Xerox Multifunction Devices

Customer Tips

dc04cc0332 June 9, 2004 ... for the user

PDL Reference Guide for the WorkCentre Pro 65/75/90

Accessing Extended Features

Extended Features:

- Accounting
- Proof Print
- Staple
- Collation
- Duplex
- Cover OptionsMedia Source,
- Type, and Color
 Media Size
- Miedia Si
- Quantity
 Delay Prin
- Delay Print

This document applies to these Xerox products:

-	
	WC Pro 32/40 Color
x	WC Pro 65/75/90
	WC Pro 35/45/55
	WC M35/M45/M55
	DC 555/545/535
	DC 490/480/470/460
	DC 440/432/425/420
	DC 332/340
	DC 265/255/240
	DC 220/230
	DCCS 50
	DC 490/480/470/460 DC 440/432/425/420 DC 332/340 DC 265/255/240 DC 220/230

Overview

This document contains information to help you access the extended features of a WorkCentre Pro 65/75/90 in environments that do not have a custom driver. These include the following environments:

- Custom DOS packages
- Other platforms (including mainframes and minis)

Some of the commands and syntax used in this document requires familiarity with either PostScript (PS) or Printer Command Language (PCL). This document provides the Printer Description Language (PDL) commands and syntax for each feature. The following items are also included:

- A table that describes features supported by the WorkCentre Pro 65/75/90.
- A PostScript table that describes the PostScript features and syntax the WorkCentre Pro 65/75/90 supports.
- A PCL table, that describes the PCL features and syntax the WorkCentre Pro 65/75/90 supports.

This document is not intended to be a complete PS or PCL reference manual; use it as a guide for using the PS and PCL commands for the WorkCentre Pro 65/75/90.

Refer to these additional reference materials *PostScript Language Reference Manual*, 2nd Edition, ISBN 0-201-18127-4 and *PCL 5 Printer Language Technical Reference Manual*, Hewlett-Packard Manual Part Number 5021-0377.

Using this Guide

- 1. Search the Feature Table to determine whether the feature you wish to use is supported.
- 2. Verify that the feature is supported by the platform. For example, the WorkCentre Pro 65/75/90 must have the Finisher option installed to use stapling commands.
- 3. Follow across the table to find the syntax listed for the PDL examples shown. Read the Dependencies/Caveats section.

Print Features

The WorkCentre Pro 65/75/90 supports PostScript level 2 and 3 commands or PCL5e and PCL6 escape sequences that enable the features listed in the following table.

Feature	Description
Job Name	Allows you to specify a job name.
Job Owner	Allows you to specify a job owner.
Media Size	Allows you to select media size.
Media Source	Allows you to select the paper tray that feeds a print job.
Media Type	Allows you to select the type of media used to print a job.
Media Color	Allows you to select the color of media color used to print a job.
Output Location	Allows you to select the output location where a job is delivered.
Stapling	Indicates stapling for a print job.
Collation	Allows you to select the order of the output pages. Collated creates a set that includes 1 copy of each page. Uncollated creates a stack of multiple copies of the same page.
Resolution	Allows you to select the resolution used to image a job. Currently, 600 x 600 x 1 (600 dpi resolution with 2 gray levels), 600 x 600 x 2 (600 dpi resolution with 4 gray levels) are available. For PostScript, 1200 x 1200, and 1800 x 1800 are also available.
Quantity	Allows you to select the number of sets to print.
Simplex	Delivers one-sided output.
Duplex Long Edge Binding	Delivers two-sided output. Landscape documents read like a calendar, and Portrait documents read like a book.
Duplex Short Edge Binding	Delivers two-sided output. Landscape documents read like a book and Portrait documents read like a calendar.
Orientation	Allows you to select portrait or landscape orientation.
Front Cover Imaged/Unimaged	Allows you to select the type of front cover (blank or imaged).
Front Cover Media Type	Allows you to select the type of media for the front cover.
Front Cover Media Color	Allows you to select media color for the front cover.
Front and Back Cover Imaged/Unimaged	Allows you to select the type of front cover and the back cover (blank or imaged).
Front and Back Cover Media Type	Allows you to select the media type for both the front cover and the back cover.
Front and Back Cover Media Color	Allows you to select the media color for both the front cover and the back cover.
Accounting	Allows you to enter an accounting code and User ID to track printer usage.
Draft Mode Printing	Allows you to select a draft printing mode that conserves toner when printing.
Image Quality Selection	Allows you to increase or decrease the amount of toner used to create an image. Image quality levels range from 1 (darkest) to 7 (lightest).
Job Type	Allows you to select normal print, secure print, or proof print. Proof print is the same as sample set.
Printer Banner Sheet	Allows you to turn banner pages on or off based on individual jobs.
Interleave	Allows you to insert blank or imaged sheets between transparencies.

Feature	Description
Interleave Media Color	Allows you to select media color for the interleaves. Only use this feature in conjunction with ithe nterleave feature.
Delay Print	Allows you to specify a time, up to 72 hours from the current printer time, to print a job.

PostScript

This section describes the PostScript commands required to access WorkCentre Pro 65/75/90 features. This table lists each feature and the PostScript syntax used to enable the feature. Following this table are some examples of how to use these commands and PostScript file samples.

For more information about PostScript commands, refer to the *PostScript Language Reference Manual*, 2nd Edition, ISBN 0-201-18127-4.

Feature	Implementation	Values
Job Owner	%%OID_ATT_JOB_OWNER "string"	Where <i>string</i> is a maximum of 40 characters
Job Name	%%OID_ATT_JOB_NAME "string"	Where string is a maximum of 40 characters
Media Size	<> setpagedevice	[width x height] in 1/72 inch (points) $[612 792]$ = Letter (8.5 x 11 inches) $[612 1008]$ = Legal (8.5 x 14 inches) $[792 1224]$ = Ledger (11 x 17 inches) $[612 936]$ = Folio (8.5 x 13 inches) $[522 756]$ = Executive (7.25 x 10.5 inches) $[396 612]$ = 5.5 x 8.5 inches $[360 504]$ = 5 x 7 inches $[576 720]$ = 8 x 10 inches $[648 792]$ = Letter Cover (9 x 11 inches) $[864 1296]$ = 12 x 18 inches $[842 1191]$ = A3 (297 x 420 mm) $[595 842]$ = A4 (210 x 297 mm) $[632 842]$ = A4 Cover (223 x 297 mm) $[420 595]$ = A5 (148 x 210 mm) $[729 1032]$ = JIS B4 (257 x 364 mm) $[516 729]$ = JIS B6 (128 x 182 mm) $[624 936]$ = 220 x 330 mm $[757 1100]$ = 815 Taiwan (267 x 388 mm) $[420 567]$ = Oufuku (148 x 200 mm)NOTE: Use this command in conjunction with the Media Type and Media Color commands (see below in table).
Media Type	<string)>> setpagedevice	Where <i>value</i> is one of the following: system-default, standard, transparency, labels, drilled, recycled, pre-printed, CardStock, Bond. NOTE: Use this command in conjunction with the commands Media Size and Media Color.

Print Features

Feature	Implementation	Values
Media Color	<string)>> setpagedevice	Where value is one of the following:
		Yellow, Green, Buff, White, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Blue, Other, Unspecified, Custom1 – Custom7.
		NOTE: Use this command in conjunction with the commands Media Size and Media Type.
Media Source	<int>> setpagedevice	Where <i>int</i> is one of the following: 1 = Tray 1 2 = Tray 2 3 = Tray 3 4 = Tray 4 5 = Bypass Tray (SMH) 6 = High Capacity Feeder NOTE: See the media selection comments
		in the Dependencies / Caveats section.
Output Location	<< /OutputType (<i>value</i>) >> setpagedevice OR	Where <i>value</i> is one of the following: TopTray MainTray
	%%OID_ATT_OUTPUT_BINS value	Where <i>value</i> is one of the following: OID_VAL_OUTPUT_BIN_TOP or OID_VAL_OUTPUT_BIN_MAIN
Stapling	<>setpagedevice <(string)>> >>setpagedevice	Where <i>int</i> is one of the following: 0 = No Staple 3 = Staple when set is complete
		Where <i>string</i> is one of the following three values: SinglePortrait (The WorkCentre Pro 65/75/90 uses the staple head at the front of the WorkCentre Pro 65/75/90 - Staple Head 1).
		SingleLandscape (The WorkCentre Pro 65/75/90 uses the staple head at the back of the WorkCentre Pro 65/75/90 - Staple Head 2).
		DualLandscape
Collation	<> setpagedevice	Where <i>value</i> is one of the following: true = Collated false = Uncollated
Resolution		Where x and y are one of the following: 1200 1200
600 x 600 x 1 1200 x 1200 x 1	<<> /HWResolution [x y]>> setpagedevice	1800 1800 600 600
1200 x 1200 x 1 1800 x 1800 x 1		
600 x 600 x 2	<<< /Type 4 /ValuesPerColorComponent 4 >> /HWResolution [x y]>> setpagedevice	
Quantity	<int>>setpagedevice OR	Where <i>int</i> or value is 1 to 9999
Simploy	%% OID_ATT_COPY_COUNT value	Whore value is false
Simplex Duplex Long Edge Binding	<> setpagedevice <> setpagedevice	Where <i>value</i> is false Where <i>value</i> is false
Duplex Short Edge Binding	<pre></pre> <pre></pre> <pre></pre> <pre>setpagedevice</pre>	Where <i>value</i> is true

Feature	Implementation	Values
Orientation	<height width]>> setpagedevice	[height/width] in 1/72 inch (points) To print landscape, use the Media Size command with height and width reversed. For example: [792 612] = Letter, landscape [842 595] = A4, landscape
Front Cover Imaged Enable/Disable	%%OID_ATT_FIRST_PAGE_ IMAGED " <i>value</i> "	Where <i>value</i> is TRUE or FALSE
		TRUE produces an imaged cover. FALSE produces a blank cover.
		NOTE : Use this command in conjunction with these commands: Front Cover Media Type and Front Cover Media Color.
Front Cover Media Type	%%OID_ATT_FIRST_PAGE_ MEDIA_TYPE " <i>value</i> ";	Where <i>value</i> is one of the following: system-default, standard, transparency, labels, drilled, recycled, pre-printed, CardStock, Bond.
		NOTE : Use this command in conjunction with these commands: Front Cover Imaged Enable and Front Cover Media Color.
Front Cover Media Color	%%OID_ATT_FIRST_PAGE_ MEDIA_COLOR " <i>value</i> ";	Where <i>value</i> is one of the following: Yellow, Green, Buff, White, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Blue, Other, Unspecified, Custom1 – Custom7.
		NOTE : Use this command in conjunction with these commands: Front Cover Imaged Enable and Front Cover Media Type.
Front Cover Media Size	%%OID_ATT_FIRST_PAGE_MEDIA_ SIZE " <i>xxx yyy</i> "	Where <i>xxx</i> and <i>yyy</i> are the media size expressed in mm.
		NOTE: Only use this optional command when printing blank front covers. Use in conjunction with Front Cover Image Enable/Disable and the commands it requires, that is, Front Cover Media Type and Front Cover Media Color.
Front & Back Cover Imaged Enable/ Disable	%%OID_ATT_FIRSTLAST_PAGE_IMAGE D " <i>value</i> "	Where <i>value</i> is TRUE = an imaged front and back cover. or FALSE = a blank front and back cover.
		NOTE: Use this command in conjunction with these two commands: Front & Back Cover Media Type and Front & Back Cover Media Color.
	%%OID_ATT_FIRSTLAST_PAGE_ MEDIA_TYPE " <i>value</i> ";	Where <i>value</i> is one of the following: system-default, standard, transparency, labels, drilled, recycled, pre-printed, CardStock, Bond.
		NOTE: Use this command in conjunction with these commands: Front & Back Cover Imaged Enable and Front & Back Cover Media Color).

Feature	Implementation	Values
Front & Back Cover	%%OID ATT FIRSTLAST PAGE	Where value is one of the following:
Media Color	MEDIA COLOR "value";	Yellow, Green, Buff, White, Red, Ivory, Gray,
	,	Clear, Pink, Goldenrod, Orange, Blue, Other,
		Unspecified, Custom1 – Custom7.
		NOTE: Use this command in conjunction
		with these two commands: Front & Back
		Cover Imaged Enable and Front & Back
		Cover Media Type.
Front & Back Cover		Where xxx and yyy are the media size
Media Size	%%OID_ATT_FIRSTLAST_PAGE_ME DIA_SIZE "xxx yyy"	expressed in mm.
		NOTE: Only use this optional command
		when printing blank front and back covers.
		Use this command in conjunction with
		Front & Back Cover Image Enable/Disable
		and the commands it requires, that is,
		Front & Back Cover Media Type, Front &
		Back Cover Media Color.
Draft Mode Printing	%%OID ATT PRINT	Where <i>value</i> is one of the following:
Drait would i finiting	QUALITY value;	OID_VAL_PRINT_QUALITY_NORMAL
	QUALITI Value,	OID_VAL_PRINT_QUALITY_DRAFT
Image Quality	< <td>Where <i>value</i> is one of the following:</td>	Where <i>value</i> is one of the following:
Selection	< <td></td>	
OCICCION	/DensityControl <i>n</i> >> >> setpagedevice	True = Xerox High Accuracy output
		Where <i>n</i> applies for Xerox High Accuracy
		Output and is a number in the range:
		-3 (lightest) to +3 (darkest)
Job Type	%%OID ATT JOB TYPE value;	Where value is one of the following:
51	/	OID VAL JOB TYPE PRINT
		OID_VAL_JOB_TYPE_PROOF_PRINT
Printer Banner Sheet	%%OID_ATT_START_SHEET value;	Where value is one of the following:
		OID_VAL_JOB_SHEET_FULL (On)
		OID_VAL_JOB_SHEET_NONE (Off)
Interleave	%%OID ATT INTERLEAVE value;	Where value is one of the following:
		OID VAL INTERLEAVE NONE
		OID_VAL_INTERLEAVE_BLANK
		OID_VAL_INTERLEAVE_IMAGED
		NOTE: Use this command is conjugation
		NOTE: Use this command in conjunction with the command: Interleave Media Color.
Interleave Media	%%OID_ATT_INTERLEAVE_COLOR	Where <i>value</i> is one of the following:
Color	"value";	Yellow, Green, Buff, White, Red, Ivory, Gray,
	value ,	Clear, Pink, Goldenrod, Orange, Blue, Other,
		Unspecified, Custom1 – Custom7.
		Unspecified, Custonn – Custonn.
		NOTE: Use this command in conjunction
		with the command: Interleave.
Accounting	%%OID_ATT_ACCOUNTING_INFORMATI	Where UserID is a value that the Printer
	ON "UserID 042AccountID";	Administrator assigns to a user.
	· · · · · · · · · · · · · · · · · · ·	Where <i>AccountID</i> is a value that the Printer
		Administrator assigns to the account.
		NOTE: The User ID and the Account ID
		must be delimited by a 042.

Feature	Implementation	Values
Delay Print	%%OID_ATT_JOB_PRINT_AFTER "yyyymmddhhmmss"	Allows you to specify the time a job prints. You can set this time up to 72 hours from the current printer time. Where <i>yyyy</i> is the year, <i>mm</i> is the month, <i>dd</i> is the date, <i>hh</i> is the hour, <i>mm</i> is the minute of the hour, and <i>ss</i> is the second of that minute.
		NOTE: The hours are expressed in a 24-hour clock. For example: July 29, 1999 at 3:25 PM is expressed as: 19990729152500.

Euro Font

The Euro character is provided in all standard Latin fonts (letter fonts such as Helvetica and Times) included in the Adobe PostScript 3 interpreter. Special fonts such as ZapfDingbats do not contain the Euro symbol. The Symbol font does include it. Although the Euro character's "glyph" is added to the PostScript fonts, standard font encoding (that is, the character set) does not include the character.

To access the Euro character's glyph directly, use the glyphshow command as shown in the following example:

%!PS-Adobe-3.0 /Times-Roman findfont 12 scalefont setfont 120 735 moveto (The price of this unit is:) show /Euro glyphshow (200.00) show showpage

Structure of a PostScript File that Includes Xerox Commands

This section illustrates the structure of a PostScript file that includes Xerox commands. The sections shown are taken from a typical PostScript file used to access 2-sided printing, single portrait stapling, and output to main tray (stacker) features of the WorkCentre Pro 65/75/90.

Note: To generate a complete PostScript print ready file that you can review and/or use to access WorkCentre Pro 65/75/90 features, see "Using WordPad to Create a PS/PCL Printing Feature File," later in this document.

Section 1 (Adobe reference command)

%!PS

Section 2 (XRXbegin - opening comment statement, required)

%% XRXbegin

Section 3 (OID commands)

```
%%OID_ATT_JOB_OWNER "ROlivier";
%%OID_ATT_JOB_NAME "Document";
%%OID_ATT_JOB_TYPE_OID_VAL_JOB_TYPE_PRINT;
%%OID_ATT_START_SHEET_OID_VAL_JOB_SHEET_FULL;
```

Section 4 (XRXend - Closing statement for comment section, required) %% XRXend

Section 5 (Options coded with additional postscript commands)

```
(<<) cvx exec /Duplex true /Tumble false (>>) cvx exec
setpagedevice
%%EndFeature
```

Section 6 (EOF - Closing statement for postscript file, required) %%EOF

PostScript Feature Dependencies/Caveats

- All %% commands (DSC comments) must be in the first 4096 bytes of the job.
- When you use duplicate commands, the last command takes precedence. Since the setpagedevice commands are normally after the %% commands (DSC comments), the setpagedevice normally takes precedence.
- The WorkCentre Pro 65/75/90 supports PostScript resolutions up to and including 1800 x 1800. Some PostScript jobs may not print if you use this resolution. If this occurs, print the same job at a lower resolution.
- Do not duplex any job with media smaller than A6 (5.8 x 8.3 in. or 105 x 148 mm).
- Do not duplex any transparency or label jobs.
- To use the duplex front and back imaged covers option most effectively, remember these items when you prepare the contents of the print file:
 - The WorkCentre Pro 65/75/90 uses the contents of the first two and last two pages of the file as the front cover, inside front cover, back cover, and inside back cover.
 - The remaining pages print on the document body media type and color.
 - If a print file contains an odd number of pages, the WorkCentre Pro 65/75/90 leaves the last body page (that is, the page adjacent to the inside back cover) blank.
- When using the Blank Front or the Blank Front and Back Cover command, the Cover Media Size command is optional. If the Cover Media Size command is not in the PDL, the printer uses the media size of the document body.
- Use one of the following methods to specify media selection:
 - Describe the media size, color, and type attributes and allow the device to select the correct source tray. If you describe the media, leave source tray information out of the request or set to Auto. Otherwise, the tray selection defeats the auto tray selection capabilities of the device.
 - Indicate the media feed tray the device should use. In doing so, you allow the device to select media feed trays based on the paper type defined by SYSTEM DEFAULT, unless specified otherwise. This method prevents inadvertent use of special paper types. To override a paper type definition, include a paper type specification of UNSPECIFIED in the job.

PCL

This section describes the PCL commands required for specific features. This table lists each feature and the PCL syntax required to use the feature. Following this table are examples of how to use these commands and what the PCL file looks like.

Refer to this reference material: *PCL 5 Printer Language Technical Reference Manual*, Hewlett-Packard Manual Part Number 5021-0377.

NOTE: Throughout this document, <esc> refers to the escape key. When you see <esc>, substitute the escape character appropriate for your environment.

Feature	Implementation	Values
Job Name	<pre>@PJL COMMENT OID_ATT_JOB_NAME "string";</pre>	Where <i>string</i> is a maximum of 40 characters
Job Owner	@PJL COMMENT OID_ATT_JOB_OWNER " <i>string</i> ";	Where <i>string</i> is a maximum of 40 characters
Custom Paper Size	@PJL COMMENT OID_ATT_PCL_CUSTOM_DIMENSIONS (x.0 y.0)	Where <i>x</i> and <i>y</i> are millimeters expressed as integer.
	<esc>101A</esc>	Note: You must use both the PJL comment and the escape code. The value 101 in the escape code indicates this is a custom size job. The PJL comment communicates the media size to use.
Media Size	<pre><esc> & l int A </esc></pre>	Where int is one of the following:2=Letter (8.5×11 inches)3=Legal (8.5×14 inches)6=Ledger (11×17 inches)44= 8.5×13 inches (215×330 mm)1= 7.25×10.5 inches41=Statement (8.5×5.5 inches)204= 5×7 inches208= 8×10 inches201= 9×11 inches203= $A4$ ($210 \times 297 \mod 10$)26= $A4$ ($210 \times 297 \mod 10$)206=Oversized A4 ($223 \times 297 \mod 10$)207= $A5$ ($148 \times 210 \mod 10$)208= $B4$ ($257 \times 364 \mod 10$)205= $B6$ ($128 \times 182 \mod 10$)205= $B6$ ($128 \times 182 \mod 10$)205= $B6$ ($128 \times 182 \mod 10$)207= $267 \times 388 \mod 12$ 210= $267 \times 388 \mod 12$ 211=Postcard (4.5×6 inches)NOTE: Use this command in conjunction with the following commands: Media Type and Media Color. All paper sizes are not supported by all products. Please check the product's
Media Type	@PJL COMMENT OID_ATT_DEFAULT_MEDIUM_TYPE " <i>value</i> ";	documentation for paper sizes it supports. Where <i>value</i> is one of the following: system-default, standard, transparency, labels, drilled, recycled, pre-printed, CardStock, Bond.
		NOTE: Use this command in conjunction with the Media Size and Media Color commands.

PCL Print Features

Feature	Implementation	Values
Media Color	@PJL COMMENT	Where <i>value</i> is one of the following:
	OID_ATT_DEFAULT_MEDIUM_COLOUR <i>"value</i> ";	Yellow, Green, Buff, White, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Blue, Other,
	value,	Unspecified, Custom1 – Custom7.
		NOTE : Use this command in conjunction with the Media Size and Media Type commands.
Media Source	<esc> & <i>L</i> int H</esc>	Where int is one of the following:
		0 = Auto Select
		1 = Tray 1 2 = Bypass Tray
		4 = Tray 2
		5 = High Capacity Feeder
		23 = Tray 3
		24 = Tray 4
		NOTE: See the media selection comments in the "Dependencies / Caveats" section.
Output Location	@PJL COMMENT	Where value can be one of the following:
	OID_ATT_OUTPUT_BINS value;	OID_VAL_OUTPUT_BIN_TOP
Otenling		OID_VAL_OUTPUT_BIN_MAIN Where <i>value</i> is one of the following:
Stapling	@PJL COMMENT OID_ATT_FINISHING OID VAL FINISHING STAPLE;	PORTRAIT, LANDSCAPE, DUAL
	@PJL COMMENT XRXSTAPLE = value;	
Collation	@PJL COMMENT OID_ATT_OUTPUT	Where value is one of the following:
	value;	OID_VAL_OUTPUT_PAGE_COLLATE
		OID_VAL_OUTPUT_NO_PAGE_COLLATE
Resolution	<pre>@PJL SET RESOLUTION = value;</pre>	Where <i>value</i> is the following: 600
Quantity	<esc> & L int X</esc>	Where <i>int</i> is:
	or @PJL SET COPIES = int;	1 to 9999 (1 to 999 for DC2xx devices)
Simplex	<pre><esc> & L int S</esc></pre>	Where <i>int</i> is the following:
		0 = Simplex
Duplex	<esc> & Ł int S</esc>	Where <i>int</i> is one of the following:
		1 = Duplex Long Edge Binding 2 = Duplex Short Edge Binding
Orientation	<esc> & L int O</esc>	Where <i>int</i> is one of the following:
Onentation		0 = Portrait
		1 = Landscape
Force short edge feeding	<pre>@PJL COMMENT OID_ATT_FEED_EDGE value;</pre>	Where value is one of the following:
		For portrait documents use:
		OID_VAL_FEED_EDGE_SHORT_TRAILING For landscape documents use:
		OID_VAL_FEED_EDGE_SHORT_LEADING
		NOTE: The following media sizes default to
		printing with the long-edge fed first: letter, letter
		cover, statement, executive, 8 x 10", a4, a4 cover
		and B5. It is possible to force these media sizes to
Front Cover Imaged	@PJL COMMENT	print with short-edge first. Where <i>value</i> is one of the following:
Enable/Disable	OID_ATT_FIRST_PAGE_ IMAGED value;	TRUE = an imaged cover
		or
		FALSE = a blank cover
		NOTE: Use this command in conjunction with
		the following two commands: Front Cover Media
		Type and Front Cover Media Color.

Feature	Implementation	Values
Front Cover Media Type	@PJL COMMENT	Where value is one of the following:
	OID_ATT_FIRST_PAGE_MEDIA_TYPE " <i>value</i> ";	system-default, standard, transparency, labels, drilled, recycled, pre-printed, CardStock, Bond.
		NOTE: Use this command in conjunction with these commands: Front Cover Imaged Enable and Front Cover Media Color.
Front Cover Media Color	@PJL COMMENT OID_ATT_FIRST_PAGE_MEDIA_ COLOR " <i>value</i> ";	Where <i>value</i> is one of the following: Yellow, Green, Buff, White, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Blue, Other, Unspecified, Custom1 – Custom7.
		NOTE: Use this command in conjunction with these commands: Front Cover Imaged Enable and Front Cover Media Type.
Front Cover Media Size	@PJL COMMENT OID_ATT_FIRST_PAGE_MEDIA_SIZE "xxx yyy";	Where xxx and yyy are the media size expressed in mm.
		NOTE: Only use this optional command when printing blank front covers. Use this command with Front Cover Imaged Enable/Disable and the commands it requires, that is, Front Cover Media Type, Front Cover Media Color, and Front Cover Imaged Enable/Disable.
Front and Back Cover Imaged/Unimaged	<pre>@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_IMAGED value;</pre>	Where <i>value</i> is one of the following: TRUE = an imaged front and back or
		FALSE = a blank front and back cover
		NOTE: Use this command in conjunction with the following two commands: Front & Back Cover Media Type and Front & Back Cover Media Color.
Front & Back Cover Media Type	@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_TY PE " <i>value</i> ";	Where <i>value</i> is one of the following: system-default, standard, transparency, labels, drilled, recycled, pre-printed, CardStock, Bond.
		NOTE: Use this command in conjunction with these commands: Front and Back Cover Imaged Enable and Front and Back Cover Media Color.
Front & Back Cover Media Color	@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_ COLOR " <i>value</i> ";	Where <i>value</i> is one of the following: Yellow, Green, Buff, White, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Blue, Other, Unspecified, Custom1 – Custom7.
		NOTE: Use this command in conjunction with these commands: Front & Back Cover Imaged Enable and Front & Back Cover Media Type.
Front & Back Cove Media Size	r@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_SIZ E "xxx yyy";	Where xxx and yyy are the media size expressed in mm.
		NOTE: Only use this option when printing blank front and back covers. Use this command in
		conjunction with the Front/Back Cover Image Enable/Disable command and the commands it requires, that is, Front/Back Cover Media Type,
		Front/Back Cover Media Color, and Front/Back Cover Imaged Enable/Disable.
Image Quality Selection	<pre>@PJL SET DENSITY= value;</pre>	Where <i>value</i> is a number in the range 1 (lightest) to 7 (darkest).
Draft Mode Printing	@PJL COMMENT OID_ATT_PRINT_QUALITY <i>value;</i>	Where <i>value</i> is one of the following: OID_VAL_PRINT_QUALITY_NORMAL OID_VAL_PRINT_QUALITY_DRAFT
Јоb Туре	<pre>@PJL COMMENT OID_ATT_JOB_TYPE value;</pre>	Where <i>value</i> is one of the following: OID_VAL_JOB_TYPE_PRINT
		OID_VAL_JOB_TYPE_ PROOF_PRINT

Feature	Implementation	Values
Banner Sheet	@PJL COMMENT OID_ATT_START_SHEET <i>value;</i>	Where <i>value</i> is one of the following: OID_VAL_JOB_SHEET_FULL (On) OID_VAL_JOB_SHEET_NONE (Off)
Interleave	@PJL COMMENT OID_ATT_INTERLEAVE <i>value;</i>	Where value is one of the following: OID_VAL_INTERLEAVE_NONE OID_VAL_INTERLEAVE_BLANK OID_VAL_INTERLEAVE_IMAGED
Interleave Media Color	<pre>@PJL COMMENT OID_ATT_INTERLEAVE_COLOR "value";</pre>	Where <i>value</i> is one of the following: Yellow, Green, Buff, White, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Blue, Other, Unspecified, Custom1 – Custom7.
Accounting	@PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION " <i>UserID</i> 042 <i>AccountID</i> ";	Where <i>UserID</i> is a value the Printer Administrator has assigned to a user. Where <i>AccountID</i> is a value the Printer Administrator has assigned to the account. NOTE: You must delimit the User ID and the Account ID with a 042.
Delay Print	@PJL COMMENT OID_ATT_JOB_PRINT_AFTER " <i>yyyymmddhhmmss</i> ";	 Where <i>yyyy</i> is the year, <i>mm</i> is the month, <i>dd</i> is the date, <i>hh</i> is the hour, <i>mm</i> is the minute of the hour, and <i>ss</i> is the second of that minute. NOTE: The hours are expressed in a 24 hour clock. For example: July 29, 1999 at 3:25 PM is expressed as: 19990729152500.
Condensed Printing	<esc>&k2S</esc>	See the Customer Tip <i>Formatting Condensed</i> <i>Print for a Xerox Multifunction Device</i> , for examples and additional information.
Stair-stepping	<esc>k2G</esc>	Helps to resolve stair-stepping in most instances.

Euro Font

The Euro character is provided in the standard Latin of the following PCL symbol sets:

PCL Symbol Set	Symbol Set Code	Code Page	Euro Sign Character Code
Windows 3.1 Latin 1	19U	1252	128
Windows 3.1 Latin 2	9E	1250	128
Windows 3.1 Latin 5	5T	1254	128

You can select these symbol sets as default from the WorkCentre Pro 65/75/90 Web client and the local user interface. The Euro character is not supported using other symbol sets including "Win 3.0 Latin 1" (9U) or "ISO-Latin-9" (9N) symbol sets.

The following example illustrates how to print the Euro character using PCL. It selects the "Antique Olive" font, 12 point size and the "Windows 3.1 Latin 1" symbol set.

<esc>%12345X <esc>(19U<esc>(s1p12v0s0b4168T The price of this unit is: €100.00 <esc>%12345X

Structure of a PCL File that Includes Xerox Commands

This section illustrates the structure of a PCL file that includes Xerox commands. The sections shown are taken from a typical PCL file used to access 2-sided printing, single portrait stapling, and output to main tray (stacker) features of the WorkCentre Pro 65/75/90.

Note: To generate a complete PCL file that you can review and/or use to access WorkCentre Pro 65/75/90 features, see "Using WordPad to Create a PS/PCL Printing Feature File," later in this document.

Section 1 (Opening command, required for all files)

<ESC>%-12345X@PJL JOB

Section 2 (Options coded with additional PCL PJL commands)

@PJL SET COPIES=1
@PJL SET DENSITY=4
@PJL SET JOBOFFSET=ON

@Section 3 (XRXbegin – Opening comment statement, required)

```
@PJL COMMENT XRXbegin
```

Section 4 (Xerox Specific PJL commands)

@PJL COMMENT OID_ATT_OUTPUT OID_VAL_OUTPUT_PAGE_COLLATE; @PJL COMMENT OID_ATT_JOB_OWNER "ROlivier"; @PJL COMMENT OID_ATT_JOB_NAME "Document"; @PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_FULL; @PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PRINT; @PJL COMMENT OID_ATT_DEFAULT_MEDIUM_TYPE "System-Default"; @PJL COMMENT OID_ATT_DEFAULT_MEDIUM_COLOUR "White"; @PJL COMMENT OID_ATT_OUTPUT_BINS_OID_VAL_OUTPUT_BIN_STACKER @PJL COMMENT_OID_ATT_PRINT_QUALITY_OID_VAL_PRINT_QUALITY_NORMAL; @PJL_COMMENT_OID_ATT_PUNCH_0;

Section 5 (XRXend - Closing statement for comment section, required) @PJL COMMENT XRXend

Section 6 (PCL code used to invoke PCL Language) @PJL ENTER LANGUAGE=PCL

Section 7 (Duplex option coded with PCL escape command) _&I1S

Section 8 (Closing command, required at end of document) <ESC>%-12345X

PCL Feature Dependencies/Caveats

- All PJL commands must be in the first 4096 bytes of the job.
- To combine printer escape commands (not including PJL commands):
 - The first two characters after the <esc> MUST be the same.
 - All alpha characters MUST be lowercase, except the final terminating character.
 - The commands are read left to right. Combine commands in the order you wish them to execute.

For example, combine print 5 copies (<ESC>&*l*5X) and use letter size (<ESC>&*l*2A) as <ESC>&*l*5x2A.

- In case of duplicate commands, the last one requested takes precedence.
- The @PJL SET COPIES takes precedence over the PCL Escape Command (<ESC> & *l* int X>) to set copies. In general, a PJL command takes precedence over a PCL command.
- Do not duplex any job with media smaller than A6 (5.8 x 8.3 in. or 105 x 148 mm).
- Do not duplex any job with transparencies or labels.
- To use the duplex front and back imaged covers option most effectively, remember these items when you prepare the contents of the print file:
 - The WorkCentre Pro 65/75/90 uses the contents of the first two and last two pages of the file as the front cover, inside front cover, back cover, and inside back cover.
 - The remaining pages print on the document body media type and color.
 - If a print file contains an odd number of pages, the WorkCentre Pro 65/75/90 leaves the last body page (that is, the page adjacent to the inside back cover) blank.
- When using the Blank Front or the Blank Front & Back Cover command, the Cover Media Size command is optional. If the cover size command is not in the PDL, the printer assigns the document body size as the cover media size.
- Use one of the methods described in the following list to specify media selection:
 - Describe the media size, color, and type attributes and allow the device to select the correct source tray. If you describe the media, leave source tray information out of the request or set to Auto. Otherwise, the tray selection defeats the auto tray selection capabilities of the device.
 - Indicate the media feed tray the device should use. In doing so, you allow the device to select media feed trays based on paper type defined by SYSTEM DEFAULT unless specified otherwise. This method prevents inadvertent use of special paper types. To override a paper type definition, include a paper type specification of UNSPECIFIED in the job.

Using WordPad to Create a PS/PCL Printing Feature File

This section describes a simple process to create a file that contains print features you select. You may want to view the content of this file before you create a template manually. In many cases the file you create is usable to access and generate print jobs with Xerox print features.

- 1. Open WordPad and enter the text, Test.
- 2. Select File > Print and select a driver for the PDL (PostScript or PCL) you wish to use.
- 3. Click **Preferences**. Select the features to use in your print job. Refer to your documentation to locate the features in the driver. Click **OK** to save the settings and return to the Print dialog box.
- 4. Check the **Print to File** box and click **OK**. A window appears so that you can name the file. Enter **c:/test**.
- Select File > Open and browse to the location of the test file you just saved. When you click on test to open it, a window questioning whether to save the current file appears. Click No.
- 6. The test file opens. Scroll through the file and take note of the structural components identified earlier in this document. If you wish, copy/paste the components as needed, or send the entire file to your printer to test the print features it invokes.

PostScript Fonts

The following PostScript fonts are resident with the Oak interpreter. AlbertusMT GillSans-Italic GillSans-Light AlbertusMT-Italic AlbertusMT-Light AntiqueOlive-Bold Goudv AntiqueOlive-Compact Goudy-Bold AntiqueOlive-Italic Goudy-BoldItalic AntiqueOlive-Roman Goudy-ExtraBold Apple-Chancery Goudy-Italic Arial-BoldItalicMT Helvetica Arial-BoldMT Helvetica-Bold Arial-ItalicMT AriaIMT AvantGarde-Book AvantGarde-BookOblique AvantGarde-Demi AvantGarde-Demi Oblique Helvetica-Narrow Bodoni Bodoni-Bold Bodoni-BoldItalic Bodoni-Italic Helvetica-Oblique **Bodoni-Poster** HoeflerText-Black Bodoni-PosterCompressed Bookman-Demi HoeflerText-Italic Bookman-Demiltalic Bookman-Light Bookman-LightItalic JoannaMT Carta JoannaMT-Bold Chicago Clarendon JoannaMT-Italic Clarendon-Bold LetterGothic Clarendon-Light LetterGothic-Bold CooperBlack CooperBlack-Italic Copperplate-ThirtyThreeBC Copperplate-ThirtyTwoBC Coronet-Regular Courier Courier-Bold Marigold Courier-BoldOblique Monaco Courier-Oblique MonaLisa-Recut Eurostile New York Eurostile-Bold Eurostile-BoldExtendedTwo Eurostile-ExtendedTwo Geneva

GillSans GillSans-Bold GillSans-BoldCondensed GillSans-BoldItalic GillSans-Condensed GillSans-ExtraBold

GillSans-LightItalic Helvetica-BoldOblique Helvetica-Condensed Helvetica-Condensed-Bold Helvetica-Condensed-BoldObl Helvetica-Condensed-Oblique Helvetica-Narrow-Bold Helvetica-Narrow-BoldOblique Helvetica-Narrow-Oblique HoeflerText-BlackItalic HoeflerText-Ornaments HoeflerText-Regular JoannaMT-BoldItalic LetterGothic-BoldSlanted LetterGothic-Slanted LubalinGraph-Book LubalinGraph-BookOblique

LubalinGraph-Demi LubalinGraph-DemiOblique NewCenturySchlbk-Bold NewCenturySchlbk-BoldItalic NewCenturySchlbk-Italic NewCenturySchlbk-Roman Optima Optima-Bold Optima-BoldItalic **Optima-Italic** Oxford Palatino-Bold

Palatino-BoldItalic Palatino-Italic Palatino-Roman StempelGaramond-Bold StempelGaramond-BoldItalic StempelGaramond-Italic StempelGaramond-Roman Symbol Tekton Times-Bold Times-BoldItalic Times-Italic TimesNewRomanPS-BoldItalicMT TimesNewRomanPS-BoldMT TimesNewRomanPS-ItalicMT **TimesNewRomanPSMT** Times-Roman Univers Univers-Bold Univers-BoldExt Univers-BoldExtObl Univers-BoldOblique Univers-Condensed Univers-CondensedBold Univers-CondensedBoldOblique Univers-CondensedOblique Univers-Extended Univers-ExtendedObl Univers-Light Univers-LightOblique Univers-Oblique Wingdings-Regular ZapfChancery-MediumItalic ZapfDingbats

PCL Fonts

The following PCL fonts are resident with the Oak interpreter.

Each of these commands references either a 12-point font, or a 10-pitch font. If you wish to use any other point size, simply change the 12v to the desired size (.25 - 999.75), to use a different pitch change the 10h to the desired size (> 0.00).

The commands listed use the default symbol set, Roman-8. To change the symbol set, include the alternate symbol set after the first **<ESC**> and before the second **<ESC**>. Use the line printer examples in the following table as a reference.

–	
Font Name	PCL Escape Command
CG Times	<esc>(<esc>(s1p12v0s0b4l0IT</esc></esc>
CG Times Italic	<esc>(<esc>(s1p12v1s0b4l01T</esc></esc>
CG Times Bold	<esc>(<esc>(s1p12v1s3b4l0lT</esc></esc>
CG Times Bold Italic	<esc>(<esc>(s1p12vls3b4l01T</esc></esc>
Univers Medium	<esc>(<esc>(s1p12v0s0b4148T</esc></esc>
Univers Medium Italic	<esc>(<esc>(s1p12vls0b4l48T</esc></esc>
Univers Bold	<esc>(<esc>(s1p12v0s3b4148T</esc></esc>
Univers Bold Italic	<esc>(<esc>(s1p12v1s3b4148T</esc></esc>
Univers Medium Condensed	<esc>(<esc>(s1p12v4s0b4148T</esc></esc>
Univers Medium Condensed Italic	<esc>(<esc>(s1p12v5s0b4148T</esc></esc>
Univers Bold Condensed	<esc>(<esc>(s1p12v4s3b4148T</esc></esc>
Univers Bold Condensed Italic	<esc>(<esc>(s1p12v5s3b4148T</esc></esc>
Antique Olive	<esc>(<esc>(s1p12v0s0b4163T</esc></esc>
Antique Olive Italic	<esc>(<esc>(s1p12v1s0b4l68T</esc></esc>
Antique Olive Bold	<esc>(<esc>(s1p12v0s3b4168T</esc></esc>
CG Omega	<esc>(<esc>(s1p12v0s0b4113T</esc></esc>
CG Omega Italic	<esc>(<esc>(s1p12v1s0b4113T</esc></esc>
CG Omega Bold	<esc>(<esc>(s1p12v0s3b4113T</esc></esc>
CG Omega Bold Italic	<esc>(<esc>(s1p12v1s3b4113T</esc></esc>
Garamond Antiqua	<esc>(<esc>(s1p12v0s0b4197T</esc></esc>
Garamond Kursiv	<esc>(<esc>(s1p12v1s0b4197T</esc></esc>
Garamond Halbfett	<esc>(<esc>(s1p12v0s3b4197T</esc></esc>
Garamond Kursiv Halbfett	<esc>(<esc>(s1p12v1s3b4197T</esc></esc>
Courier	<esc>(<esc>(s0p10h0s0b4099T</esc></esc>
Courier Italic	<esc>(<esc>(s0p10h1s0b4099T</esc></esc>
Courier Bold	<esc>(<esc>(s0p10h0s3b4099T</esc></esc>
Courier Bold Italic	<esc>(<esc>(s0p10h1s3b4099T</esc></esc>
Letter Gothic	<esc>(<esc>(s0p10h0s0b4102T</esc></esc>
Letter Gothic Bold	<esc>(<esc>(s0p10h0s3b4102T</esc></esc>
Letter Gothic Italic	<esc>(<esc>(s0p10h1s0b4102T</esc></esc>
ALbertus Medium	<esc>(<esc>(s1p12v0s1b43621</esc></esc>
ALbertus Extra BoLd	<esc>(<esc>(s1p12v0s4b4362T</esc></esc>
Claredon Condensed	<esc>(<esc>(s1p12v4s3b4140T</esc></esc>
Coronet	<esc>(<esc>(s1p12v1s0b4116T</esc></esc>
Marigold	<esc>(<esc>(s1p12v0s0b4297T</esc></esc>
Arial	<esc>(<esc>(s1p12v0s0b16602T</esc></esc>
Arial ItaLic	<esc>(<esc>(s1p12v1s0b166O2T</esc></esc>
Arial Bold	<esc>(<esc>(s1p12v0s3b16602T</esc></esc>
Arial Bold Italic	<esc>(<esc>(s1p12v1s3b16602T</esc></esc>
Times New Roman	<esc>(<esc>(s1pc12v0s0b1690IT</esc></esc>
Times New Roman Italic	<esc>(<esc>(s1p12v1s0bl6901T</esc></esc>
L	

	1
Times New Roman Bold	< <u>Esc>(<esc>(s1p12v0s3b16901T</esc></u>
Times New Roman Bold Italic	<esc>(<esc>(s1p12v1s3b16901T</esc></esc>
Symbol	<esc>(<esc>(s1p12v0s0b16686T</esc></esc>
Wingdings	<esc>(<esc>(s1p12v0s0b6826T</esc></esc>
ITC AvantGuard Black	<esc>(<esc>(s1p12v0s0b24607T</esc></esc>
ITC AvantGuard Black Oblique	<esc>(<esc>(s1p12v1s0b24607T</esc></esc>
ITC AvantGuard DemiBold	<esc>(<esc>(s1p12v0s2b24607T</esc></esc>
ITC AvantGuand DemiBold Oblique	<esc>(<esc>(s1p12v1s2b24607T</esc></esc>
ITC Bookman Light	<esc>(<esc>(s1p12v0s-3b24623T</esc></esc>
ITC Bookman Light Italic	<esc>(<esc>(s1p12v1s-3b24623T</esc></esc>
ITC Bookman DemiBold	<esc>(<esc>(s1p12v0s2b24623T</esc></esc>
Bookman DemiBold Italic	<esc>(<esc>(s1p12v1s2b24623T</esc></esc>
Courier PS	<esc>(<esc>(s0p10h0s0b24579T</esc></esc>
Courier PS Oblique	<esc>(<esc>(s0p10h1s0b24579T</esc></esc>
Courier PS Bold	<esc>(<esc>(s0p10h0s3b24579T</esc></esc>
Courier PS Bold Oblique	<esc>(<esc>(s0p10h1s3b24579T</esc></esc>
Helvetica	<esc>(<esc>(s1p12v0s0b24580T</esc></esc>
Helvetica Oblique	<esc>(<esc>(s1p12v1s0b24580T</esc></esc>
Helvetica Bold	<esc>(<esc>(s1p12v0s3b24580T</esc></esc>
Helvetica Bold Oblique	<esc>(<esc>(s1p12v1s3b24580T</esc></esc>
Helvetica Narrow	<esc>(<esc>(s1p12v4s0b24580T</esc></esc>
Helvetica Narrow Oblique	<esc>(<esc>(s1p12v5s0b24580T</esc></esc>
HeLvetica Narrow Bold	<esc>(<esc>(s1p12v4s3b24580T</esc></esc>
HeLvetica Narrow BoLd Oblique	<esc>(<esc>(s1p12v5s3b24580T</esc></esc>
New Century SchooLbook Roman	<esc>(<esc>(s1p12v0s0b24703T</esc></esc>
New Century SchooLbook Italic	<esc>'(<esc>(s1p12v1s0b24703T</esc></esc>
New Century Schoolbook Bold	<esc>(<esc>(s1pu12v0s3b24703T</esc></esc>
New Century Schoolbook BoLd Italic	<esc>(<esc>(s1p12v1s3b24703T</esc></esc>
Palatino Roman	<esc>(<esc>(s1p12v0s0b24591T</esc></esc>
Palatino Italic	<esc>(<esc>(s1p12vw1sOb24591T</esc></esc>
Palatino Bold	<esc>(<esc>(s1p12vOs3b24591</esc></esc>
Palatino Bold Italic	<esc>(<esc>(s1p12v1s3b24591T</esc></esc>
Symbol PS	<esc>(<esc>(s1p12v0s0b4S3S8T</esc></esc>
Times Roman	<esc>(<esc>(s1p12v0s0b25093T</esc></esc>
Times Roman Italic	<pre><esc>(<esc>(s1p12v1s0b25093T</esc></esc></pre>
Times Roman Bold	<pre><esc>(<esc>(s1p12v0s3b25093T</esc></esc></pre>
Times Bold Italic	<pre><=</pre>
Zapf Chancery Medium Italic	<pre><====================================</pre>
Zapf Dingbats	<pre><esc>(<esc>(s1p12v0s0b4Sl0IT</esc></esc></pre>
Line Printer (Roman-8)	<pre><esc (*200="" (01)="" 10011="" 120000="" <="" pre=""><esc (80<="" pre=""><pre>(80</pre><pre>// 10000 10001</pre></esc></esc></pre>
Line Printer (PC-8)	<pre><esc>(i00 <esc> (s0p16.67h8.48v0s0b01 </esc></esc></pre>
Line Printer (PC-8 D/N)	<pre><esc>(100 <esc> (s0p16.67h8.48v0s0b0T</esc></esc></pre>
Line Printer (PC-850)	<pre><esc>(12U<esc>(s0p16.67h8.48v0s0b0T</esc></esc></pre>
Line Printer (Latin-1)	<pre><e3c>(120<e3c>(30p10.0710.40000001)</e3c></e3c></pre> <esc>(0N<esc>(s0p16.67h8.48v0s0b0T)</esc></esc>
Line Printer (Lgeal)	<pre><esc>(00<esc>(30)10.0710.400030001</esc></esc></pre> <esc>(1U<esc>(s0)16.67h8.48v0s0b0</esc></esc>
Line Printer (Egear)	<pre><esc>(80</esc></pre> Esc>(80fiesdfiesdfiesdfiesdfiesdfiesd
Line Printer 16 (PC-8)	<pre><esc>(30<esc>(30) 10:0718:50000001</esc></esc></pre> <esc>(10U<esc>(s0p16.67h8.50v0s0b01)</esc></esc>
Line Printer 16 (PC-8 D/N)	<pre><esc>(100<esc>(s0p10.07118.50v0s0b01)</esc></esc></pre> <esc>(11U<esc>(s0p16.67h8.50v0s0b01)</esc></esc>
Line Printer 16 (PC-850)	<pre><esc>(110<esc>(s0p16.67h8.50v0s0b01)</esc></esc></pre> <esc>(12U<esc>(s0p16.67h8.50v0s0b01)</esc></esc>
	· · · ·
Line Printer 16 (Latin-1)	<pre><esc>(0N<esc>(s0p16.67h8.50v0s0b0T</esc></esc></pre>
Line Printer 16 (Legal)	<esc>(1U<esc>(s0p16.67h8.50v0s0b0T</esc></esc>

ASCII Conversion Table

—		
Dec	Hex	ASCII / Description
000	00	NUL / NULL
001	01	SOH / start-of-heading
002	02	STX / start-of-text
003	03	ETX / end-of-text
004	04	EOT / end-of-
		transmission
005	05	ENQ / enquiry
006	06	ACK / acknowledge
007	07	BEL / bell
008	08	BS / backspace
009	09	HT / tab
010	0A	LF / linefeed
011	0B	VT / vertical-tab
012	0C	FF / formfeed page
013	0D	CR / carriage-return
014	0E	SO / shift-out
015	0F	SI / shift-in
016	10	DLE / data-link-escape
017	11	DC1 / XON
018	12	DC2/R
019	13	DC3 / XOFF
020	14	DC4 / DC4 DCL
021	15	NAK / negative-
-	-	acknowledge
022	16	SYN / synchronous-idle
023	17	ETB / end-of-
		transmission
024	18	CAN / cancel
025	19	EM / end-of-medium
026	1A	SUB / substitute
027	1B	ESC / escape
028	1C	FS / field-separator
029	1D	GS / group-separator
030	1E	RS / record-separator
031	1F	US / unit-separator
032	20	space
033	21	! / exclamation-point
034	22	" straight-double
035	23	# number-sign
036	24	\$ dollar-sign
037	25	% percent-sign
038	26	& ampersand
039	27	' apostrophe
040	28	(left-parenthesis
041	29) right-parenthesis
041	29) right-parentnesis

Dec	Hex	ASCII / Description
042	2A	* asterisk
043	2B	+ addition-sign
044	2C	, comma
045	2D	- hyphen
046	2E	. period
047	2F	/ right-slash
048	30	0
049	31	1
050	32	2
051	33	3
052	34	4
053	35	5
054	36	6
055	37	7
056	38	8
057	39	9
058	3A	: colon
059	3B	; semicolon
060	3C	< less-than
061	3D	= equals
062	3E	> greater-than
063	3F	? question-mark
064	40	@ at-symbol
065	41	A
066	42	В
067	43	С
068	44	D
069	45	E
070	46	F
071	47	G
072	48	Н
073	49	1
074	4A	J
075	4B	К
076	4C	L
077	4D	М
078	4E	Ν
079	4F	0
080	50	Р
081	51	Q
082	52	R
083	53	S
084	54	T
085	55	U
086	56	V

Dec	Hex	ASCII / Description
087	57	W
088	58	Х
089	59	Υ
090	5A	Z
091	5B	[left-bracket
092	5C	\ left-slash backslash
093	5D] right-bracket
094	5E	^ caret
095	5F	_ underscore
096	60	` accent
097	61	а
098	62	b
099	63	С
100	64	d
101	65	e
102	66	f
103	67	g
104	68	h
105	69	İ
106	6A	j
107	6B	k
108	6C	1
109	6D	m
110	6E	n
111	6F	0
112	70	р
113	71	q
114	72	r
115	73	S
116	74	t
117	75	u
118	76	V
119	77	w
120	78	х
121	79	у
122	7A	Z
123	7B	{ left-brace
124	7C	vertical-bar
125	7D	} right-brace
126	7E	~ tilde
127	7F	^? delete

Additional Information

Xerox Customer Service welcomes feedback on all documentation - send feedback via email to: <u>USA.DSSC.Doc.Feedback@mc.usa.xerox.com</u>.

You can reach Xerox Customer Support at 1-800-821-2797 (USA), TTY 1-800-855-2880 or at http://www.xerox.com.

Other Tips about Xerox multifunction devices are available at the following URL: <u>http://www.office.xerox.com/support/dctips/dctips.html</u>.

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