and large VAX systems. The volumes give concise and easy-to-find information about performing day-to-day tasks. In addition to showing you how to create and edit files, the Base Documentation Set provides quick reference information about DCL commands and utilities.

It also provides task-oriented system management information about topics such as starting up the system and installing software, reference information about the utilities you use to complete those tasks, as well as practical information about using VMS and related products to build dependable computing systems.

Note

The Base Documentation Set contains no programming information.

The Base Documentation Set consists of the following manuals:

- *VMS User's Manual*
- *VMS System Manager's Manual*
- *Building Dependable Systems: The VMS Approach*
- *VMS License Management Utility Manual*

In addition, when you order the Base Documentation Set, you automatically receive the VMS DECwindows User Kit (see Section 4.4).

The following sections describe the manuals in the Base Documentation Set.

4.1.1 *VMS User's Manual*

The *VMS User's Manual* provides an overview of the VMS operating system and presents basic concepts, task information, and reference information that enable you to perform daily computing tasks. Where appropriate, the reference material supports topics discussed in the concepts section. For example, the concepts section includes an extensive discussion of the DIGITAL Command Language (DCL), which enables users to communicate with VMS. The reference section contains a description of each DCL command.

The *VMS User's Manual* describes the VMS directory structure and how to work with files and directories. It also includes these additional topics:

- Sending messages with the Mail Utility (MAIL)
- Using logical names and symbols
- Writing command procedures
- Editing files with the EVE and EDT text editors
- Processing files with DIGITAL Standard Runoff (DSR)

4.1.2 *VMS System Manager's Manual*

The *VMS System Manager's Manual* provides system managers of small standalone systems with descriptions of the procedures they need to manage daily operations on a VMS system. As with the *VMS User's Manual*, the manual presents task-oriented material first. These chapters provide instructions for setting up and maintaining routine operations, such as starting up the system, installing software, and setting up print and batch queues. In addition, the manual contains chapters on configuring and controlling the network and security issues. The reference section provides detailed information about the utilities that system managers use to complete the tasks described in the first part of the manual.

4.1.3 *Building Dependable Systems: The VMS Approach*

Building Dependable Systems: The VMS Approach offers practical information about analyzing the dependability requirements of your business applications, and deciding how your computing systems can be used to support your dependability goals. This information is complemented by technical summaries of the dependability features found in VMS and related hardware and layered software products. The information is presented within the context of six key areas of an enterprise:

- Environment
- Hardware
- Communications
- Software
- Operational procedures
- Personnel

The topics discussed include fault prevention strategies, error correction strategies, failure recovery strategies, maintaining a dependable environment, disaster contingency planning, dependable system configurations, dependability characteristics of networks, building dependable applications, dependable data center techniques for VMS system managers, a "Lights Out Data Center" case study, a data center self-evaluation checklist, plus a brief description of relevant support services from Digital. Throughout the handbook, you are directed to the primary source of documentation for details about product-specific commands and utilities.

Note

Building Dependable Systems: The VMS Approach appears in the Base Documentation Set only. This handbook is for professionals who use VMS, its layered software products, and related hardware components in data centers that are required to meet business demands for minimal (or no) disruptions in service. Other Digital products' documentation, including other manuals in the VMS Extended Documentation Set, discuss individual features that support dependability goals. However, *Building Dependable Systems: The VMS Approach* presents an overview of dependability features and provides pointers to specific Digital manuals where details about each product's commands and utilities can be found.

4.1.4 *VMS License Management Utility Manual*

The *VMS License Management Utility Manual* describes the VMS License Management Facility (LMF), the software license management tool on the VMS operating system. LMF includes the License Management Utility (LICENSE) and the command procedure VMSLICENSE.COM, which is used to register, manage, and track software licenses on line.

Note

The *VMS License Management Utility Manual* appears in the Base Documentation Set only. Information about LMF is not included in the System Management Subkit of the Extended Documentation Set.

4.2 Extended Documentation Set

The Extended Documentation Set contains unabridged information about using the VMS operating system. The Extended Documentation Set is intended for software developers, system analysts, system managers, and other users of midrange and larger systems (including VAXclusters) who need detailed technical information.

The Extended Documentation Set includes the Obsolete Features Kit and a Base Set (optional), as well as the following subkits:

- General User Subkit
- System Management Subkit
- Programming Subkit

Each subkit consists of volumes, which may contain one or more manuals. Each subkit also has its own master index. The sections that follow describe the components of each subkit.

4.2.1 General User Subkit

The General User Subkit spans six volumes. It contains a master index for the Extended Documentation Set as well as a master index for the General User Subkit itself. This subkit provides general information about the operating system, including an introduction to using VMS and a guide to using files and devices. It also provides information about using DCL commands and DCL command procedures, text editing tools, and information about system messages.

The General User Subkit consists of the following volumes:

- Volume 1: General Information
- Volume 2: Using VMS
- Volume 3: Using DCL
- Volume 4: DCL Dictionary
- Volume 5: Processing Text
- Volume 6: System Messages

The following sections describe the information contained in each volume of the General User Subkit.

Volume 1: General Information

The General Information volume consists of the following manuals:

- *VMS Master Index*
- *VMS General User Master Index*
- *VMS Glossary*

The *VMS Master Index* is an edited compilation of individual indexes from all the books in the VMS Version 5.5 General User, System Management, and Programming documentation subkits plus the indexes from the *VMS Version 5.5 Release Notes* and the *VMS Version 5.5 New Features Manual* (located in the Release Notes Kit), the *VMS Obsolete Features Manual* (located in the Obsolete Features Kit), and *Building Dependable Systems: The VMS Approach* and the *VMS License Management Utility Manual* (both located in the VMS Base Set).

The *VMS General User Master Index* is the master index for the General User Subkit.

The *VMS Glossary* defines terms that are used throughout the documentation.

Volume 2: Using VMS

The Using VMS volume is divided into two parts: Volume 2A and Volume 2B. Volume 2A consists of the following manuals:

- *Introduction to VMS*
- *Guide to Using VMS*
- *Guide to VMS Files and Devices*

The *Introduction to VMS* is a tutorial that introduces major VMS concepts and commands and is especially helpful for novice users of the VMS operating system. The *Guide to Using VMS* provides conceptual and task-oriented information that supports users in their daily computing tasks. Topics discussed include: working with files and directories, using logical names and symbols, writing command procedures, and editing files with the text editors EVE and EDT. The *Guide to VMS Files and Devices* describes the routine tasks that general users perform on files and devices, and it documents most of the disk and magnetic tape operations routinely performed by users of the VMS operating system.

Volume 2B consists of the following manuals:

- *VMS Mail Utility Manual*
- *VMS Phone Utility Manual*
- *VMS Sort/Merge Utility Manual*

These manuals describe some commonly used VMS utilities.

Volume 3: Using DCL

The Using DCL volume consists of the following manuals:

- *VMS DCL Concepts Manual*
- *Guide to Using VMS Command Procedures*

The *VMS DCL Concepts Manual* is an overview of the DIGITAL Command Language (DCL). The *Guide to Using VMS Command Procedures* presents key concepts and techniques for developing command procedures using DCL.

Volume 4: DCL Dictionary

The DCL Dictionary volume is divided into two parts: Volume 4A and Volume 4B. These two volumes make up a dictionary that describes the DIGITAL Command Language (DCL). The *VMS DCL Dictionary* provides an alphabetical listing of detailed reference information and examples for all DCL commands and lexical functions. Volume 4A includes terms from A to M; Volume 4B includes terms from N to Z.

Volume 5: Processing Text

The Processing Text volume is divided into two parts: Volume 5A and Volume 5B. Volume 5A consists of the following manuals:

- *Guide to VMS Text Processing*
- *VAX EDT Reference Manual*

The *Guide to VMS Text Processing* introduces novice users to the text editors EVE and EDT, and DIGITAL Standard Runoff (DSR). This manual also describes how to write start-up files for EVE. The *VAX EDT Reference Manual* fully describes and gives reference information for the VAX EDT interactive text editor.

Volume 5B contains the following manuals:

- *VAX DIGITAL Standard Runoff Reference Manual*
- *VMS EVE Reference Manual*

The *VAX DIGITAL Standard Runoff Reference Manual* describes the DSR text formatting utility. The *VMS EVE Reference Manual* contains command-by-command reference information about the EVE text editor. It also provides a cross-reference between EDT commands and EVE commands.

Volume 6: System Messages

The System Messages volume contains the *VMS System Messages and Recovery Procedures Reference Manual*. This volume is divided into two parts: Part I is Volume 6A and Part II is Volume 6B. The *VMS System Messages and Recovery Procedures Reference Manual* contains an alphabetical listing of the errors, warnings, and informational messages issued by the VMS operating system. This manual also provides the meaning of each message and a statement of the action to be taken in response to each message.

4.2.2 System Management Subkit

The System Management Subkit is a reference source for system managers of midrange and large VMS systems (including VAXclusters). Its five volumes introduce system management and describe how to set up and maintain a VMS system. This subkit contains detailed information about VAXclusters, networking, and performance and security management. These volumes also describe and contain reference information about utilities of particular interest to system managers.

The System Management Subkit consists of the following volumes:

- Volume 1: Setup
- Volume 2: Maintenance
- Volume 3: Security
- Volume 4: Performance
- Volume 5: Networking

The sections that follow describe the volumes in the System Management Subkit.

Volume 1: Setup

The Setup volume is divided into two parts: Volume 1A and Volume 1B. Volume 1A consists of the following manuals:

- *VMS System Management Master Index*
- *Introduction to VMS System Management*
- *Guide to Setting Up a VMS System*
- *VMS SYSMAN Utility Manual*

The *VMS System Management Master Index* is the master index for the System Management Subkit.

The *Introduction to VMS System Management* describes the purpose and function of system management on a VMS operating system. It also provides introductory information about setting up a system (startup procedures and user accounts) and maintaining a system (maintaining files and volumes, backups, managing disk space, and so on). In addition, it also discusses concepts of performance management, clusters, and networking.

The *Guide to Setting Up a VMS System* describes the concepts and procedures you need to be familiar with to set up a VMS system for daily operation. It tells you how to customize the system for the needs of a particular site, how to start up and shut down the system, and how to set up and manage user accounts. The *Guide to Setting Up a VMS System* also describes how to use AUTOGEN and the System Generation Utility (SYSGEN) to tune the system and manage system resources.

The *VMS SYSMAN Utility Manual* describes a tool that centralizes the management of VAXclusters.

Volume 1B consists of the following manuals:

- *VMS VAXcluster Manual*
- *VMS Exchange Utility Manual*
- *VMS Install Utility Manual*
- *VMS LAT Control Program (LATCP) Manual*
- *VMS LAD Control Program (LADCP) Manual*
- *VMS System Generation Utility Manual*
- *VMS Terminal Fallback Utility Manual*

The *VMS VAXcluster Manual* provides an overview of VAXclusters, describes the VAXcluster environment, and explains procedures for setting up and managing VAXcluster configurations.

The other manuals in Volume 1B provide descriptions and reference information about other VMS utilities used to set up a system.

The *VMS LAD Control Program (LADCP) Manual* has been revised and is now part of the VMS documentation set.

Volume 2: Maintenance

The Maintenance volume consists of the following manuals:

- *Guide to Maintaining a VMS System*
- *VMS Analyze/Disk_Structure Utility Manual*
- *VMS Backup Utility Manual*
- *VMS Bad Block Locator Utility Manual*
- *VMS Error Log Utility Manual*
- *VMS Mount Utility Manual*

The *Guide to Maintaining a VMS System* presents the concepts and procedures that are required to maintain daily operations on a VMS operating system. It describes how to set up and maintain public volumes (including mount operations) and techniques for managing disk space and batch and print operations, and it provides information for maintaining the log files on a system. Volume 2 also contains manuals that describe and give reference information about the other VMS utilities used to perform system maintenance.

Volume 3: Security

The Security volume consists of the following manuals:

- *Guide to VMS System Security*
- *VMS Access Control List Editor Manual*
- *VMS Authorize Utility Manual*
- *VMS Audit Analysis Utility Manual*

The *Guide to VMS System Security* describes the security features available in the VMS operating system. It explains the purpose and proper application of each feature in the context of specific security needs. The other manuals in this volume contain reference information about tools used to control and monitor access to the system and its resources.

Volume 4: Performance

The Performance volume consists of the following manuals:

- *Guide to VMS Performance Management*
- *VMS Accounting Utility Manual*
- *VMS Monitor Utility Manual*
- *VMS Show Cluster Utility Manual*

The *Guide to VMS Performance Management* is a conceptual and tutorial manual for experienced users who are responsible for optimizing the performance of VMS systems. The other manuals in this volume describe and contain reference information about VMS utilities used to monitor system performance.

Volume 5: Networking

The Networking volume is divided into two parts: Volume 5A and Volume 5B. Volume 5A consists of the following manuals:

- *Guide to DECnet–VAX Networking*
- *VMS Networking Manual*

The *Guide to DECnet–VAX Networking* is an introduction to networking on a VMS system. This guide presents a basic overview of DECnet–VAX networking, summarizes user and manager network operations, and describes the procedures for bringing up the network and keeping it running. The *VMS Networking Manual* covers network management concepts, tasks and procedures, and programming operations.

Volume 5B consists of the following manuals:

- *VMS Network Control Program Manual*
- *VMS DECnet Test Sender/DECnet Test Receiver Utility Manual*

These manuals describe and give reference information about networking-related VMS utilities.

4.2.3 Programming Subkit

The Programming Subkit contains information for a programmer developing software on the VMS operating system. The manuals in the Programming Subkit present introductory information and reference material about VMS programming tools, utilities, routines, and system services. They also contain information about the VMS file system, system programming, device support, and VAX MACRO.

The Programming Subkit consists of one 5-by-7-inch perfect-bound book and 10 volumes as follows:

- *Guide to DECthreads*
- Volume 1: Introduction
- Volume 2: Utilities
- Volume 3: System Routines
- Volume 4: System Services
- Volume 5: Run-Time Library
- Volume 6: File System
- Volume 7: System Programming
- Volume 8: Device Support
- Volume 9: VAX MACRO
- Volume 10: VAXTPU

The sections that follow describe the Programming Subkit.

Guide to DECthreads

The *Guide to DECthreads* describes DECthreads, which is Digital's multithreading run-time library. DECthreads contains portable routines used for creating and controlling multiple threads of execution within the address space provided by a single process. This manual documents two interfaces to DECthreads: a stable, upwardly compatible interface called **cma**, and an interface that adheres to the evolving POSIX standard 1003.4a called **pthread**.

Volume 1: Introduction

The Introduction volume consists of the following manuals:

- *VMS Programming Master Index*
- *Guide to VMS Programming Resources*
- *Guide to Creating VMS Modular Procedures*

The *VMS Programming Master Index* is the master index for the subkit. The *Guide to VMS Programming Resources* provides practical guidelines for using VMS program development tools. The guidelines generally apply to programming in any supported VAX programming language, although the examples pertain specifically to programming in the VAX FORTRAN language. The *Guide to Creating VMS Modular Procedures* describes how to design and code procedures that conform to the VMS Modular Programming Standard.

Volume 2: Utilities

The Utilities volume is divided into two parts: Volume 2A and Volume 2B. Volume 2A contains the *VMS Debugger Manual*, which describes the debugger.

Volume 2B consists of the following manuals:

- *VMS Command Definition Utility Manual*
- *VMS Librarian Utility Manual*
- *VMS Linker Utility Manual*
- *VMS Message Utility Manual*
- *VMS Patch Utility Manual*
- *VMS SUMSLP Utility Manual*

These manuals describe VMS programming utilities.

Volume 3: System Routines

The System Routines volume consists of the following manuals:

- *Introduction to VMS System Routines*
- *VMS Utility Routines Manual*

The *Introduction to VMS System Routines* describes the standard format used to document system routines, including information about syntax, argument types, and error codes. The *VMS Utility Routines Manual* describes the system routines that provide a programming interface to various VMS utilities.

Volume 4: System Services

The System Services volume is divided into two parts: Volume 4A and Volume 4B. Volume 4A contains the *Introduction to VMS System Services*, which introduces the system services and tells new users how to use them.
Volume 4B contains the *VMS System Services Reference Manual*, which describes the set of routines that the VMS operating system uses to control resources, allow process communication, control I/O, and perform other such operating system functions.

Volume 5: Run-Time Library

The Run-Time Library (RTL) volume is divided into three parts: Volume 5A, Volume 5B, and Volume 5C. Volume 5A consists of the following manuals:

- *Introduction to the VMS Run-Time Library*
- *VMS RTL DECtalk (DTK$) Manual*
- *VMS RTL Mathematics (MTH$) Manual*
- *VMS RTL General Purpose (OTS$) Manual*
- *VMS RTL Parallel Processing (PPL$) Manual*

The *Introduction to the VMS Run-Time Library* introduces the Run-Time Library and describes how to call RTL routines. This manual also presents overviews of the categories of RTL routines and explains the documentation format of the routine descriptions. In addition to this introductory manual, Volume 5A also contains reference manuals for four of the run-time libraries.

Volume 5B contains the *VMS RTL Library (LIB$) Manual.*

Volume 5C contains the following manuals:

- *VMS RTL Screen Management (SMG$) Manual*
- *VMS RTL String Manipulation (STR$) Manual*

These manuals describe additional run-time libraries.

Volume 6: File System

The File System volume is divided into two parts: Volume 6A and Volume 6B. Volume 6A consists of the following manuals:

- *Guide to VMS File Applications*
- *VMS Analyze/RMS_File Utility Manual*
- *VMS Convert and Convert/Reclaim Utility Manual*
- *VMS File Definition Language Facility Manual*
- *VMS National Character Set Utility Manual*

The *Guide to VMS File Applications* contains guidelines for designing, creating, and maintaining efficient data files by using VMS Record Management Services (RMS). This manual is intended for application programmers and designers responsible for programs that use VMS RMS files, especially if performance is an important consideration. Volume 6A also contains manuals that contain descriptive and reference information about several VMS utilities.

Volume 6B contains the *VMS Record Management Services Manual*, which provides reference and usage information for all programmers who use VMS RMS data files.

Volume 7: System Programming

The System Programming volume is divided into two parts: Volume 7A and Volume 7B. Volume 7A contains Parts I and II of the *VMS I/O User's Reference Volume*. Volume 7B consists of the following manuals:

- *VMS Delta/XDelta Utility Manual*
- *VMS System Dump Analyzer Utility Manual*

These manuals describe two VMS programming utilities.

Volume 8: Device Support

The Device Support volume is divided into two parts: Volume 8A and Volume 8B. Volume 8A contains the *VMS Device Support Manual*, which describes how to write a driver for a device not supplied by Digital.

Volume 8B contains the *VMS Device Support Reference Manual*, which provides the reference material to the *VMS Device Support Manual*. The *VMS Device Support Reference Manual* describes the data structure, macros, and routines used in device driver programming.

Volume 9: VAX MACRO

Volume 9 contains the *VAX MACRO and Instruction Set Reference Manual*, which documents both the assembler directives of VAX MACRO and the VAX instruction set.

Volume 10: VAXTPU

The VAXTPU volume is divided into two parts: Volume 10A and Volume 10B. These two volumes contain the *VAX Text Processing Utility Manual*, which describes the VAX Text Processing Utility (VAXTPU) and provides reference information about the EDT Keypad Emulator interfaces to VAXTPU.

4.2.4 Obsolete Features Kit

The Obsolete Features Kit, which is part of the Extended Documentation Set, contains the *VMS Obsolete Features Manual*. This manual presents the DCL commands, system services, RTL routines, and utilities made obsolete by VMS Version 4.0 through Version 5.0. The manual also has an appendix of DCL commands, RTL routines, and utilities eliminated from VMS Version 4.0.

4.3 Release Notes Kit

The Release Notes Kit consists of two volumes.

Volume 1 contains the following documentation:

- *VMS Software Product Description*
- *DECnet–VAX Software Product Description*
- *VAXcluster Software Product Description*
- *Overview of VMS Documentation*
- *VMS Version 5.5 New Features Manual*

The *VMS Software Product Description* gives a general description of the components of the VMS operating system. It also lists facilities included in the operating system, system requirements, growth considerations, and licensing information.

The *DECnet–VAX Software Product Description* gives a general description of the components of the DECnet–VAX networking software. It also lists the basic capabilities of the networking software, system requirements, CPU/device load unit table, device support description, and licensing information.

The *VAXcluster Software Product Description* provides a general description of VAXcluster capabilities and guidelines for configuring VAXcluster system members.

Although the software product descriptions for DECnet–VAX and VAXcluster software are provided with this documentation kit, the DECnet–VAX and VAXcluster functions are enabled through the use of licenses that you must order separately.

The *Overview of VMS Documentation*, which you are now reading, is a general introduction to the VMS documentation set. This manual explains how the set is organized and describes all its components. It also lists order numbers and provides ordering information.

The *VMS Version 5.5 New Features Manual* summarizes the new features of the VMS Version 5.5 operating system. It contains appendixes that describe VMS new features introduced in VMS Versions 5.1 through 5.4 that are not described elsewhere in the VMS documentation set.

Volume 2 contains the *VMS Version 5.5 Release Notes* manual, which has information about problems corrected in the VMS Version 5.5 operating system, restrictions to the operating system, and notes to the published documentation.

Note

The Release Notes Kit is not a part of the Extended Documentation Set or the Base Documentation Set. You must order the Release Notes Kit separately.

4.4 VMS DECwindows User Kit

The VMS DECwindows User Kit, which is automatically included when you order the Base Documentation Set, consists of the following manuals:

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

Note that you can also order the VMS DECwindows User Kit separately.

If you use VMS DECwindows, the *VMS DECwindows User's Guide* and the *VMS DECwindows Desktop Applications Guide* provide descriptions of basic techniques for working with files and running applications.

The *VMS DECwindows User's Guide* describes the DECwindows user environment. The guide begins with an overview of DECwindows and then provides hands-on experience by taking users through a sample session. Subsequent chapters explain how to use FileView, manage files, and customize the DECwindows environment. The guide also provides a quick reference that explains basic techniques used in the DECwindows environment, such as scrolling and selecting text.

The *VMS DECwindows Desktop Applications Guide* describes, in a task-oriented manner, the DECwindows desktop applications. These applications include a tool for reading books online, a tool for displaying CDA (Compound Document Architecture) files, a mail handler, a text editor, a terminal emulator, a calendar, an application for drawing screen images, a clock, a cardfiler, a calculator, and games. A chapter is devoted to each application; users can read about one application at a time without having to read the entire guide.

4.5 VMS Upgrade and Installation Documentation

The *VMS Version 5.5 Upgrade and Installation Manual* is your primary source for step-by-step upgrade and installation procedures. Start any VMS Version 5.5 installation or upgrade by following the instructions in the *VMS Version 5.5 Upgrade and Installation Manual*, which is included in the VMS distribution kit. The *VMS Version 5.5 Upgrade and Installation Manual* also describes the VMS DECwindows installation procedure and how to upgrade a VAXcluster environment.

In addition to the *VMS Version 5.5 Upgrade and Installation Manual*, you received one or more upgrade and installation supplements with your VMS distribution kit. These manuals supplement the *VMS Version 5.5 Upgrade and Installation Manual* with information specific to your VAX computer. Use your computer-specific supplement in conjunction with the *VMS Version 5.5 Upgrade and Installation Manual* when you install or upgrade your system software.

Your computer-specific supplement contains information such as device naming conventions, booting standalone BACKUP, as well as startup and shutdown. There is one upgrade and installation supplement for each family of VAX computers. For example, one supplement is dedicated to the VAX 9000 series of computers.

4.6 VMS Optional Documentation

Optional documentation must be purchased separately from the Extended Documentation Set. There are two categories of optional documentation. The first category is documentation that supports System Integrated Products (products that are sold separately but make use of some existing VMS components). The second category is documentation that describes operating system features, but that is not included in the full document set because it is intended for a limited audience.

The sections that follow describe both categories of documentation.

4.6.1 System Integrated Products

The following books contain documentation that supports System Integrated Products:

- *VMS Volume Shadowing Manual*
- *VAX Volume Shadowing Manual*
- *VAX RMS Journaling Manual*

The *VMS Volume Shadowing Manual* describes phase II volume shadowing on the VMS operating system. The *VAX Volume Shadowing Manual* documents how to use phase I volume shadowing. Together, these manuals describe how to provide high data availability with either the phase I or phase II volume shadowing products.

The *VAX RMS Journaling Manual* describes the three types of RMS Journaling as well as other VMS components that support RMS Journaling. This manual also describes the RMS Recovery Utility (which is used to recover data saved using journaling), the transaction processing system services, and system management tasks required when using RMS Journaling.

4.6.2 VMSINSTAL

The *VMS Developer's Guide to VMSINSTAL* is intended for developers who are designing installation procedures for optional software products layered on the VMS operating system. The manual describes the VMSINSTAL command procedure and provides guidelines for designing installation procedures that conform to standards recommended by Digital.

4.6.3 TECO

The *PDP–11 TECO User's Guide* describes the operating procedures for the PDP–11 TECO (Text Editor and Corrector) program.

4.6.4 VMS DECwindows Programming Kit

The VMS DECwindows Programming Kit contains programming information for a programmer developing DECwindows applications on the VMS operating system.

The VMS DECwindows Programming Kit consists of the following four volumes:

- Volume 1: Application Programming
- Volume 2: Xlib Programming
- Volume 3: Device Driver, Transport
- Volume 4: Display PostScript

The following subsections describe the information contained in each volume of the VMS DECwindows Programming Kit.

Volume 1: Application Programming

The Application Programming volume is divided into three parts: Volume 1A, Volume 1B, and Volume 1C.

Volume 1A consists of the following manuals:

- *XUI Style Guide*
- *VMS DECwindows Guide to Application Programming*
- *VMS DECwindows User Interface Language Reference Manual*

The *XUI Style Guide* outlines standards for the development of DECwindows application interfaces. One of the major goals of the DECwindows product is to provide a user environment in which application interfaces are consistent. Using extensive illustrations of interface objects, the *XUI Style Guide* establishes guidelines that developers should follow to create applications that conform to the XUI style.

The *VMS DECwindows Guide to Application Programming* explains how to use the XUI Toolkit to develop applications. The book includes an explanation of the User Interface Language (UIL) compiler.

The *VMS DECwindows User Interface Language Reference Manual* describes the syntax and features of the User Interface Language (UIL), a specification language for describing the initial state of a user interface for a VMS DECwindows application. The manual contains a description of the syntax of low-level elements and module components of UIL. It also contains information about how to use the UIL compiler and how to interpret compilation diagnostics.

Volume 1B and Volume 1C contain the *VMS DECwindows Toolkit Routines Reference Manual*, which provides the following information:

- A description of the documentation format for XUI Toolkit routines
- Instructions for calling an XUI Toolkit routine that uses the VAX format and the MIT C format
- A description of each argument in the routine
- A description of how the routine functions

Volume 2: Xlib Programming

The Xlib Programming volume is divided into three parts: Volume 2A, Volume 2B, and Volume 2C.

Volume 2A consists of the following manuals:

- *VMS DECwindows Guide to Xlib Programming: MIT C Binding*
- *VMS DECwindows Guide to Xlib Programming: VAX Binding*

These manuals explain how to use Xlib routines in DECwindows applications. The books include an overview of Xlib; a discussion of programming considerations in C, FORTRAN, Ada, and Pascal; and tutorials for using Xlib routines.

Volume 2B and Volume 2C contain the *VMS DECwindows Xlib Routines Reference Manual*, which provides the following information:

- A description of the documentation format for Xlib routines
- Instructions for calling an Xlib routine that uses the VAX format and the MIT C format
- A description of each argument in the routine
- A description of how the routine functions
- A list of values returned by the routine

Volume 3: Device Driver, Transport

The Device Driver and Transport volume contains two manuals: the *VMS DECwindows Device Driver Manual* and the *VMS DECwindows Transport Manual.*

The *VMS DECwindows Device Driver Manual* provides reference information about the DECwindows device drivers. The book explains the architecture for DECwindows device drivers and provides the information necessary to write port and class drivers.

The *VMS DECwindows Transport Manual* describes the theory of operation and interconnection of each component of the VMS DECwindows transport layer. It also describes the recommended coding procedures that you should follow when augmenting the DECwindows transport with a third-party transport.

Volume 4: Display PostScript

The Display PostScript volume contains the following manuals:

- *VMS DECwindows Display PostScript System Programming Supplement*
- *Display PostScript System Perspective for Software Developers*
- *Display PostScript System Client Library Reference Manual*

- *PostScript Language Extensions for the Display PostScript System*
- *PostScript Language Color Extensions*
- *Display PostScript System pswrap Reference Manual*
- *PostScript Document Structuring Conventions Specification Version 2.1*

The *VMS DECwindows Display PostScript System Programming Supplement* includes programming considerations and examples of using Display PostScript in the DECwindows programming environment.

The *Display PostScript System Perspective for Software Developers* provides a device-independent overview of programming using the Display PostScript system.

The other manuals in Volume 4 provide device-independent reference information about programming with Display PostScript.

4.6.5 CDA Kit

The CDA (Compound Document Architecture) Kit contains user and reference material that describes the CDA Services used to convert, view, and transfer CDA documents, and to create CDA-conforming compound document applications and converters. It consists of the following manuals:

- *Introduction to the CDA Services*
- *Guide to Creating Compound Documents with the CDA Toolkit*
- *CDA Reference Manual*

The *Introduction to the CDA Services* provides an overview of compound document processing terminology and the various components of CDA, which include the CDA Toolkit, the Converter Architecture, the DDIF and DTIF interchange formats, and the command line interface to converting, viewing, and transferring CDA documents.

The *Guide to Creating Compound Documents with the CDA Toolkit* is a tutorial manual that describes how to use the CDA Toolkit to create CDA-conforming compound document applications on VMS and on ULTRIX systems.

The *CDA Reference Manual* provides reference material that supplements the two CDA user guides. This reference material describes the DDIF and DTIF aggregates and syntax diagrams, CDA Toolkit and user-defined routines, converter routines, callable DECwindows and character-cell CDA viewer routines, and the ULTRIX and VMS system commands used to convert, view, and transfer CDA documents.

If you have installed the optional layered product VMS DECwindows Motif Version 1.0 (VMS Version 5.4 or above), you should order the CDA kit that contains the following set of manuals:

- *Technical Overview of the DEC CDA Base Services*
- *Creating Compound Documents Using the DEC CDA Base Services*
- *Writing Converters Using the DEC CDA Base Services*
- *Reference Manual*

The *Technical Overview of the DEC CDA Base Services* provides an overview of compound document processing terminology and the various components of the CDA architecture, which include the DDIF and DTIF interchange formats, the CDA data structures and access routines, the converter architecture, and the CDA Viewer.

Creating Compound Documents Using the DEC CDA Base Services provides a tutorial that describes how to use the CDA access routines to create CDA conforming compound document applications.

Writing Converters Using the DEC CDA Base Services is a tutorial manual that describes how to use the CDA access routines to write CDA conforming front end and back end converters.

The *Reference Manual* provides reference material that supplements the CDA user guides. It describes the DDIF and DTIF aggregates and syntax diagrams, the CDA access routines and user-defined routines, converter routines, callable window and character-cell CDA Viewer routines, and converter widget routines.

4.7 Online Help

Many users appreciate the convenience and immediacy of online help. Thus, the VMS operating system provides online help files for commands, utilities, and system routines.

5 Online Documentation

All VMS documentation and many layered product books are available on the Online Documentation (OLD) Library compact disk. These online books can be viewed with the VMS DECwindows Bookreader only. The OLD compact disk is updated bimonthly and is offered on a subscription basis either as a single purchase or bimonthly (6 issues per year). See Section 8.6 for ordering information.

In addition to viewable files of hardcopy books, the OLD compact disk contains viewable files of updated books called Bookreader Updates. A Bookreader Update book reflects pertinent new or changed functionality that has been documented in the *VMS Version 5.5 Release Notes* or the *VMS Version 5.5 New Features Manual.* Since the content of these books has not changed significantly, Bookreader Update books are supplied only in Bookreader form on the Online Documentation (OLD) compact disk, and not in hardcopy.

6 Printable Documentation

A printable file of the following book is contained in the VMS Media kit:

- *Using VMS Backup*

You can print this file, which is available in both .TXT and PostScript formats, and use the included VMS DECwindows Bookreader (DECW$BOOK) file to view the book online.

Note

Using VMS Backup, a new book, is not available in hardcopy format.

7 New Manuals

For VMS Version 5.5, the following manuals have been added to the VMS documentation set:

- *Building Dependable Systems: The VMS Approach*

  This book is described in Section 4.1.3.

- *Guide to DECthreads*

  This book is described in Section 4.2.3.

- *VMS LAD Control Program (LADCP) Manual*

  This book is described in Section 4.2.2.

New Online-Only Manual

Using VMS Backup, a new online-only book, is designed to help novice users perform daily backup tasks. The manual is task-oriented and supplements information in the *VMS Backup Utility Manual*, which is directed at a more technical audience.

8 Ordering Information

The modularity of the VMS Version 5.5 documentation set facilitates ordering various components of the set. You can order the following:

- The Base Documentation Set, which includes the VMS DECwindows User Kit
- The Extended Documentation Set, with or without the Base Documentation Set and including the Obsolete Features Kit
- Any of the three subkits in the Extended Documentation Set:
  - General User
  - System Management
  - Programming
- The Obsolete Features Kit
- The Release Notes Kit
- The VMS DECwindows User Kit
- Any volume in the Extended Documentation Set
- Any manual in either the Base Documentation Set or the Extended Documentation Set
- Any optional documentation

In addition to the printed version, all VMS documentation is also available on a single compact disc for use with the VMS DECwindows Bookreader.

The following sections provide ordering information and tables that list the order numbers for all the components of the VMS Version 5.5 documentation set. If you need additional help deciding which documentation best suits your needs, in the United States call 800-343-4040 before placing your order.

8.1 How to Order Documentation

This section describes how you can order VMS software documentation by telephone, by electronic mail, or by direct mail.

Telephone Orders

Continental USA, Alaska, or Hawaii	Call 800-DIGITAL
Puerto Rico	Call 809-754-7575
Canada	Call 800-267-6215
International	Call local Digital subsidiary or approved distributor

Electronic Orders, USA Only

To place an order at the Electronic Store, dial 800-DEC-DEMO (800-332-3366) using a 1200- or 2400-baud modem. If you need assistance using the Electronic Store, call 800-DIGITAL (800-344-4825).

Direct Mail Orders

Continental USA, Alaska, or Hawaii	Digital Equipment Corporation P.O. Box CS2008 Nashua, New Hampshire 03061
Puerto Rico	Contact local Digital subsidiary
Canada	Digital Equipment of Canada Attn: DECdirect Operations KAO2/2 P.O. Box 13000 100 Herzberg Road Kanata, Ontario, Canada K2K 2A6
International	Contact local Digital subsidiary or approved distributor

8.2 Ordering Complete Sets, Kits, Subkits, and Volumes

Table 2 lists all the sets, kits, subkits, and volumes (and their order numbers) available in the VMS documentation set. The Extended Documentation Set, which can include the Base Documentation Set, consists of the General User, System Management, and Programming Subkits and the Obsolete Features Kit. You must order the Release Notes Kit separately. The sets, kits, subkits, and volumes include binders with the order. (The Base Set manuals are bound and therefore do not require separate binders.) See Tables 3 to 11 for information about ordering any of the individual manuals contained in kits and volumes.

Table 2 Order Numbers for Complete Sets, Kits, Subkits, and Volumes

Title	Order Number	Contents
Base Set[1]	QA–09SAA–GZ.5.5	*VMS User's Manual* *VMS System Manager's Manual* *Building Dependable Systems: The VMS Approach*

[1]When ordering the Base Set or the Extended Set, you should also order the Release Notes Kit. You automatically receive the VMS DECwindows User Kit when you order the Base Set.

(continued on next page)

Table 2 (Cont.) Order Numbers for Complete Sets, Kits, Subkits, and Volumes

Title	Order Number	Contents
		VMS License Management Utility Manual
		VMS DECwindows User Kit
Extended Set (with Base Set)[1]	QA–001AA–GZ.5.5	Base Set
		General User Subkit
		System Management Subkit
		Programming Subkit
		Obsolete Features Kit
Extended Set (without Base Set)[1]	QA–001A4–GZ.5.5	General User Subkit
		System Management Subkit
		Programming Subkit
		Obsolete Features Kit
General User Subkit	QA–001A1–GZ.5.5	Volumes 1–6 (with binders)
Volume 1	QA–001AB–GZ.5.5	General Information (binder, 3 manuals)
Volume 2	QA–001AC–GZ.5.0	Using VMS (binders A and B, 6 manuals)
Volume 3	QA–001AD–GZ.5.0	Using DCL (binder, 2 manuals)
Volume 4	QA–001AE–GZ.5.4	DCL Dictionary (binders A and B, 2 manuals)
Volume 5	QA–001AF–GZ.5.4	Processing Text (binders A and B, 4 manuals)
Volume 6	QA–001AG–GZ.5.4	System Messages (binders A and B, 2 manuals)
System Management Subkit	QA–001A2–GZ.5.5	Volumes 1–5 (with binders)
Volume 1	QA–001AH–GZ.5.5	Setup (binders A and B, 11 manuals)
Volume 2	QA–001AJ–GZ.5.5	Maintenance (binder, 6 manuals)
Volume 3	QA–001AK–GZ.5.2	Security (binder, 4 manuals)
Volume 4	QA–001AL–GZ.5.0	Performance (binder, 4 manuals)
Volume 5	QA–001AN–GZ.5.0	Networking (binders A and B, 4 manuals)
Programming Subkit	QA–001A3–GZ.5.5	Volumes 1–10 (with binders) and 1 perfect-bound manual
		Guide to DECthreads

[1]When ordering the Base Set or the Extended Set, you should also order the Release Notes Kit. You automatically receive the VMS DECwindows User Kit when you order the Base Set.

(continued on next page)

Table 2 (Cont.) Order Numbers for Complete Sets, Kits, Subkits, and Volumes

Title	Order Number	Contents
Volume 1	QA–001AP–GZ.5.5	Introduction (binder, 3 manuals)
Volume 2	QA–001AQ–GZ.5.5	Programming Utilities (binders A and B, 7 manuals)
Volume 3	QA–001AR–GZ.5.4	System Routines (binder, 2 manuals)
Volume 4	QA–001AS–GZ.5.5	System Services (binders A and B, 2 manuals)
Volume 5	QA–001AT–GZ.5.4	Run-Time Library (3 binders, 8 manuals)
Volume 6	QA–001AU–GZ.5.0	File System (2 binders, 6 manuals)
Volume 7	QA–001AV–GZ.5.4	System Programming (2 binders, 4 manuals)
Volume 8	QA–001AW–GZ.5.4	Device Support (binders A and B, 2 manuals)
Volume 9	QA–001AX–GZ.5.4	VAX MACRO (binder, 1 manual)
Volume 10	QA–09SAD–GZ.5.4	VAXTPU (2 binders, 2 manuals)
Release Notes Kit	QA–001AY–GZ.5.5	VMS Version 5.5 release information (2 binders, cover letters, SPDs, 3 manuals)
Obsolete Features Kit	QA–001AZ–GZ.5.0	Obsolete Features (binder, 1 manual)
VMS DECwindows User Kit	QA–09SAB–GZ.5.4	*VMS DECwindows User's Guide* *VMS DECwindows Desktop Applications Guide*
VMS DECwindows Programming Kit	QA–001AM–GZ.5.4	Volumes 1–4 (with binders)
Volume 1	QA–001A5–GZ.5.4	Application Programming (3 binders, 5 manuals)
Volume 2	QA–001A6–GZ.5.4	Xlib Programming (3 binders, 4 manuals)
Volume 3	QA–001A7–GZ.5.4	Device Driver, Transport (1 binder, 2 manuals)
Volume 4	QA–09SAC–GZ.5.4	Display PostScript (1 binder, 7 manuals)
CDA Kit	QA–YMFAA–GZ.1.3	*Introduction to the CDA Services* *Guide to Creating Compound Documents with the CDA Toolkit* *CDA Reference Manual* (2 binders, 2 manuals)

(continued on next page)

Table 2 (Cont.) Order Numbers for Complete Sets, Kits, Subkits, and Volumes

Title	Order Number	Contents
CDA Kit (for VMS DECwindows Motif Version 1.0)	QA–YQXAA–GZ.1.0	*Technical Overview of the DEC CDA Base Services* *Creating Compound Documents Using the DEC CDA Base Services* *Writing Converters Using the DEC CDA Base Services* *Reference Manual* (2 binders, 2 manuals)
Volume Shadowing Kit	QA–AB2AA–GZ.5.4	*VMS Volume Shadowing Manual* *VAX Volume Shadowing Manual*

8.3 Ordering Individual Manuals

Tables 3 to 11 list the individual manuals in the VMS Version 5.4 documentation set and their order numbers. Table 12 lists the order numbers for subscribing to the *VMS Online Documentation Library*.

Table 3 provides order numbers for the manuals in the Base Set, the VMS DECwindows User Kit (included with the Base Set), the Release Notes Kit, and the Obsolete Features Kit.

Table 3 Order Numbers for Manuals in the Base Documentation Set, DECwindows User Kit, Release Notes Kit, and Obsolete Features Kit

Kit	Manual Title	Order Number
Base Set	*VMS User's Manual*	AA–LA98B–TE
	VMS System Manager's Manual	AA–LA00B–TE
	Building Dependable Systems: The VMS Approach	AA–PH62A–TE
	VMS License Management Utility Manual	AA–LA33C–TE
Release Notes Kit	*Cover Letter for VMS*	AV–PG8CD–TE
	Cover Letter for DECnet–VAX	AV–DL04K–TE
	Cover Letter for VAXcluster	AV–LS20F–TE
	VMS Software Product Description	AE–HQ86M–TE
	DECnet–VAX Software Product Description	AE–NJ32E–TE
	VAXcluster Software Product Description	AE–LS19F–TE

(continued on next page)

Table 3 (Cont.) Order Numbers for Manuals in the Base Documentation Set, DECwindows User Kit, Release Notes Kit, and Obsolete Features Kit

Kit	Manual Title	Order Number
	Volume Shadowing Software Product Description	AE–HP38K–TE
	RMS Journaling Software Product Description	AE–JG40H–TE
	Overview of VMS Documentation	AA–LA95D–TE
	VMS Version 5.5 New Features Manual	AA–LA97D–TE
	VMS Version 5.5 Release Notes	AA–LB22D–TE
VMS DECwindows User Kit[1]	*VMS DECwindows User's Guide*	AA–MG18B–TE
	VMS DECwindows Desktop Applications Guide	AA–MG19B–TE
Obsolete Features Kit	*VMS Obsolete Features Manual*	AA–LB25A–TE

[1]The VMS DECwindows User Kit is also included with the Base Documentation Set.

Table 4 lists order numbers for the individual manuals in the General User Subkit.

Table 4 Order Numbers for Manuals in the General User Subkit

Volume	Manual Title	Order Number
Volume 1/General Information	*VMS Master Index*	AA–LA01C–TE
	VMS General User Master Index	AA–LA02B–TE
	VMS Glossary	AA–LA03B–TE
Volume 2A/Using VMS	*Introduction to VMS*	AA–LA04A–TE
	Guide to Using VMS	AA–LA05A–TE
	Guide to VMS Files and Devices	AA–LA06A–TE
Volume 2B/Using VMS	*VMS Mail Utility Manual*	AA–LA07A–TE
	VMS Phone Utility Manual	AA–LA08A–TE
	VMS Sort/Merge Utility Manual	AA–LA09A–TE
Volume 3/Using DCL	*VMS DCL Concepts Manual*	AA–LA10A–TE
	Guide to Using VMS Command Procedures	AA–LA11A–TE
Volume 4A/DCL Dictionary	*VMS DCL Dictionary: Part I*	AA–PBK5A–TE
Volume 4B/DCL Dictionary	*VMS DCL Dictionary: Part II*	AA–PBK6A–TE

(continued on next page)

Table 4 (Cont.) Order Numbers for Manuals in the General User Subkit

Volume	Manual Title	Order Number
Volume 5A/Processing Text	*Guide to VMS Text Processing*	AA–LA13B–TE
	VAX EDT Reference Manual	AA–LA16A–TE
Volume 5B/Processing Text	*VAX DIGITAL Standard Runoff Reference Manual*	AA–LA15A–TE
	VMS EVE Reference Manual	AA–NG62B–TE
Volume 6A/System Messages	*VMS System Messages and Recovery Procedures Reference Manual: Part I*	AA–LA17B–TE
Volume 6B/System Messages	*VMS System Messages and Recovery Procedures Reference Manual: Part II*	AA–LA18B–TE

Table 5 provides order numbers for the manuals in the System Management Subkit.

Table 5 Order Numbers for Manuals in the System Management Subkit

Volume	Manual Title	Order Number
Volume 1A/Setup	*VMS System Management Master Index*	AA–LA23C–TE
	Introduction to VMS System Management	AA–LA24A–TE
	Guide to Setting Up a VMS System	AA–LA25A–TE
	VMS SYSMAN Utility Manual	AA–LA26B–TE
Volume 1B/Setup	*VMS VAXcluster Manual*	AA–LA27C–TE
	VMS Exchange Utility Manual	AA–LA28A–TE
	VMS Install Utility Manual	AA–LA29A–TE
	VMS LAT Control Program (LATCP) Manual	AA–LA32B–TE
	VMS LAD Control Program (LADCP) Manual	AA–PKDAA–TE
	VMS System Generation Utility Manual	AA–LA30A–TE
	VMS Terminal Fallback Utility Manual	AA–LA31A–TE
Volume 2/Maintenance	*Guide to Maintaining a VMS System*	AA–LA34B–TE
	VMS Analyze/Disk_Structure Utility Manual	AA–LA39A–TE
	VMS Backup Utility Manual	AA–LA35A–TE
	VMS Bad Block Locator Utility Manual	AA–LA36A–TE
	VMS Error Log Utility Manual	AA–LA37A–TE
	VMS Mount Utility Manual	AA–LA38A–TE

(continued on next page)

Table 5 (Cont.) Order Numbers for Manuals in the System Management Subkit

Volume	Manual Title	Order Number
Volume 3/Security	*Guide to VMS System Security*	AA–LA40B–TE
	VMS Access Control List Editor Manual	AA–LA41A–TE
	VMS Authorize Utility Manual	AA–LA42A–TE
	VMS Audit Analysis Utility Manual	AA–NG63A–TE
Volume 4/Performance	*Guide to VMS Performance Management*	AA–LA43A–TE
	VMS Accounting Utility Manual	AA–LA44A–TE
	VMS Monitor Utility Manual	AA–LA45A–TE
	VMS Show Cluster Utility Manual	AA–LA46A–TE
Volume 5A/Networking	*Guide to DECnet–VAX Networking*	AA–LA47A–TE
	VMS Networking Manual	AA–LA48A–TE
Volume 5B/Networking	*VMS Network Control Program Manual*	AA–LA50A–TE
	VMS DECnet Test Sender/DECnet Test Receiver Utility Manual	AA–LA49A–TE

Table 6 provides order numbers for the manuals in the Programming Subkit.

Table 6 Order Numbers for Manuals in the Programming Subkit

Volume	Manual Title	Order Number
	Guide to DECthreads	AA–PJNEA–TK
Volume 1/Introduction	*VMS Programming Master Index*	AA–LA56C–TE
	Guide to VMS Programming Resources	AA–LA57A–TE
	Guide to Creating VMS Modular Procedures	AA–LA58A–TE
Volume 2A/Utilities	*VMS Debugger Manual*	AA–LA59D–TE
Volume 2B/Utilities	*VMS Command Definition Utility Manual*	AA–LA60A–TE
	VMS Librarian Utility Manual	AA–LA61A–TE
	VMS Linker Utility Manual	AA–LA62A–TE
	VMS Message Utility Manual	AA–LA63A–TE
	VMS Patch Utility Manual	AA–LA64A–TE
	VMS SUMSLP Utility Manual	AA–LA65A–TE
Volume 3/System Routines	*Introduction to VMS System Routines*	AA–LA66B–TE
	VMS Utility Routines Manual	AA–LA67B–TE
Volume 4A/System Services	*Introduction to VMS System Services*	AA–LA68B–TE

(continued on next page)

Table 6 (Cont.) Order Numbers for Manuals in the Programming Subkit

Volume	Manual Title	Order Number
Volume 4B/System Services	*VMS System Services Reference Manual*	AA–LA69B–TE
Volume 5A/Run-Time Library	*Introduction to the VMS Run-Time Library*	AA–LA70A–TE
	VMS RTL DECtalk (DTK$) Manual	AA–LA71A–TE
	VMS RTL Mathematics (MTH$) Manual	AA–LA72B–TE
	VMS RTL General Purpose (OTS$) Manual	AA–LA73A–TE
	VMS RTL Parallel Processing (PPL$) Manual	AA–LA74B–TE
Volume 5B/Run-Time Library	*VMS RTL Library (LIB$) Manual*	AA–LA76A–TE
Volume 5C/Run-Time Library	*VMS RTL Screen Management (SMG$) Manual*	AA–LA77A–TE
	VMS RTL String Manipulation (STR$) Manual	AA–LA75A–TE
Volume 6A/File System	*Guide to VMS File Applications*	AA–LA78A–TE
	VMS Analyze/RMS_File Utility Manual	AA–LA79A–TE
	VMS Convert and Convert/Reclaim Utility Manual	AA–LA80A–TE
	VMS File Definition Language Facility Manual	AA–LA81A–TE
	VMS National Character Set Utility Manual	AA–LA82A–TE
Volume 6B/File System	*VMS Record Management Services Manual*	AA–LA83A–TE
Volume 7A/System Programming	*VMS I/O User's Reference Manual: Part I*	AA–LA84B–TE
	VMS I/O User's Reference Manual: Part II	AA–LA85A–TE
Volume 7B/System Programming	*VMS Delta/XDelta Utility Manual*	AA–LA86A–TE
	VMS System Dump Analyzer Utility Manual	AA–LA87A–TE
Volume 8A/Device Support	*VMS Device Support Manual*	AA–PBPWA–TE
Volume 8B/Device Support	*VMS Device Support Reference Manual*	AA–PBPXA–TE

(continued on next page)

Table 6 (Cont.) Order Numbers for Manuals in the Programming Subkit

Volume	Manual Title	Order Number
Volume 9/VAX MACRO	*VAX MACRO and Instruction Set Reference Manual*	AA–LA89B–TE
Volume 10A/VAXTPU	*VAX Text Processing Utility Manual: Part I*	AA–PBTMA–TE
Volume 10B/VAXTPU	*VAX Text Processing Utility Manual: Part II*	AA–PBTNA–TE

8.4 Order Numbers for Upgrade and Installation Supplements

Table 7 lists the titles and order numbers of upgrade and installation manual and supplements.

Table 7 Order Numbers for Upgrade and Installation Supplements

Title	Order Number
VMS Upgrade and Installation Supplement: VAX 8530, 8550, 8810 (8700), and 8820-N (8800)	AA–LB26B–TE
VMS Upgrade and Installation Supplement: VAX 8600, 8650	AA–LB27B–TE
VMS Upgrade and Installation Supplement: VAX 8200, 8250, 8300, 8350	AA–LB28B–TE
VMS Upgrade and Installation Supplement: VAX–11/780, 785	AA–LB29B–TE
VMS Upgrade and Installation Supplement: VAX–11/750	AA–LB30B–TE
VMS Installation and Operations: VAX–11/730	AA–LB31B–TE
VMS Installation and Operations: VAXstation II, II/GPX and MicroVAX II	AA–LB32B–TE
VMS Upgrade and Installation Supplement: VAXstation 2000, MicroVAX 2000	AA–LB34B–TE
VMS Upgrade and Installation Supplement: VAXstation 3100, 4000 and MicroVAX 3100 Series	AA–NY74C–TE
VMS Upgrade and Installation Supplement: VAX 4000 Series and MicroVAX, VAXstation, and VAXserver 3200, 3300/3400, 3500/3600, 3800/3900 Series	AA–LB35D–TE
VMS Upgrade and Installation Supplement: VAXstation 3520, 3540	AA–NC52B–TE
VMS Upgrade and Installation Supplement: VAX 8820, 8830, 8840	AA–LB37B–TE
VMS Upgrade and Installation Supplement: VAX 6000 Series	AA–LB36C–TE
VMS Upgrade and Installation Supplement: VAXft Systems	AA–PJQ2A–TE
VMS Upgrade and Installation Supplement: VAX 9000 Series	AA–PBK8A–TE
VMS Version 5.5 Upgrade and Installation Manual	AA–NG61E–TE

8.5 Order Numbers for Optional Manuals

Table 8 lists the titles and order numbers of optional manuals.

Table 8 Order Numbers for Optional Manuals

Title	Order Number
VMS Volume Shadowing Manual	AA–PBTVA–TE
VAX Volume Shadowing Manual	AA–LB18A–TE
VAX RMS Journaling Manual[1]	AI–JG41B–TE
VMS Developer's Guide to VMSINSTAL[1]	AI–LA99B–TE
PDP–11 TECO User's Guide	AA–K420B–TC

[1]Includes a binder.

Table 9 provides order numbers for the manuals in the VMS DECwindows Programming Kit.

Table 9 Order Numbers for Manuals in the VMS DECwindows Programming Kit

Volume	Manual Title	Order Number
Volume 1A/Application Programming	*XUI Style Guide*	AA–MG20A–TE
	VMS DECwindows Guide to Application Programming	AA–MG21B–TE
	VMS DECwindows User Interface Language Reference Manual	AA–MG22B–TE
Volume 1B/Application Programming	*VMS DECwindows Toolkit Routines Reference Manual: Part I*	AA–MG23B–TE
Volume 1C/Application Programming	*VMS DECwindows Toolkit Routines Reference Manual: Part II*	AA–MK88B–TE
Volume 2A/Xlib Programming	*VMS DECwindows Guide to Xlib Programming: MIT C Binding*	AA–MG24B–TE
	VMS DECwindows Guide to Xlib Programming: VAX Binding	AA–MG25B–TE
Volume 2B/Xlib Programming	*VMS DECwindows Xlib Routines Reference Manual: Part I*	AA–MG26B–TE
Volume 2C/Xlib Programming	*VMS DECwindows Xlib Routines Reference Manual: Part II*	AA–MG27B–TE
Volume 3/Device Driver, Transport	*VMS DECwindows Device Driver Manual*	AA–MG28B–TE
	VMS DECwindows Transport Manual	AA–PABWA–TE

(continued on next page)

Table 9 (Cont.) Order Numbers for Manuals in the VMS DECwindows Programming Kit

Volume	Manual Title	Order Number
Volume 4/Display PostScript	*VMS DECwindows Display PostScript System Programming Supplement*	AA–PBKFA–TE
	Display PostScript System Perspective for Software Developers	AA–PBKAA–TK
	Display PostScript System Client Library Reference Manual	AA–PBKEA–TK
	PostScript Language Extensions for the Display PostScript System	AA–PBKCA–TK
	PostScript Language Color Extensions	AA–PBKDA–TK
	Display PostScript System pswrap Reference Manual	AA–PBKBA–TK
	PostScript Document Structuring Conventions Specification Version 2.1	AA–PBPUA–TK

Table 10 provides order numbers for the manuals in the CDA (Compound Document Architecture) Kit.

Table 10 Order Numbers for Manuals in the CDA Kit

Volume	Manual Title	Order Number
CDA User Guides	*Introduction to the CDA Services*	AA–PB0JA–TK
	Guide to Creating Compound Documents with the CDA Toolkit	AA–PBOKA–TK
Volume 1/CDA	*CDA Reference Manual* (Volume 1)[1]	AI–PBD3A–TE
Volume 2/CDA	*CDA Reference Manual* (Volume 2)[1]	AI–PC02A–TE

[1]Includes a binder.

Table 11 provides order numbers for the manuals in the CDA (Compound Document Architecture) Kit for use with the layered product VMS DECwindows Motif Version 1.0.

Table 11 Order Numbers for Manuals in the CDA Kit Used With DECwindows Motif Version 1.0

Volume	Manual Title	Order Number
CDA User Guides	*Technical Overview of the DEC CDA Base Services*	AA–PHJYA–TE
	Creating Compound Documents Using the DEC CDA Base Services	AA–PHK2A–TE
	Writing Converters Using the DEC CDA Base Services	AA–PHK1A–TE

(continued on next page)

Table 11 (Cont.) Order Numbers for Manuals in the CDA Kit Used With DECwindows Motif Version 1.0

Volume	Manual Title	Order Number
Volume 1/CDA	*Reference Manual* (Volume 1)[1]	AA–PHJZA–TE
Volume 2/CDA	*Reference Manual* (Volume 2)[1]	AA–PHK0A–TE

[1]Includes a binder.

8.6 Order Numbers for the Online Documentation (OLD) Library Compact Disk

Table 12 lists the following order numbers for the *VMS Online Documentation Library*:

Table 12 Order Numbers for the Online Documentation (OLD) Library Compact Disk

Compact Disk Title	Order Number	Subscription
VMS Online Documentation Library	QA–VYR8A–G8	Single issue
VMS Online Documentation Library	QT–VYR8A–C8	1 Year (6 issues)

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International	———	Local Digital subsidiary or approved distributor
Internal[1]	———	USASSB Order Processing - WMO/E15 *or* U.S. Area Software Supply Business Digital Equipment Corporation Westminster, Massachusetts 01473

[1]For internal orders, you must submit an Internal Software Order Form (EN-01740-07).

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Clarity (easy to understand)	☐	☐	☐	☐
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Thank you for your assistance.

I rate this manual's:	Excellent	Good	Fair	Poor
Accuracy (software works as manual says)	☐	☐	☐	☐
Completeness (enough information)	☐	☐	☐	☐
Clarity (easy to understand)	☐	☐	☐	☐
Organization (structure of subject matter)	☐	☐	☐	☐
Figures (useful)	☐	☐	☐	☐
Examples (useful)	☐	☐	☐	☐
Index (ability to find topic)	☐	☐	☐	☐
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