Software Product Description

PRODUCT NAME: **DECpage, Version 3.1** **SPD 26.29.09**

DESCRIPTION

DECpage is a style controlled batch formatter offered as a VMS layered product. DECpage is available as an option to WPS-PLUS/VMS and ALL-IN-1.

Using WPS-PLUS documents for input, DECpage produces high-quality text, or high-quality integrated text and graphics output to Digital Equipment Corporation's laser printers.

DECpage uses normal, italic, and bold fonts in a variety of proportionally spaced typefaces in several character sizes. DECpage produces most types of standard office documents, including:

- Memos
- Reports
- Business letters
- Directories
- Announcements
- Newsletters
- Overhead Transparencies

DECpage formats an entire document, with or without graphics, by performing automatic typeface selection, line justification, and pagination based on the user's selection of any of the 41 professionally designed print styles, or styles created by the user.

Features

- WPS-PLUS Integration - DECpage is an option to WPS-PLUS/VMS and ALL-IN-1. DECpage appears on the WPS-PLUS Document Processing Menu and document selections can be made directly from the DECpage menu.
- Graphics Support - Users can incorporate PostScript® , Sixel, ReGIS, or GKS files into their output document by specifying a size (small, large, and landscape), a caption if desired, and the name of the graphic file to be included in the final output. DECpage locates the graphic file and positions it in place or, if necessary, floats it to the top or bottom of the current, facing or following page.

  DECpage supports PostScript graphics created using the Adobe Illustration™ package, ReGIS and Sixel graphics by mean of translation software, and GKS graphics. Note: DECpage only supports GKS on PostScript printers (ScriptPrinter, PrintServer 20, PrintServer 40, PrintServer 40 Plus).

  Sixel files must conform to the Sixel graphics extension of the Video Systems Reference Manual (DEC-Standard 070). An LN03 or LN03 PLUS laser printer is required for Sixel graphics support.

  Although an LN03 can handle simple business graphics, it is recommended that an LN03 PLUS be used for maximum results.

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- Clip Art - Users can insert directly into their DECpage document any one of ninety-nine PostScript graphic files. These PostScript files were created by Studio Advertising Art and are known as Studio's Click and Clip library. This artwork contains a wide variety of art ranging from baseball caps to portraits of George Washington.
- Logo Support - 26 PostScript logos can be accessed using the expanded dead key sequences. These logos allow the user to create a boarder effect for both landscape and portrait output. Users can also include watermark text to appear on each of the printed pages, for example, CONFIDENTIAL, TOP SECRET, PRIORITY, and DRAFT.
- User Designed Styles - Provides the user with the ability to copy any of the provided 41 DECpage styles and then modify the following document attributes:
  - Page width and depth
  - Placement of top and left margins
  - Location of crop marks
  - Block width and depth
  - Minimum and maximum block depths
  - Trim margins
  - Logo width and depth
  - Typefaces
  - Space above and below elements
  - Point size
  - Line depth
  - Paragraph indents
  - Paragraph numbering
  - Left margin indents
  - Line width
  - Automatic label text
  - Graphic dimensions
  - Super/subscript characteristics
  - Optional page numbering
  - End notes
  - Optional hyphenation
  - Appendix text
  - Column headings
  - Rendition selection
  - Footnote characteristics
  - Literal text characteristics
  - Landscape text characteristics
  - PrintServer 40 bin and tray selection
  - PrintServer 20 bin and tray selection

  Once the desired modifications have been made, users can test and build their own style.
- DECstandard 169 Support - Complete support for DECstandard coded graphic character sets for hardware and software.
- *International Scope*
  - Paper Sizes - DECpage is designed to format and print documents on either ISO paper sizes (A4/A5) or American paper sizes (7x9/8.5x11). At installation time, the option is offered to load the corresponding style files on the system.
  - Multi-national Character Set - In addition to the ASCII, Technical, and Line Drawing character sets, DECpage supports the Multi-national Character Set (MCS), providing the characters needed by various European languages (accented vowels, combination characters, and so forth).
  - Multiple Language Hyphenation - Provides separate hyphenation procedures for American-English, British-English, Danish, Dutch, Finnish, French, German, Italian, Norwegian, Portuguese, Spanish and Swedish. Through the use of WPS-PLUS print control blocks, it is possible to change the hyphenation procedures within a document. This enables the printing of documents containing multiple languages.
  - Multiple Language Environment - Subject to availability of secondary language variants, DECpage can be installed in a multiple language environment (WPS-PLUS/VMS or ALL-IN-1) and can support multiple language operations on a single system.
- 1/2 Line Spacing - Supports half-line spacing in literal or landscape mode using the standard WPS-PLUS user interface.
- Table of Contents, Figures, Tables, Illustrations, Examples - Automatically creates a table of contents within a specified report style, as well as an automatic list of figures, tables, illustrations, and examples.
- Table of Authorities (Citations) - Provides the ability to compile an automatic table of authorities (citations) within a specified report style.
- Indexing - Provides automatic indexing within a specified report style using index markup and specifying an automatic index section.
- Master Document - Provides the ability to create a master document that combines a list of documents, in the order in which they are to appear, into a single output document.
- Appendix - Provides support of an automatically page numbered appendix section within a report style.
- Section Number - Provides the ability to set the section (or chapter) number for the page numbering in a document.
- Document Preview - Provides the option of "previewing" the document on a VT1XX, VT2XX or VT3XX terminal screen. Prior to printing the document, users will be able to see heading positions, line endings, white space indicating graphic positions, and page breaks. Previewing is available for the following output devices: LN03, LN03 PLUS, ScriptPrinter, PrintServer 20, PrintServer 40 and PrintServer 40 Plus. DECpage saves the preview file, which can then be printed directly to an output device.
- Wrapping Columns - Provides the ability to output wrapped justified text within the columns of a table.
- Table Column Headings and Continuation - Provides support for continuing table column headings when a table breaks over a page boundary.

- Print Style Library - The print style determines the appearance of the final document. Designed by graphic artists, the print styles combine font selection with professional document design.

  DECpage allows a single WPS-PLUS document to be printed in a variety of styles. A report, for example, can be printed in either block style or two-column style with no revision to the input document.

- PrintServer 20 Duplex Support - DECpage supports the duplex printing feature of the PrintServer 20. Once customized by means of the Device to Queue menu option, users will have the capability of selecting any of the two sided styles which are shipped as part of the product to produce two sided output.

- Attached Printer Support - Users can format their documents and print them directly on LN03, LN03 PLUS and LN03R printers which are directly connected to their terminal printer ports.

- DECpage Styles

Announcement Styles

A1	Justified right; centered headings - Triumvirate
A2	Ragged right; flush left headings - Triumvirate

Directory Styles

D1	Ragged right; two-column - Triumvirate
D1LAND	Landscape page; ragged right; two-column - Triumvirate

General Styles

GEN1	Ragged right; centered headings - Triumvirate
GEN2	Justified right; left justified headings - Triumvirate/Century

Landscape Style

GEN1LAND	Landscape page; ragged right; centered headings - Triumvirate

Letter Styles

LB1	Block; justified right - Triumvirate
LB2	Block; justified right - Century
LB3*	Block; justified right - Stymie
LMB1	Modified block; justified right - Triumvirate
LMB2	Modified block; ragged right - Century
LMB3*	Modified block; justified right - Stymie
LP1	Personal; ragged right - Triumvirate
LP2	Personal; ragged right - Century
LP3*	Personal; ragged right - Stymie
LP4*	Personal; ragged right - Souvenir

Memo Styles

M1	Justified right - Triumvirate
M2	Ragged right - Century
M3*	Justified right - Stymie
M4*	Ragged right - Souvenir

Newsletter Styles

NL1	Two column; ragged right, left justified headings - Triumvirate/Century
NL2	Two column; justified right, left justified headings - Triumvirate/Century

Report Styles

RB1	Block; justified right; left justified headings - Triumvirate
RB2*	Block; justified right; left justified headings - Stymie
RBTS1	Block; two-sided; justified right; left justified headings - Triumvirate/Century
RC1	Justified right; centered headings - Triumvirate
RC2	Justified right; centered headings - Triumvirate/Century
RC3*	Justified right; centered headings - Stymie/ Triumvirate
RC4*	Justified right; centered headings - Avant Garde/Souvenir
RSP1	Small Page (A5 in Europe or 7 x 9 in America); ragged right - Triumvirate/Century
RTC1	Two-column; justified right - Triumvirate
RTC2	Two-column; justified right - Triumvirate/ Century
RTC3*	Two-column; justified right - Event Garden/ Century
RTC4*	Two-column; justified right - Event Garden/ Souvenir
RTC5*	Two-column; justified right - Stymie

Transparency Styles

T1	Larger character sizes - Triumvirate
T1LAND	Landscape page; Larger character sizes - Triumvirate
T2	Smaller character sizes - Triumvirate
T3*	Larger character sizes - Stymie
T4*	Smaller character sizes - Stymie

* Available only when the Complete Office Font Package is installed, or if printing to a ScriptPrinter, PrintServer 20, PrintServer 40, or PrintServer 40 Plus.

Note: When printing to the ScriptPrinter, PrintServer 20, PrintServer 40, or PrintServer 40 Plus Helvetica, will replace Triumvirate and Lubalin will replace Stymie.

- *Font Packages*

  Font packages are required when printing to an LN03 and/or LN03 PLUS. The LN03 Basic or Complete Office Font Packages are specially-designed font packages for use with DECpage and are available from Digital. Each package is designed to coordinate with the DECpage print styles, therefore, other fonts are not compatible with DECpage.

  A font package is not required when printing to either the ScriptPrinter, PrintServer 20, PrintServer 40, or PrintServer 40 Plus.

- *Keying Conventions*
  - Documents printed with DECpage must be keyed according to the DECpage keying conventions.
  - Users familiar with Digital word processing will easily adapt to the required DECpage keying conventions. DECpage uses returns, rulers, tabs, underlining, and bolding to identify document elements such as headings (up to four levels), paragraphs, lists, notes, and so forth.
  - Users can also utilize the WPS-PLUS markup for paragraph numbering, headings, indexing, and table of authorities. DECpage does not support tailorable markup characters. The markup characters supported are the left and right brackets.
  - Users can specify alphabetic, numeric, or special character superscripts and subscripts anywhere in a document.
- *The Formatting Facility*

  The Formatting Facility performs the following functions:
  - Vertical and horizontal text justification. DECpage determines how much text to place on each line and how to position the total number of lines on the page.
  - Hyphenation - DECpage uses logical hyphenation rules and supports the WPS-PLUS invisible hyphen in making hyphenation decisions. DECpage also uses exception word lists provided by Houghton Mifflin Company for the American, British-English and German languages.
  - Pagination - DECpage tries to prevent separation of a heading from associated text as well as single line breaks at the end and beginning of a page (widows and orphans).

Components

- User Interface - Provides a set of menus, forms and procedures to manage the formatting and printing functions.
- Translator - Translates the word processing formatting information (rulers, tabs, returns) into an internal file used by the formatting facility containing document element identifiers (DEI) for each text element in the document.
- The Formatting Facility - Performs automatic hyphenation, horizontal and vertical text justification, pagination and font loading instructions.
- Print Style Library - Contains the individual print styles used by the formatting facility.
- The Print Facility - Prints the formatted output file to the LN03, LN03 PLUS, ScriptPrinter, PrintServer 20, PrintServer 40, and PrintServer 40 Plus laser printers.
- User Designed Styles Facility - Allows for modifying and/or copying of the 41 provided styles. These copies are then modifiable by the user, creating customized styles.

INSTALLATION

Only experienced customers should attempt installation of this product. Digital recommends that all other customers purchase Digital's Installation Services. These services provide for installation of the software product by an experienced Digital Software Specialist.

Software modules are to be installed in the following sequence:

- Optional Software (refer to the System Support Addendum SSA 26.29.09-x)
- WPS-PLUS/VMS or ALL-IN-1
- Font Package (if required)
- DECpage
- Logos (as needed)

HARDWARE REQUIREMENTS

VAX, MicroVAX or VAXstation configuration as specified in the System Support Addendum (SSA 26.29.09-x).

For supported terminals, refer to the Software Product Description and System Support Addendum for WPS-PLUS/VMS (SPD/SSA 26.27.xx-x) or ALL-IN-1 (SPD/SSA 27.30.xx-x).

SOFTWARE REQUIREMENTS

Operating System

VMS Operating System

Layered Products

WPS-PLUS/VMS
Any other Language Variant

or

ALL-IN-1
Any other Language Variant

VAX ScriptPrinter Software is required to print PostScript and non-PostScript files to a ScripPrinter.

VAX PrintServer Supporting Host Software and VAX PrintServer Client Software are required to print PostScript and non-PostScript files to PrintServers.

Fonts

DECpage LN03 Basic Office Font Package if outputting to an LN03 or LN03 PLUS.

No font package is required when printing to a ScriptPrinter, PrintServer 20, PrintServer 40, or PrintServer 40 Plus in native mode.

Refer to the System Support Addendum (SSA 26.29.09-x) for availability and required versions of prerequisite/optional software.

ORDERING INFORMATION

Software Licenses: QL-AANA*-**
Software Media: QA-AANA*-**
Software Documentation: QA-AANAA-GZ
Software Product Services: QT-AANA*-**

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

SOFTWARE LICENSING

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Terms and Conditions. For more information about Digital's licensing terms and policies, contact your local Digital office.

LICENSE MANAGEMENT FACILITY SUPPORT

This layered product supports the VMS License Management Facility.

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

For more information on the License Management Facility, refer to the VMS Operating System Software Product Description (SPD 25.01.xx) or the License Management Facility manual of the VMS Operating System documentation set.

For more information on Digital's licensing terms and policies, contact your local Digital office.

SOFTWARE PRODUCT SERVICES

A variety of service options are available from Digital. For more information, contact your local Digital office.

SOFTWARE WARRANTY

Warranty for this software product is provided by Digital with the purchase of a license for the product as defined in the Software Warranty Addendum of this SPD.
