Software Product Description

PRODUCT NAME: VAX DOCUMENT, Version 2.0 **SPD 27.55.05**

DESCRIPTION

VAX DOCUMENT is a style-based, batch-oriented, document composition system. It is designed to aid VMS users in the production of single manuals, large documentation sets, or specifications, and it supports hardcopy and online output. VAX DOCUMENT runs on a wide range of Digital configurations, including VAXclusters. It can be used from any of Digital's standard terminals, and it can create files for hardcopy output to any Digital line printer or laser printer, or Bookreader files for online viewing on a DECwindows workstation.

VAX DOCUMENT provides a complete, high-end documentation product that automates the production of large, format-intensive, technical documentation — from the first entry of written material to the final output of formatted hardcopy or online documentation. VAX DOCUMENT is designed for use by members of the team of people who contribute to a technical document during its life cycle; engineers, writers, editors, or final production specialists. Facilities are provided to create, maintain, revise, format, and print complex technical documents efficiently. This provides greater control over the entire documentation process while reducing time-to-market and costs.

Features

Generic Markup Language

VAX DOCUMENT uses a device-independent generic markup language for entering source text and markup instructions into ASCII text files. Using any VMS editor, the writer creates a documentation source file, enters the text, and inserts markup commands (tags) that label the text elements. Text elements determine the structure of the document and refer to such things as headers, lists, or tables.

The markup tags have no specific formatting information. VAX DOCUMENT stores the formatted information in a separate file that is used when the documentation source file is processed.

Markup tags enable the writer to include graphic files in the final output document. VAX DOCUMENT supports sixel graphic files for the LN03 or LN03 PLUS printers and PostScript® graphic files for the LPS40 or LN03R printers. PostScript graphic files must conform to the Encapsulated PostScript File Format published by Adobe Systems Incorporated.

The VAX Language-Sensitive Editor can be used in conjunction with VAX DOCUMENT to simplify the creation of documentation source files and to debug the markup code interactively.

Multiple Document Designs and Styles

VAX DOCUMENT supports a variety of document types and designs. The document type refers to the structure and text elements associated with a particular document, for example a user manual, military specification, or letter. A design denotes a variation in the style of a document type and refers to such elements as running heads, running feet, and the typefaces and sizes for titles, headings, and notes. VAX DOCUMENT provides document types and designs for:

SOFTWARE — The SOFTWARE document type can be used for producing user manuals containing software-specific information. This document type provides many software-specific features such as: a set of tags to draw keypad diagrams, a set of tags to format system messages, and a structured set of tags (called templates) to document software commands, routines, and programming language statements. VAX DOCUMENT also provides a design for specifications, as well as designs that are similar to those that Digital uses to produce its own documentation.

MILITARY SPECIFICATIONS — The MILSPEC document type can be used for producing military specifications according to military standards. It includes a front page with a title and subtitle, a two-column list of signatures, and a listing of information about the specification.

A design is provided to produce documents requiring security classifications, numbering of figures and tables by section number, 20 heading levels, one- to

four-line running titles, single-line running feet, and the ability to use proportionally spaced fonts within code examples. This design is available in double-spaced format for draft documents.

MANUALS — The MANUAL document type can be used for documenting chapter-oriented material such as a book. VAX DOCUMENT provides designs for primer, guide, and reference manuals.

OVERHEADS — The OVERHEADS document type lets the user produce overhead slides for transparencies or camera-ready masters for 35mm slides. This document type provides features specific to presentation slides, such as automatic numbering of slides, title, topic, running heads and feet, and the capability to control the size of text.

LETTERS — The LETTER document type can be used for producing a personal or business letter, or interoffice memos. The doctype includes markup tags for an inside and outside address, salutation, closing, and enclosures.

ARTICLES — The ARTICLE document type provides many tags specific to articles, such as author information, back notes, bibliography reference sections, and an acknowledgment section. The design is in two-column format in 8 1/2 x 11 page size.

REPORTS — The REPORT document type provides features useful for producing chapter-oriented material (such as a book) or nonchapter-oriented material (such as a report or a study). It includes a front page with lines for sign-off signatures, outlining tags, and the capability to control numbered or unnumbered heads, running heads and running feet, and sequential or chapter-oriented page numbering. Designs are provided for two-column text and for text that uses the full page width.

ONLINE Doctypes — The online doctypes provide features to support the creation of online documentation to be viewed with the DECwindows Bookreader. VAX DOCUMENT supports the BOOKREADER destination and includes the following online doctypes:

MANUAL.ONLINE
SOFTWARE.ONLINE
MILSPEC.ONLINE

Note: VAX DOCUMENT offers the online MILSPEC doctype that emulates DoD standards on the Bookreader. This doctype is not a DoD standard, but only an online representation of the above standards.

Customizable Document Designs and Styles

The system administrator or book designer can customize the document types and/or designs provided with VAX DOCUMENT. Although the user cannot change the fundamental layout of most text elements, a variety of design parameters can be changed. These include:

- Parameters that control basic page dimensions
- Fonts for text elements
- Vertical spacing around text elements
- Rule thickness
- Default text for element identifiers

In addition, the positioning of certain text elements, such as figure captions, can be changed.

Refer to the VAX DOCUMENT documentation for a complete list of Digital supported modifications to document types and designs.

Page Composition and Pagination Software

VAX DOCUMENT provides a powerful and sophisticated text formatter. The capabilities that it provides include:

- Automatic numbering of headings, sections, lists, sublists, chapters, appendices
- Automatic pagination with page numbering
- Running headers and footers
- Footnotes
- Hyphenation and justification (right-justified or ragged-right)
- Complex multi-page tables and figures
- Multi-column output
- Horizontal rules, revision (change) bars, and update pages
- Automatic generation of table of contents and index
- Automatic cross referencing
- Kerning and variable leading
- Full Multi-National Character Set
- Formatting of complex mathematical equations; from simple in-line equations to complex matrices

Complete Bookbuilding Facilities

VAX DOCUMENT contains software for processing a set of files to build an entire book, including a table of contents and index. The information required to build a book is contained in a user-created generic markup file that lists the names, the location, and the sequence of all the files.

High Quality Output

VAX DOCUMENT can be used to produce high-quality output with merged text and graphics for printing on the LN03, LN03 PLUS, LN03R, and LPS40 printers, or for online viewing on a DECwindows workstation.

PostScript output is produced by taking advantage of the fonts resident in the LN03R and LPS40 printers.

Fonts for the LN03 and LN03 PLUS printers are available from the DCS Library.

Monospaced Output

VAX DOCUMENT can produce output for printing or displaying on any Digital character-cell terminal and monospaced line printer.

Enhanced HELP Capabilities

VAX DOCUMENT includes DCL HELP for SDML tags and context-sensitive SDML help in LSE.

Sophisticated Art-Generating Capabilities

VAX DOCUMENT supports the creation of graphics for compound documents and online documentation using the VAX DOCUMENT graphics editor. The VAX DOCUMENT graphics editor runs on a DECwindows workstation allowing text and graphics to be created and maintained separately. The graphics editor includes the following features:

- A DECwindows-based user interface to a comprehensive set of object-oriented graphics creation and editing functions.
- Full color capabilities.
- Screen capture and annotation.
- Viewer capability for rapid scanning of graphics files.
- Can submit graphics for hardcopy printing or inclusion in online documents.
- Provides a user-extendable clip-art library.
- The graphics editor can create the following types of file images:

  CDA DDIF images (import and export)
  Sixel (import and export)
  Bookreader format (import and export)
  PostScript (export)
  Xbitmap (import)

New and Revised Documentation

VAX DOCUMENT documentation is restructured to enhance usability in addition to supporting new features. The documents will also be available on the OLD CDROM for Bookreader viewing.

VAX DOCUMENT enhancements include:

- Support of blank-page inserting for hardcopy printing on duplex devices.
- Support of ISO Latin-1 character set.
- Support for documentation produced in 12 languages, including language-specific hyphenation and index sorting. Text generated tags are also language specific (words such as "Chapter" or "Index"). Languages include Danish, Finnish, Swedish, Dutch, French, Canadian-French, German, Spanish, Portuguese, Italian, Norwegian, and English.
- Support for monospaced PostScript fonts to complement available sizes for proportional text fonts.

HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation, or VAXserver configuration as specified in the System Support Addendum (SSA 27.55.05-x).

SOFTWARE REQUIREMENTS

VMS Operating System
VMS DECwindows
(VMS DECwindows must be installed to use the VAX Document Graphics Editor and associated graphics components as well as to build online books with VAX DOCUMENT using the ONLINE doctype option.)

Refer to the System Support Addendum (SSA 27.55.05-x) for availability and required versions of prerequisite/optional software and for information regarding components of VMS DECwindows.

ORDERING INFORMATION

Software Licenses: QL-VEEA*-**
Software Media: QA-VEEA*-**
Software Documentation: QA-VEEAA-GZ
Software Product Services: QT-VEEA*-**

* Denotes variant fields. For additional information on available licenses, services, and media, refer to the appropriate price book.

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License units for this product are allocated on a CPU-capacity basis.

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