Xerox Multifunction Devices

# Customer Tips

dc06cc0408 October 12, 2006 ... for the user

# PDL Reference Guide for the WorkCentre 7228/7235/7245

# Accessing Extended Features

#### Overview

This document enables you to access the extended features of the WorkCentre 7228/7235/7245 in environments that do not have a custom driver.

**Note:** 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 PCL table that describes the PCL features the WorkCentre supports and the syntax to use the feature.
- A PS table that describes the PS features the WorkCentre supports and the syntax to use the feature.

This document is not intended to be a complete PS or PCL reference manual. It is a guide for using the PS and PCL commands with a WorkCentre 7228/7235/7245 only. Refer to these references for additional details:

- PostScript Language Reference Manual, Third Edition, ISBN 0-201-38922-8,
- PCL5 Printer Language Technical Reference Manual (http://h20000.www2.hp.com/bc/docs/support/SupportManual/bpl13210/bpl13210.pdf),
- Printer Job Language Technical Reference Manual
   (<a href="http://h20000.www2.hp.com/bc/docs/support/SupportManual/bpl13208/bpl13208.pdf">http://h20000.www2.hp.com/bc/docs/support/SupportManual/bpl13208/bpl13208.pdf</a>), a
   Hewlett-Packard manual.

## Using this Guide

Search the Feature Table to determine whether the feature you wish to use is supported.

Verify that the feature is supported by the platform. For example, the WorkCentre must have an optional finisher installed to use stapling commands.

Follow across the table to find the syntax listed for the PDL examples shown. Reference the "Dependencies/Caveats" section when working with PS and/or PCL commands.

This document applies to the Xerox product WC 7228/7235/7245. It is assumed that your device is equipped with the appropriate option(s) to support the information in this document.

# **PCL**

This WorkCentre supports PCL5e and PCL XL Color emulations that enable the features listed in the following table.

Feature	Description	
Job Name	The value for Job Name is stored for printing on the banner page.	
Custom Paper Size – available only for PCL	Customer designated paper size on which to print a job.	
Media Size	The size of media on which to print a job.	
Media Source	Specifies the tray to supply the job's media.	
Output Location	Indicates the output bin where the completed print job is sent.	
Stapling	Indicates use and location of staple(s).	
Punch	Indicates use, location, and number of hole punches.	
Booklet	Print job in booklet format.	
Collation	Collated creates a set that includes 1 copy of each page. Uncollated creates a stack of multiple copies of the same page.	
Resolution	Resolution used to image a job.	
Quantity	Number of copies of a job to print.	
Simplex	Delivers one-sided output.	
Duplex	Delivers two-sided output.	
Orientation	Delivers output in landscape or portrait orientation.	
Force Short Edge Feeding	Rotates orientation of job.	
Job Type	Specify Store (Secure) to hold the print job at the device until it is released by input at the local UI (see documentation shipped with the device for more information), or Proof to print the first of multiple copies to check that all attributes of a job are correct.	
Interleaving Paper (transparency separator)	Insert blank media to separate sheets of transparent media.	
Job Based Accounting	Allows entry of an accounting code and user ID. To enable this feature the optional Network Accounting kit is required.	
Delayed Print	Specify the time to print a job.	

# PCL/PJL Implementation

The following table contains the PCL feature commands and shows the syntax required to use the feature. After the table are examples of how to use these commands and examples of a PCL file.

For more details, refer to these reference materials: *PCL5 Printer Language Technical Reference Manual* and *Printer Job Language Technical Reference Manual*, (Hewlett-Packard manuals).

Feature	Implementation	Values
Job Name	@PJL SET JOBNAME =	Where jobname-string is a maximum of 32
	"jobname-string"	characters
		Do not use " (22 hex) character
Custom Paper	<esc>&amp;I101A</esc>	Width of Custom Paper is specified by
Size – available		<esc>&amp;f#Iwhere # = decipoints for</esc>
only for PCL		100 - 305 mm.
		Length of Custom Paper is specified by
		<esc>&amp;f#J where # = decipoints for</esc>
		140 – 482 mm.
		For example, 4.25-inch x 5.5-inch paper
		appears as: <esc>&amp;f3060I3960J</esc>
		4.25-inch x 720 decipoints/inch = 3060
		and 5.5-inch x 720 decipoints/inch = 3960.
Media Size	@PJL SET PAPER = value	Where <i>value</i> is one of the following:
		A3
		A4
		JISB4
		JISB5LEDGER: 11x17
		LEGAL: 8.5x14
		JISEXEC: 8.5x13
		LETTER: 8.5x11
		CUSTOM: Custom paper
	<esc>&amp;I int A</esc>	Where <i>int</i> is one of the following:
		2: Letter (8.5x11)
		3: Legal (8.5x14)
		6: Ledger (11x17)
		45: B5 (JIS)
		26: A4
		27: A3
		46: B4(JIS) 101: Custom
Media Source	@PJL SET MEDIASOURCE =	Where <i>value</i> is one of the following:
Media Source	value	TRAY1: Feed from paper tray 1
	Value	TRAY2: Feed from paper tray 2
		TRAY3: Feed from paper tray 3
		TRAY4: Feed from paper tray 4
	<esc>&amp;I int H</esc>	Where <i>int</i> is one of the following:
		0: Feed paper from default tray
		4: Tray1
		1: Tray2
		5: Tray3
		8: Tray4
		20 = Auto
		2 or 3 = bypass tray

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Feature	Implementation	Values
Output Location	@PJL SET OUTBIN = value	Where value is one of the following:
		UPPER: Main tray
		MAINTRAY: Main tray (no finisher installed)
		LOWER: Side tray
		SIDETRAY: Side tray
		MAINTRAY3: Top tray of Advanced Office and Professional Finishers
		OUTBIN101: Finisher tray (w/ B-Finisher or C-Finisher)
		BOOKLETTRAY: Booklet tray of Professional Finisher with booklet module
	<esc>&amp;l int G</esc>	Where <i>int</i> is one of the following: 0: Automatic selection 1: Main tray 2: Side tray 6: Finisher tray (applies to all finishers)
Stapling	@PJL SET STAPLE = value	Where value is one of the following: TOPDUAL TOPLEFT TOPRIGHT BOTTOMDUAL BOTTOMLEFT BOTTOMRIGHT LEFTDUAL RIGHTDUAL SADDLE NONE
Punch	@PJL SET PUNCH = value1	Where <i>value1</i> is one of the following:
	@PJL SET JOBATTR = "@PNHN = value2"	RIGHT LEFT BOTTOM NONE Where value2 is TWO: 2 holes
Folding	@PJL SET JOBATTR =	Where <i>value1</i> is one of the following:
	"@FOLD = value1"	BIFOLDINSIDE: Bi-fold single page
Collation	@DII SET OTV - int	BIFOLDMULTIOUTSIDE: Bi-fold multi-page
Resolution	@PJL SET QTY = int  @PJL SET RESOLUTION =	Where <i>int</i> is: 1-999 sets of collated documents.  Where <i>value</i> is 600
Bits Per Pixel	<pre>value @PJL SET BITSPERPIXEL = value</pre>	Where value is 1: 1 bit per pixel (per plane)
Quantity	@PJL SET COPIES = int	Where <i>int</i> is: 1-999 sets of uncollated documents.
	<esc>&amp;I int X</esc>	Where int is: 1-999
Simplex	@PJL SET DUPLEX = value1 <esc>&amp;I int S</esc>	Where int is 0: simplex
Duplex	@PJL SET DUPLEX = value1 @PJL SET BINDING = value2	Where int is 0: simplex Where value1 is ON: duplex Where value2 is one of the following: LONGEDGE SHORTEDGE (value2 is used combined with value1 = ON)
	<esc>&amp;I int S</esc>	Where <i>int</i> is one of the following:  1: Duplex long edge binding  2: Duplex short edge binding

Feature	Implementation	Values
Orientation	@PJL SET ORIENTATION =	Where <i>value</i> is one of the following:
Offeritation	value	PORTRAIT
	Value	LANDSCAPE
	<esc>&amp;I int O</esc>	Where int is one of the following:
	<e3c>&amp;I III C</e3c>	0: Portrait
		1: Landscape
		2: Reverse Portrait
Force short	@PJL SET	3: Reverse Landscape
	PAPERDIRECTION = value	Where <i>value</i> is one of the following: SEF: Short Edge Feed
edge feeding	PAPERDIRECTION = value	1 - 3 3
Joh Mada	@DJL JOB MODE wakes	LEF: Long Edge Feed
Job Mode	@PJL JOB MODE = value	Where value is PRINTER: Printer
Job Type	@PJL SET HOLD = value1	Where <i>value1</i> is one of the following:
(Secure Print /		PROOF: proof print
Proof Print)		STORE: confidential print (secure print)
		TI HOLDIEN III
	@PJL SET HOLDKEY =" four-	The HOLDKEY variable acts as a password
	digit string"	without encryption to protect a held job.
		Four-digit string can be any four-digit value from
		0000 to 9999. The default value is "". When
		""(null) is specified, no password is required.
Job Based	@PJL SET JOBATTR =	Where string1 is a maximum of 32 ascii
Accounting or	"@JOAU = string1"	characters (in the range 20 – 7E hex) indicating
Auditron (which		job owner (case sensitive).
ever is enabled)	0 - 11 0 - 10 - 1	
	@PJL SET JOBATTR =	Where string2 is a maximum of 12 ascii
	"@JOAP = string2"	characters (in the range 20 – 7E hex) indicating
		password without encryption. Null is a valid
		entry (zero length string).
	@PJL SET JOBATTR =	Where string3 is a maximum of 32 ascii
	"@DAID = string3"	characters (in the range 20 – 7E hex) indicating
		account ID. It can be null (zero length string).
Delay Print	@PJL SET JOBATTR =	Where:
	"@PRTM =	YYYY: year (AD 2000 2099)
	YYYY:MM:DD:hh:mm"	<i>MM</i> : month (1 12)
		<i>DD</i> : day (1 31)
		<i>hh</i> : hour (0 23)
		<i>mm</i> : minute (0 59)
Banner Sheet	@PJL SET JOBATTR=	Where <i>value</i> is one of the following:
	"@BANR=value"	START: enable banner sheet
		DEVICE: use device setting
		OFF: no banner sheet
	@PJL SET JOBATTR=	Where string is a maximum of 255 ascii
	"@BCMT=comment string"	characters (in the range 20 – 7E hex) for display
	BOWN = COMMENT SUMY	
		on the banner sheet.

### **PJL Template**

This section illustrates a standard PJL template that is used to access general print features as well as features unique to a WorkCentre. This template lists each feature and the syntax, and shows both the PCL and PJL commands required to enable the features.

#### Section 1 (Opening Command, Required for all files)

<ESC>%-12345X@PJL JOB MODE=PRINTER

#### Section 2 (PJL Set Commands)

@PJL SET RESOLUTION=600 @PJL SET COPIES=1

#### Section 3 (PCL Code used to invoke PCL Language)

@PJL ENTER LANGUAGE=PCL

# Section 4 (PCL Data Stream or ASCII Document inserted here for Options such as selection Different Fonts, Simplex, Duplex, etc.)

,,,,,,,,,

#### Section 5 (Closing Command, Required at end of Document)

<ESC>%-12345X@PJL EOJ

## Sample PJL Headers

This section contains examples of these commands in use.

#### **Example 1 Simple Print**

```
<ESC>%-12345X@PJL JOB MODE=PRINTER<CR><LF>
@PJL COMMENT Beginning PCL Job<CR><LF>
@PJL SET OUTBIN=MAINTRAY<CR><LF>
@PJL SET QTY=1<CR><LF>
@PJL SET RESOLUTION=600<CR><LF>
@PJL SET JOBATTR="@JOAU=John" <CR><LF>
```

#### **Example 2 Finishing Options (Stapling)**

```
<ESC>%-12345X@PJL JOB MODE=PRINTER<CR><LF>
@PJL SET OUTBIN=OUTBIN101<CR><LF>
@PJL SET FINISH=ON<CR><LF>
@PJL SET STAPLE=TOPLEFT<CR><LF>
```

#### **Example 3 Finishing Options (Punch)**

```
<ESC>%-12345X@PJL JOB MODE=PRINTER<CR><LF>
@PJL SET OUTBIN=OUTPIN101<CR><LF>
@PJL SET FINISH=ON<CR><LF>
@PJL SET PUNCH=LEFT<CR><LF>
@PJL SET JOBATTR="@PNHN=TWO"<CR><LF>
```

#### **Example 4 Proof Print**

```
<ESC>%-12345X@PJL JOB MODE=PRINTER<CR><LF>
@PJL SET HOLD=PROOF <CR><LF>
@PJL SET USERNAME="John" <CR><LF>
@PJL SET JOBNAME="Job1" <CR><LF>
```

#### Example 5 Confidential (Secure) Print without encryption (Password: 1234)

```
<ESC>%-12345X@PJL JOB MODE=PRINTER<CR><LF>
@PJL SET HOLD=STORE <CR><LF>
@PJL SET HOLDKEY="1234"<CR><LF>
@PJL SET USERNAME="John" <CR><LF>
@PJL SET JOBNAME="Job1" <CR><LF>
```

#### **Example 6 Banner Sheet**

```
@PJL SET JOBATTR="@BANR=START"<CR><LF>
@PJL SET JOBATTR="@BCMT=Please Recycle" <CR><LF>
```

# Example 7 Job Based Accounting & Auditron (User ID:Patricia, Password: none, account ID: none)

```
<ESC>%-12345X@PJL JOB MODE=PRINTER<CR><LF>
@PJL SET JOBATTR="@JOAU=Patricia"<CR><LF>
@PJL SET JOBATTR="@JOAP="<CR><LF>
@PJL SET JOBATTR="@DAID="<CR><LF>
```

### PCL/PJL Feature Dependencies/Caveats

- All PJL commands must be in the first 2,500 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.
  - Read commands from left to right. Combine commands in the order you wish them to execute.
  - For example, combine print 5 copies (<ESC>&|5X) and use letter size (<ESC>&|2A) as <ESC>&|5x2A.
- In case of duplicate commands, the last one requested takes precedence.
- The @PJL SET COPIES takes precedence over the PCL escape command (<ESC>& | int X>) to set copies. In general, a PJL command takes precedence over a PCL command.
- A request to duplex these media sizes is ignored: A6, JISB6, 12x18, JPOST, JPOSTD, POSTCARD, 50X70, and TYOUKEI3.
- A request to staple these media sizes is ignored: A5, A6, JISB6, STATEMENT, EXECUTIVE, 11x15, 12x18, JPOST, JOPSTD, POSTCARD, 50x70, TYOUKEI3 and CUSTOM.
- Valid media classes for duplex are fine paper, stationary, recycled paper, user 1-5 paper, thick paper 1 (including A-S), thick paper 1 for finisher (including A-S), coated paper, and coated paper for finisher.
- Valid media classes for staple are fine paper, stationary, recycled paper, stationary side 2, user 1-5 paper, thick paper 1 finisher, and coated paper 1 for all optional finishers. For the Advanced Office and Professional (C) Finishers thick paper 1 (including A-S), thick paper 2 (including A-S), thick paper 1 reverse, thick paper 2 reverse, coated paper 1 and coated paper 1 reverse are also valid.

#### **PCL Fonts**

The following PCL fonts are resident.

The commands in the table reference a 12-point font. If you wish to use any other point size, change the 12v to the desired size (.25 - 999.75).

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

Font Name	PCL Escape Command
Albertus Medium	<esc>(<esc>(s1p12v0s1b4362T</esc></esc>
Albertus Extra Bold	<esc>(<esc>(s1p12v0s4b4362T</esc></esc>
Antique Olive	<esc>(<esc>(s1p12v0s0b4168T</esc></esc>
Antique Olive Bold	<esc>(<esc>(s1p12v0s3b4168T</esc></esc>
Antique Olive Italic	<esc>(<esc>(s1p12v1s0b4168T</esc></esc>
Arial	<esc>(<esc>(s1p12v0s0b16602T</esc></esc>
Arial Bold	<esc>(<esc>(s1p12v0s3b16602T</esc></esc>
Arial Italic	<esc>(<esc>(s1p12v1s0b16602T</esc></esc>
Arial Bold Italic	<esc>(<esc>(s1p12v1s3b16602T</esc></esc>
CG Times	<esc>(<esc>(s1p12v0s0b4101T</esc></esc>
CG Times Bold	<esc>(<esc>(s1p12v0s3b4101T</esc></esc>
CG Times Italic	<esc>(<esc>(s1p12v1s0b4101T</esc></esc>
CG Times Bold Italic	<esc>(<esc>(s1p12v1s3b4101T</esc></esc>
CG Omega	<esc>(<esc>(s1p12v0s0b4113T</esc></esc>
CG Omega Bold	<esc>(<esc>(s1p12v0s3b4113T</esc></esc>

Fant Name	BCI Fosons Command
Font Name CG Omega Italic	PCL Escape Command <esc>(<esc>(s1p12v1s0b4113T</esc></esc>
CG Omega Bold Italic	<pre><esc>(<esc>(s1p12v1s0b41131 <esc>(<esc>(s1p12v1s3b4113T</esc></esc></esc></esc></pre>
Clarendon Condensed	<pre><esc>(<esc>(s1p12v1s3b41131) <esc>(<esc>(s1p12v4s3b4140T)</esc></esc></esc></esc></pre>
Coronet	<pre><esc>(<esc>(s1p12v4s3b41401) <esc>(<esc>(s1p12v1s0b4116T)</esc></esc></esc></esc></pre>
Courier	<pre><esc>(<esc>(s1p12v1s0b41101) <esc>(<esc>(s1p12v0s0b4099T)</esc></esc></esc></esc></pre>
Courier Bold	<pre><esc>(<esc>(s1p12v0s0b40991 <esc>(<esc>(s1p12v0s3b4099T)</esc></esc></esc></esc></pre>
Courier Italic	<pre><esc>(<esc>(s1p12v0s3b4099T) </esc></esc></pre>
Courier Railc  Courier Bold Italic	<pre><esc>(<esc>(s1p12v1s0b4099T) </esc></esc></pre>
Garamond Antiqua	<pre><esc>(<esc>(s1p12v1s3b4b991 <esc>(<esc>(s1p12v0s0b4197T)</esc></esc></esc></esc></pre>
Garamond Halbfett	<pre><esc>(<esc>(s1p12v0s0b4197T) <esc>(<esc>(s1p12v0s3b4197T)</esc></esc></esc></esc></pre>
Garamond Kursiv	<pre><esc>(<esc>(s1p12v0s3b4197T) <esc>(<esc>(s1p12v1s0b4197T)</esc></esc></esc></esc></pre>
Garamond Kursiv Halbfett	<pre><esc>(<esc>(s1p12v1s0b41971 <esc>(<esc>(s1p12v1s1b4197T)</esc></esc></esc></esc></pre>
Line Printer (Roman-8)	<pre><esc>(8U<esc>(s0p16.67h8.5v0s0b0T</esc></esc></pre>
Line Printer (Roman-6)	<pre><esc>(00<esc>(30p10.07Hd.5v030b01 <esc>(0U<esc>(50p16.67h8.5v0s0b0T</esc></esc></esc></esc></pre>
Line Printer (Eatin-1)  Line Printer (PC-8)	<pre><esc>(00<esc>(s0p10.0710.57050b01 <esc>(10U<esc>(s0p16.67h8.5v0s0b01</esc></esc></esc></esc></pre>
Line Printer (PC-8 D/N)	<pre><esc>(100<esc>(sop16.67h8.5v0s0b01 <esc>(11U<esc>(s0p16.67h8.5v0s0b0T)</esc></esc></esc></esc></pre>
Line Printer (PC-850)	<pre><esc>(110<esc>(s0p16.67h8.5v0s0b01 <esc>(12U<esc>(s0p16.67h8.5v0s0b0T)</esc></esc></esc></esc></pre>
Line Printer (PC-050)  Line Printer (Legal)	<pre><esc>(120<esc>(s0p16.67h8.5v0s0b01 <esc>(10<esc>(s0p16.67h8.5v0s0b0T</esc></esc></esc></esc></pre>
Marigold	<pre><esc>(10<esc>(s0p16.6716.37050001 <esc>(<esc>(s1p12v0s0b4297T)</esc></esc></esc></esc></pre>
Times New	<pre><esc>(<esc>(s1p12v0s0b42971 <esc>(<esc>(s1p12v0s0b16901T</esc></esc></esc></esc></pre>
Times New Bold	<pre><esc>(<esc>(s1p12v0s0b109011 <esc>(<esc>(s1p12v0s3b16901T</esc></esc></esc></esc></pre>
Times New Italic	<pre><esc>(<esc>(s1p12v0s3b169011 <esc>(<esc>(s1p12v1s0b16901T</esc></esc></esc></esc></pre>
Times New Halic Times New Bold Italic	<pre><esc>(<esc>(s1p12v1s0b109011 <esc>(<esc>(s1p12v1s3b16901T</esc></esc></esc></esc></pre>
Symbol	<pre><esc>(<esc>(s1p12v1s3b109011 <esc>(19M<esc>(s1p12v0s0b16686T)</esc></esc></esc></esc></pre>
Wingdings	<pre><esc>(579L<esc>(\$1p12v0\$1b31402T</esc></esc></pre>
Univers Bold	<pre><esc>(579E<esc>(\$1p12v0\$1b314021 <esc>(<esc>(\$1p12v0\$3b4148T</esc></esc></esc></esc></pre>
Univers Bold Italic	<pre><esc>(<esc>(s1p12v0s3b4148T) <esc>(<esc>(s1p12v1s3b4148T)</esc></esc></esc></esc></pre>
Univers Bold Italic Univers Bold Condensed	<pre><esc>(<esc>(s1p12v1s3b4148T) <esc>(<esc>(s1p12v4s3b4148T)</esc></esc></esc></esc></pre>
Univers Bold Condensed Italic	<pre><esc>(<esc>(s1p12v4s3b4148T) </esc></esc></pre>
Univers Medium	<pre><esc>(<esc>(s1p12v0s3b41461 <esc>(<esc>(s1p12v0s0b4148T)</esc></esc></esc></esc></pre>
Univers Medium Italic	<pre><esc>(<esc>(s1p12v0s0b41461 <esc>(<esc>(s1p12v1s0b4148T)</esc></esc></esc></esc></pre>
Univers Medium Condensed	<pre><esc>(<esc>(s1p12v1s0b41481 <esc>(<esc>(s1p12v4s0b4148T)</esc></esc></esc></esc></pre>
Univers Medium Condensed Italic	<pre><esc>(<esc>(s1p12v4s0b41461) <esc>(<esc>(s1p12v5s0b4148T)</esc></esc></esc></esc></pre>
Letter Gothic	<pre><esc>(<esc>(s1p12v3s0b41461) <esc>(<esc>(s1p12h0s0b4102T)</esc></esc></esc></esc></pre>
Letter Gothic Italic	<pre><esc>(<esc>(s1p12h0s0b4102T) <esc>(<esc>(s1p12h1s0b4102T)</esc></esc></esc></esc></pre>
Letter Gothic Halic	<pre><esc>(<esc>(s1p12h1s0b41021 <esc>(<esc>(s1p12h0s3b4102T)</esc></esc></esc></esc></pre>
Times Roman	<pre><esc>(<esc>(s1p12h0s3b4102T) <esc>(<esc>(s1p12h0s3b4102T)</esc></esc></esc></esc></pre>
Times Roman Times Italic	<pre><esc>(<esc>(s1p12h0s3b4102T) <esc>(<esc>(s1p12h0s3b4102T)</esc></esc></esc></esc></pre>
Times Bold	<pre><esc>(<esc>(s1p12h0s3b4102T) <esc>(<esc>(s1p12h0s3b4102T)</esc></esc></esc></esc></pre>
Times Bold Italic	<pre><esc>(<esc>(s1p12h0s3b4102T) <esc>(<esc>(s1p12h0s3b4102T)</esc></esc></esc></esc></pre>
Helvetica	<pre><esc>(<esc>(s1p12f0s3b4f02f) <esc>(<esc>(s1p12v0s0b24580T)</esc></esc></esc></esc></pre>
Helvetica Oblique	<pre><esc>(<esc>(s1p12v0s0b243601 <esc>(<esc>(s1p12v1s0b24580T)</esc></esc></esc></esc></pre>
Helvetica Oblique Helvetica Bold	<pre><esc>(<esc>(s1p12v1s0b243001) <esc>(<esc>(s1p12v0s3b24580T)</esc></esc></esc></esc></pre>
Helvetica Bold Oblique	<pre><esc>(<esc>(s1p12v0s3b243601 <esc>(<esc>(s1p12v1s3b24580T)</esc></esc></esc></esc></pre>
CourierPS	<pre><esc>(<esc>(s1p12v1s3b243601) <esc>(<esc>(s0p12h0s0b24579T)</esc></esc></esc></esc></pre>
CourierPS Oblique	<pre><esc>(<esc>(sop12h0s0b24579T <esc>(<esc>(sop12h1s0b24579T)</esc></esc></esc></esc></pre>
CourierPS Oblique CourierPS Bold	<pre><esc>(<esc>(sop12f1s0b245791 <esc>(<esc>(sop12h0s3b24579T</esc></esc></esc></esc></pre>
CourierPS Bold Oblique	<pre><esc>(<esc>(sup 1210s3b243791 <esc>(<esc>(sup 1210s3b245797)</esc></esc></esc></esc></pre>
SymbolPS	<pre><esc>(<esc>(sup1211153b243791 <esc>(19M<esc>(s1p12v0s0b45358T)</esc></esc></esc></esc></pre>
Palatino Roman	<pre><esc>(19M<esc>(\$1p12V0\$00453581 <esc>(<esc>(\$1p12V0\$0b24591T</esc></esc></esc></esc></pre>
Palatino Roman  Palatino Italic	<pre><esc>(<esc>(s1p12v0s0b245911 <esc>(<esc>(s1p12v0s0b24591T</esc></esc></esc></esc></pre>
Palatino Bold	<pre><esc>(<esc>(s1p12v0s0b245911 <esc>(<esc>(s1p12v0s0b24591T</esc></esc></esc></esc></pre>
Palatino Bold Italic	` ` '
	<pre><esc>(<esc>(s1p12v0s0b24591T </esc></esc></pre>
ITC Bookman Light ITC Bookman Light Italic	<pre><esc>(<esc>(s1p12v0s-3b24623T)</esc></esc></pre>
ITC Bookman Light Italic	<pre><esc>(<esc>(s1p12v1s-3b24623T) </esc></esc></pre>
ITC Bookman Demi Italic	<pre><esc>(<esc>(s1p12v0s2b24623T </esc></esc></pre>
	<pre><esc>(<esc>(s1p12v1s2b24623T </esc></esc></pre>
Helvetica Narrow Obligue	<pre><esc>(<esc>(s1p12v4s0b24580T)</esc></esc></pre>
Helvetica Narrow Oblique	<esc>(<esc>(s1p12v5s0b24580T</esc></esc>

Font Name	PCL Escape Command
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>(s1p12v0s3b24703T</esc></esc>
New Century Schoolbook Bold Italic	<esc>(<esc>(s1p12v1s3b24703T</esc></esc>
ITC Avant Garde Book	<esc>(<esc>(s1p12v0s0b24607T</esc></esc>
ITC Avant Garde Book Oblique	<esc>(<esc>(s1p12v1s0b24607T</esc></esc>
ITC Avant Garde Demi	<esc>(<esc>(s1p12v0s2b24607T</esc></esc>
ITC Avant Garde Demi Oblique	<esc>(<esc>(s1p12v1s2b24607T</esc></esc>
ITC Zapf Chancery Medium Italic	<esc>(<esc>(s1p12v1s0b45099T</esc></esc>
ITC Zapf Dingbats	<esc>(<esc>(s1p12v0s0b45101T</esc></esc>

# **PostScript**

This WorkCentre supports PS level 3 commands that enable the features listed in the following table.

Feature	Description	
Media Size	Select the physical paper (media) size. (width and height)	
Media Direction	Feed direction of paper –LEF or SEF	
Media Source	Specifies the tray to supply the job's media.	
Media Source from	Specifies the bypass tray to supply the job's media.	
Bypass Tray		
Media Color	Select the color of the media used to print a job	
Media Weight	Media weight. Unit: (gsm) gram per square-meter	
Media Class	Paper class (example: normal, thick, recycled)	
Media Type	Used to identify the type of media a job requires.	
Media Selection	Specifies immediate or deferred media selection.	
Print Mode	Specify horizontal or vertical resolution and bits per pixel.	
Duplex	Delivers two-sided output. Landscape documents read like a	
	calendar and portrait documents read like a book.	
Tumble	Deliver two-sided output (combine with Duplex) Landscape	
	documents read like a book and portrait documents read like	
	a calendar.	
Image Enhancement	Use to apply edge-smoothing to output after rendering.	
Toner Save	Specify to decrease output density to save toner.	
Halftone Screen	Specify a screen type.	
Selection		
Output Location	Output bin	
Quantity	Number of copies (max: 999)	
Collation	Collated or Uncollated	
Jog	Offsetting	
Stapling	Stapling. See details on StapleDetails.	
Punch	Specify how you Punch	
Booklet	Specify how you file	
Interleaving Paper	Insert blank sheet between OHP sheets.	
(Transparency		
Separator)		
Process Color Model	Select process color model (DeviceGray, DeviceRGB,	
	DeviceCMYK,,,)	
RGB Correction	Specify whether you apply RGB correction to color	
	conversion process	
Gray Guaranteed	Specify whether to convert RGB black (R=G=B) to pure	
	black for text and graphics objects.	
Gamma Correction	Specify gamma value for RGB color conversion	
CMYK Correction	Specify whether you apply CMYK correction to color	
1000	conversion process	
White Point	Specify White Point of Client side	
RGB Space	Specify RGB Space for RGB correction	
Brightness	Specify brightness of output color	
Separations	Specify whether multiple color separations are generated for	
0	each page of output.	
Separation Color	Specify the process colorant name.	
Names	On self-the and on of manages as leavest a second	
Separation Order	Specify the order of process colorant name.	

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Feature	Description	
Use CIE Color	Specify to apply CIE-based color space through color	
	conversion.	
Job Name		
Job Type		
(Secure Print / Proof		
Print)	No Doot Carint command for this facture, use the D.H. act	
Job Based Accounting	No PostScript command for this feature – use the PJL set command listed in the "PCL" section.	
Auditron		
Delay Print		
Banner Sheet		

# PostScript Implementation

The following table contains the PostScript commands and shows the syntax required to use the feature. Following the table are examples of commands and a PS file.

For more details about PostScript commands, refer to the *PostScript Language Reference Manual, Third Edition*, ISBN 0-201-37992-8.

# PostScript Print Features/Implementation

In the following table, default values are marked with an asterisk (\*).

Feature	Implementation	Values
Media Size	<>	[width x height] in 1/72 inch(points)
	setpagedevice	[842 1191] = A3
		[595 842] = A4
		[420 595] = A5 †
		[729 1032] = B4
		[516 729] = B5
		[792 1224] = 11 x 17
		[612 1008] = Legal (8.5 x 14)
		[612 936] = Legal 13 (8.5 x 13)
		[612 792] = Letter (8.5 x 11)
		[522 756] = Executive (7.25 x 10.5)
		[396 612] = Statement (5.5 x 8.5) †
		[576 720] = 8 x 10
		†: Whether each paper is available depends on NV memory setting.  The following paper sizes are only available with bypass tray.  [297 420] = A6 [363 516] = B6 [792 1080] = 11 x 15 [864 1296] = 12 x 18 [864 1368] = 12 x 19 [907 1274] = SRA3 [288 432] = 4 x 6
		•         •
		[360 504] = 5 x 7 [522 756] = 7.25 x 10.5
		[609 892] = 8.46 x 12.4
		[632 842] = 8.46 X 12.4
		[648 792] = A4 Cover [648 792] = 9 x 11
		[U+O 132] = 3 X I I

Feature	Implementation	Values
Media Direction	<>	Where <i>int</i> is one of the following:
	setpagedevice	0 = Short Edge; top of standard page
		1 = Long Edge; right side of standard page
		2 = Short Edge; bottom of standard page
		3 = Long Edge; left side of standard page
		null* = Auto
Media Source	<>	Where int is one of the following:
	setpagedevice	0 = Tray1
		1 = Tray2
		2 = Tray3
		3 = Tray4
		null* = Auto
Media Source	<>	Where <i>value</i> is one of the following:
from Bypass	setpagedevice	true = Feed paper from bypass tray.
		false* = Feed paper from a tray other than
		bypass tray.
Media Color	<>	Where <i>string</i> is any value.
	setpagedevice	(MediaColor does not affect a tray selection.)
Media Weight	<>	Where real is in gsm (grams per square-
	setpagedevice	meter) or null*
		(MediaWeight does not affect a tray
		selection.)
Media Class	<>	Where <i>string</i> is one of the following or null*:
	setpagedevice	fine = high quality paper
		stationary = normal paper
		stationary side2 = normal paper reverse
		recycled = recycled paper
		transparency = transparency sheet
		thick1 = thick paper 1
		thick1 [A] = thick paper 1(A)
		thick1 [B] = thick paper 1(B)
		thick1 [C] = thick paper 1(C)
		thick1 [S] = thick paper 1(S)
		thick1 finisher = thick paper 1 finisher
		thick1 finisher [A] = thick paper 1 finisher(A)
		thick1 finisher [B] = thick paper 1 finisher(B)
		thick1 finisher [C] = thick paper 1 finisher(C)
		thick1 finisher [S] = thick paper 1 finisher(S)
		thick2 = thick paper 2
		thick2 [A] = thick paper 2(A)
		thick2 [B] = thick paper 2(B) thick2 [C] = thick paper 2(C)
		thick2 [D] = thick paper 2(D)
		thick2 [S] = thick paper 2(S)
		thin1 = thin paper
		user1 = user defined paper 1
		user2 = user defined paper 2
		user3 = user defined paper 3
		user4 = user defined paper 4
		user5 = user defined paper 5
		label = label paper
		coating1 = coat paper 1
		coating1 = coat paper 1 coating1 finisher = coat paper 1 finisher
		coating2 = coat paper 2
		thick1 side2 = thick paper 1 reverse
		thick2 side2 = thick paper 2 reverse
		coating1 side2 = coat paper 1 reverse
		Coaling 1 sidez - Coal paper 1 levelse

Feature	Implementation	Values
		coating2 side2 = coat paper 2 reverse
Media Type	/MediaType (string) >	Where <i>string</i> is any value or null*.
	setpagedevice	(MediaType does not affect a tray selection.)
Media Selection	/DeferredMediaSelection value >	Where <i>value</i> is one of the following:
	setpagedevice	true* = Deferred media selection by output
		device (more powerful and flexible media
		selection).
		false = Immediate media selection by strict
		setpagedevice operator.  To select the appropriate media when using
		MediaClass / Staple / Punch feature, <i>value</i>
		must be set to true intentionally in the
		beginning of header.
Print Mode	< <td>Where combination of x, y and int1 is one of</td>	Where combination of x, y and int1 is one of
	/DeviceRenderingInfo << /Type 26	the following:
	/ValuesPerColorComponent int1 >>	x y int1 =
	>>	600 600* 2 = 600x600dpi 1bit/color
	setpagedevice	600 600 16 = 600x600dpi 4bits/color
		1200 1200 2 = 1200x1200dpi 1bit/color
Duplex	<>	Where value is one of the following:
	setpagedevice	true = Duplex
Tomalala	/Towards In control	false* = Simplex
Tumble	<>	Use this feature when Duplex is true.
	setpagedevice	Where <i>value</i> is one of the following: true = Tumble (Short edge binding Duplex)
		false* = Duplex (Long edge binding Duplex)
Image	/PostRenderingEnhance true</td <td>Where <i>int</i> is one of the following:</td>	Where <i>int</i> is one of the following:
Enhancement	/PostRenderingEnhanceDetails <<	0 = No image enhancement
	/Type 32 /REValue int >>	1* = Activate image enhancement
	  >>	
	setpagedevice	
Toner Save	< <td>Where int is one of the following:</td>	Where int is one of the following:
	/PostRenderingEnhanceDetails <<	0* = No toner saving
	/Type 32 /TonerSaver int >> >>	1 = Lighten output density, toner saving
11.16	setpagedevice	NATION OF THE PROPERTY OF THE
Halftone Screen	< <td>Where <i>int</i> is one of the following:</td>	Where <i>int</i> is one of the following:
Selection	/PostRenderingEnhanceDetails <<	0 = for text, graphics screen
	/Type 32 /EngineScreen <i>int</i> >> >> setpagedevice	1 = for photograph screen 2* = most suitable screen
Output Location	>	Where <i>string</i> is one of the following or null:
Output Location	setpagedevice	CENTER TRAY = facedown tray (top tray of
	Scipagedevice	Advanced Office or Professional (C) Finisher)
		TOP TRAY = facedown tray on the top of C
		Finisher.
		SIDE TRAY = side tray
		STACKER TRAY = finisher tray (w/ B-
		Finisher or C-Finisher)
		BOOKLET TRAY = booklet tray of
		Professional (C)-Finisher with booklet module
0 "	AL 0 : .	null* = Not specified
Quantity	<>	Where <i>value</i> is one of the following:
	setpagedevice	integer from 1 to 9999 : number of copies
Colletion	t dCallata value :	null*: Not specified
Collation	<>	Where <i>value</i> is one of the following:
	setpagedevice	true = collated false* = uncollated
log	// log int >>setnagedovice	Where <i>int</i> is one of the following:
Jog	>setpagedevice	vinere incis one or the following:

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owing:
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SheetTray
r from a tray
eetTray is not
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owing:
r from Tray1
"Media Class"
ss for the

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Feature	Implementation	Values
Process Color	<>	Where name is one of the following:
Model	setpagedevice	/DeviceGray
		/DeviceRGB (with Separations true)
		/DeviceCMYK
		/DeviceCMY (with Separations true)
		/DeviceRGBK (with Separations true)
RGB Correction	< <td>Where int is one of the following:</td>	Where int is one of the following:
	/Type 26	0 = do not correct
	/RGBCorrection int >>	1 = for photograph
	>> setpagedevice	2 = for WEB page
		3* = standard correction
		4 = for presentation document
		5 = CAD
		10 = Perceptual
		11 = Saturation
		12 = Relative colorimetric
		13 = Absolute colorimetric
Gray	< <td>Where int is one of the following:</td>	Where int is one of the following:
Guaranteed	/Type 26	0* = No gray guaranteed
	/RGBToK int >>	1 = Gray guaranteed
	>> setpagedevice	
Gamma	< <td>Where int is one of the following:</td>	Where int is one of the following:
Correction	/Type 26	0 = Do not correct
	/GammaCorrection int >>	1 = Gamma 1.0
	>> setpagedevice	2 = Gamma 1.4
	11,19,11	3* = Gamma 1.8
		4 = Gamma 2.2
		5 = Gamma 2.6
CMYK	< <td>Where int is one of the following:</td>	Where int is one of the following:
Correction	/Type 26	0* = Don't correct
00110011011	/CMYKCorrection int >>	1 = JapanColor2001 (Art)
	>> setpagedevice	2 = JapanColor2001 (Coat)
	1 0	3 = JapanColor2001 (Mat)
		4 = EuroScale (Art)
		5 = EuroScale (Coat)
		6 = EuroScale (Mat)
		7 = SWOP-Coated
WhitePoint	< <td>Where <i>int</i> is one of the following:</td>	Where <i>int</i> is one of the following:
	/Type 26	0 = 5000K (D50)
	/WhitePoint int >>	1* = 6500K (D65)
	>> setpagedevice	2 = 9300K
RGBSpace	/DeviceRenderingInfo <<</td <td>Where int is one of the following:</td>	Where int is one of the following:
Коворасс	/Type 26	0* = sRGB
	/RGBSpace int >>	1 = AdobeRGB
	>> setpagedevice	
Brightness	/DeviceRenderingInfo <<</td <td>Where int is one of the following:</td>	Where int is one of the following:
Digitaless	/Type 26	5 = Bright (+5)
	/Brightness int >>	4 = Bright (+4)
	>> setpagedevice	3 = Bright (+3)
	l soft and a second	1 2 = Bright (+2)
	- Compagnation	2 = Bright (+2) 1 = Bright (+1)
		1 = Bright (+1)
		1 = Bright (+1) 0* = Normal
		1 = Bright (+1) 0* = Normal -1 = Dark (-1)
		1 = Bright (+1) 0* = Normal -1 = Dark (-1) -2 = Dark (-2)
		1 = Bright (+1) 0* = Normal -1 = Dark (-1) -2 = Dark (-2) -3 = Dark (-3)
		1 = Bright (+1) 0* = Normal -1 = Dark (-1) -2 = Dark (-2)

Feature	Implementation	Values
Separations	/Separations value > setpagedevice	Where value is one of the following: true = Multiple color separations will be generated for each page of output. false* = All colorants will be combined into a single composite page on a single sheet of physical medium.
Separation Color Names	<> setpagedevice	Where value is an array. Legal element values are the process colorant names implied by the process color model. Valid colorant names for each process color model are like the following in case of separation DeviceCMYK = cyan, magenta, yellow, black DeviceCMY = cyan, magenta, yellow DeviceRGB = red, green, blue DeviceRGBK = red, green, blue, gray DeviceGray = gray
Separation Order	<> setpagedevice	Where <i>value</i> is an array.  Legal element values are the process colorant names implied by the process color model.
Use CIE Color	<> setpagedevice	Where value is one of the following: true = Re-map each color from device color space to device independent's CIE- based color space false* = Do not re-map color

## Sample PostScript Headers **Example 1 Header for Simple Print**

%!PS

#### **Example 2 Header for Finishing**

(Letter paper, duplex, 10 copies with collation, stapling with left-upper single and stacker tray for output bin)

Page 17

%!PS

<< /DeferredMediaSelection true >> setpagedevice

<</PageSize [612 792]>>setpagedevice

<</Duplex true /Tumble false>>setpagedevice

<</OutputType (STACKER TRAY)>>setpagedevice

<</Collate true>>setpagedevice

<</NumCopies 10>>setpagedevice

<</Staple 3 /StapleDetails << /Type 7 /Location 0 >> >>setpagedevice

Customer Support

## PostScript Feature Dependencies/Caveats

- All DSC (document structure convention) comments are ignored and not interpreted.
- Valid media sizes for duplexing are between [ 253 x 360 ] and [ 841 x 1224] (point) or all sizes that can be fed from tray1 - 4.
- Valid media sizes for stapling include A3, A4, B4, B5, 8.5 x 11, 8.5 x 13, 8.5 x 14, 11 x 17, and 8 x 10.
- Valid media classes for duplex are fine paper, stationary, recycled paper, user1-5 paper, thick paper 1, and coated paper.
- Valid media classes for staple are fine paper, stationary, recycled paper, stationary side 2, user1-5 paper, thick paper 1 finisher and coated paper 1 finisher for all finishers. For Advanced Office and Professional (C) Finisher, thick paper 1 (including A-S), thick paper 2 (including A-S), thick paper 1 reverse, thick paper 2 reverse, coated paper 1 and coated paper 1 reverse are also valid.

# PostScript Fonts

The following PostScript fonts are resident with Adobe interpreter.

Font Name	PostScript Font Name
Albertus	/AlbertusMT
Albertus Italic	/AlbertusMT-Italic
Albertus Light	/AlbertusMT-Light
Antique Olive Roman	/AntiqueOlive-Roman
Antique Olive Italic	/AntiqueOlive-Italic
Antique Olive Bold	/AntiqueOlive-Bold
Antique Olive Compact	/AntiqueOlive-Compact
Apple Chancery	/Apple-Chancery
Arial	/ArialMT
Arial Italic	/Arial-ItalicMT
Arial Bold	/Arial-BoldMT
Arial Bold Italic	/Arial-BoldItalicMT
ITC Avant Garde Gothic Book	/AvantGarde-Book
ITC Avant Garde Gothic Book Oblique	/AvantGarde-BookOblique
ITC Avant Garde Gothic Demi	/AvantGarde-Demi
ITC Avant Garde Gothic Demi Oblique	/AvantGarde-DemiOblique
Bodoni Roman	/Bodoni
Bodoni Italic	/Bodoni-Italic
Bodoni Bold	/Bodoni-Bold
Bodoni Bold Italic	/Bodoni-BoldItalic
Bodoni Poster	/Bodoni-Poster
Bodoni Poster Compressed	/Bodoni-PosterCompressed
ITC Bookman Light	/Bookman-Light
ITC Bookman Light Italic	/Bookman-LightItalic
ITC Bookman Demi	/Bookman-Demi
ITC Bookman Demi Italic	/Bookman-Demiltalic
Carta	/Carta
Chicago	/Chicago
Clarendon Roman	/Clarendon
Clarendon Bold	/Clarendon-Bold
Clarendon Light	/Clarendon-Ligh
Cooper Black	/CooperBlack
Cooper Black Italic	/CooperBlack-Italic
Copperplate Gothic 32BC	/Copperplate-ThirtyTwoBC
Copperplate Gothic 33BC	/Copperplate-ThirtyThreeBC
Coronet	/Coronet-Regular

Font Name	PostScript Font Name
Courier	/Courier
Courier Oblique	/Courier-Oblique
Courier Bold	/Courier-Bold
Courier Bold Oblique	/Courier-BoldOblique
Eurostile Medium	/Eurostile
Eurostile Bold	/Eurostile-Bold
Eurostile Extended No. 2	/Eurostile-ExtendedTwo
Eurostile Bold Extended No. 2	/Eurostile-BoldExtendedTwo
Geneva	/Geneva
Gill Sans	/GillSans
Gill Sans Italic	/GillSans-Italic
Gill Sans Bold	/GillSans-Bold
Gill Sans Bold Italic	/GillSans-BoldItalic
Gill Sans Light	/GillSans-Light
Gill Sans Light Italic	/GillSans-LightItalic
Gill Sans Extra Bold	/GillSans-ExtraBold
Gill Sans Condensed	/GillSans-Condensed
Gill Sans Condensed Bold	/GillSans-BoldCondensed
Goudy Oldstyle	/Goudy
Goudy Oldstyle Italic	/Goudy-Italic
Goudy Bold	/Goudy-Bold
Goudy Bold Italic	/Goudy-BoldItalic
Goudy Extra Bold	/Goudy-ExtraBold
Helvetica Helvetica	/Helvetica
Helvetica Oblique	/Helvetica-Oblique
Helvetica Bold	/Helvetica-Bold
Helvetica Bold Oblique	/Helvetica-BoldOblique
Helvetica Narrow	/Helvetica-Narrow
Helvetica Narrow Oblique	/Helvetica-Narrow-Oblique
Helvetica Narrow Bold	/Helvetica-Narrow-Bold
Helvetica Narrow Bold Oblique	/Helvetica-Narrow-BoldOblique
Helvetica Condensed	/Helvetica-Condensed
Helvetica Condensed Oblique	/Helvetica-Condensed-Oblique
Helvetica Condensed Bold	/Helvetica-Condensed-Bold
Helvetica Condensed Bold Oblique	/Helvetica-Condensed-BoldObl
Hoefler Text	/HoeflerText-Regular
Hoefler Text Italic	/HoeflerText-Italic
Hoefler Text Black	/HoeflerText-Black
Hoefler Text Black Italic	/HoeflerText-BlackItalic
Hoefler Ornaments	/HoeflerText-Ornaments
Joanna	/JoannaMT
Joanna Italic	/JoannaMT-Italic
Joanna Bold	/JoannaMT-Bold
Joanna Bold Italic	/JoannaMT-BoldItalic
Letter Gothic	/LetterGothic
Letter Gothic Slanted	/LetterGothic-Slanted
Letter Gothic Bold	/LetterGothic-Bold
Letter Gothic Bold Slanted	/LetterGothic-BoldSlanted
ITC Lubalin Graph Book	/LubalinGraph-Book
ITC Lubalin Graph Book Oblique	/LubalinGraph-BookOblique
ITC Lubalin Graph Demi	/LubalinGraph-Demi
ITC Lubalin Graph Demi Oblique	/LubalinGraph-DemiOblique
Marigold	/Marigold
Monaco	/Monaco
ITC Mona Lisa Recut	/MonaLisa-Recut
o mona zioa noodi	/ITIOTIQEIOG TOOGE

Font Name	PostScript Font Name
New Century Schoolbook Roman	/NewCenturySchlbk-Roman
New Century Schoolbook Italic	/NewCenturySchlbk-Italic
New Century Schoolbook Bold	/NewCenturySchlbk-Bold
New Century Schoolbook Bold Italic	/NewCenturySchlbk-BoldItalic
NewYork	/NewYork
OCR-B Letterpress M	/OCRBLetM
Optima Roman	/Optima
Optima Italic	/Optima-Italic
Optima Bold	/Optima-Raile /Optima-Bold
Optima Bold Italic	/Optima-Bold /Optima-BoldItalic
Oxford	/Oxford
Palatino Roman	/Palatino-Roman
Palatino Italic	/Palatino-Italic
Palatino Bold	/Palatino-Bold
Palatino Bold Italic	/Palatino-BoldItalic
Stempel Garamond Roman	/StempelGaramond-Roman
Stempel Garamond Italic	/StempelGaramond-Italic
Stempel Garamond Bold	/StempelGaramond-Bold
Stempel Garamond Bold Italic	/StempelGaramond-BoldItalic
Symbol Symbol	/Symbol
Tekton Regular	/Tekton
Times Roman	/Times-Roman
Times Italic	/Times-Italic
Times Bold	/Times-halic
Times Bold Italic	/Times-BoldItalic
Times New Roman	/TimesNewRomanPSMT
Times New Roman Italic	/TimesNewRomanPS-ItalicMT
Times New Roman Bold	/TimesNewRomanPS-BoldMT
Times New Roman Bold Italic	/TimesNewRomanPS-BoldItalicMT
Univers 45 Light	/Univers-Light
Univers 45 Light Oblique	/Univers-LightOblique
Univers 55	/Univers
Univers 55 Oblique	/Univers-Oblique
Univers 65 Bold	/Univers-Bold
Univers 65 Bold Oblique	/Univers-BoldOblique
Univers 57 Condensed	/Univers-Condensed
Univers 57 Condensed Oblique	/Univers-CondensedOblique
Univers 67 Condensed Bold	/Univers-CondensedBold
Univers 67 Condensed Bold Oblique	/Univers-CondensedBoldOblique
Univers 53 Extended	/Univers-Extended
Univers 53 Extended Oblique	/Univers-ExtendedObl
Univers 63 Extended Bold	/Univers-BoldExt
Univers 63 Extended Bold Oblique	/Univers-BoldExtObl
Wingdings	/Wingdings-Regular
ITC Zapf Chancery Medium Italic	/ZapfChancery-MediumItalic
ITC Zapf Dingbat	/ZapfDingbats
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# **Additional Information**

Xerox Customer Support welcomes feedback on all documentation - send feedback via e-mail to: USA.DSSC.Doc.Feedback@mc.usa.xerox.com.

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: http://www.office.xerox.com/support/dctips/dctips.html.

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