

PDL Reference Guide for the Xerox Phaser 46xx Series Customer Tip



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Accessing Extended Features

Overview

This document describes how to access the extended features of the Phaser 4600/4620 in environments for which Xerox does not make 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 tables are also included:

- features supported by the Phaser 4600/4620
- commands to use in a PCL print job
- commands to use in a PS print job

This document is not intended as a PS or PCL reference manual, but a guide for using the extended features in PS, PCL or ASCII print jobs.

Using this Guide

1. Refer to the Feature List for the feature you wish to implement. Select the page number to jump to that page.
2. Follow the syntax listed for the command you selected. Read the "Dependencies/Caveats" section. You can access features using several methods:
 - PCL or PS commands
 - PJI SET commands
 - Xerox specific COMMENT command.

Feature Listing

PCL and ASCII print jobs can use PJI commands or PCL commands to access the attributes of the device. If there is more than one method listed to access a specific feature, determine the best method for your application and use that method.

PostScript print jobs use PS commands. If there is more than one method listed to access a specific feature, determine the best method for your application and use that method.

Getting Started

PCL and ASCII print jobs can use PJI commands or PCL commands to access the attributes of the device. If there is more than one method listed to access a specific feature, determine the best method for your application and use that method.

Comment Commands

To process all PJI COMMENT commands, enclose them with XRBegin and XREnd commands.

Example PCL or ASCII print job:

```
@PJI COMMENT XRBegin
@PJI COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
@PJI COMMENT XREnd
```

Example PS print job:

```
%%XRBegin
%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
%%XREnd
```

- The first parameter of the command is an attribute followed by a value.
- Comment commands must end with a semicolon except for the XRBegin and XREnd commands.
- A comment command not enclosed by XRBegin and XREnd is NOT a Xerox specific command and is treated as a real comment with no functional attachment to its contents.
- The comment commands are specific to the Phaser 4600/4620 Series.

PJI SET Commands

PJI SET commands are available for some features. If you choose to use these commands, do not enclose them with the XRBegin and XREnd commands.

PJI SET commands do not require a semicolon at the end of the command line.

PCL Commands

PCL commands are available for some features. If you choose to use these commands do not enclose them with the XRBegin and XREnd commands. Refer to a PCL reference manual for more specific information regarding PCL commands.

PS Commands

PS commands are for some features. If you choose to use these commands, do not enclose them with the XRBegin and XREnd commands. Refer to a PS reference manual for more specific information regarding PS commands.

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XRXBegin
When the interpreter receives this command it begins to parse PJL COMMENT commands to check for Xerox-specific commands until it receives the command to stop parsing.
PJL COMMENT Command
@PJL COMMENT XRXbegin

XRXEnd
When the interpreter receives this command it stops parsing PJL COMMENT commands.
PJL COMMENT Command
@PJL COMMENT XRXend

General Commands

Job Name
The value for Job Name is stored for printing on the banner page.
PJL COMMENT Command
@PJL COMMENT JOB NAME=" string ";
Where string is a maximum of 40 characters. This appears as the first item on the banner sheet.

Job Owner
The value for Job Owner is stored for printing on the banner page.
PJL COMMENT Command
@PJL COMMENT OID_ATT_JOB_OWNER " string ";
Where string is a maximum of 40 characters. This appears as the second item on the banner sheet.

	Copies		
	Use this command to specify the number of non-collated sets of a document in a print job. With COPIES specified, the device renders X number of copies of page 1 of the document, X number of copies of page 2, and so on. Use the COLLATION command in conjunction with the COPIES command to set a collate value.		
PJL SET	PCL Cmd	PCLXL/6	PS Cmd
@PJL SET COPIES= int ;	Esc& int X	uint16 int ubyte pagecopies	<</NumCopies int >>
	Where int is 1 to 9999.		

Delay Print
Delays printing a job until the time specified by the command.
PJL COMMENT Command
@PJL COMMENT OID_ATT_JOB_PRINT_AFTER "yyyymmddhhmmss";
Where yyyy =year, mm =month, dd =day, hh =hours, mm =minutes, ss =seconds (always 00) The default delay time is midnight, 00:00:00

Saved Job
Saves a job to the device hard drive in a public folder named "Public"
PJL COMMENT Command
@PJL COMMENT OID_ATT_SAVE_DISPOSITION OID_VAL_SAVE_DISPOSITION_SAVE_ONLY;
Use the command @PJL JOB NAME = "job_name" to specify the name of the saved job. If this command is not used the default name is the name of the print job.

Save and Print Job
Prints the job and saves a copy of the job to the device hard drive in a public folder named "Public"
PJL COMMENT Command
@PJL COMMENT OID_ATT_SAVE_DISPOSITION OID_VAL_SAVE_DISPOSITION_PRINT_SAVE;

Banner Sheet (Start Sheet)	
This command turns on/off the banner sheet that prints at the beginning of every job. It only applies to the job that contains the command; it does not affect any other jobs. If the device is configured to disable banner sheets, this command is ignored.	
PJL COMMENT Command	
@PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_ " string ";	
Where string is:	
NONE	Do not create a banner sheet for this job.
FULL	Create a banner sheet for this job. By default, if the START SHEET comment is not included a banner sheet is generated unless the device has banner sheet disabled.

Media Commands

	Media Source		
	This command specifies the tray to supply the job's media. These are PCL commands rather than PJL commands. Insert this command within the PCL portion of the print job.		
	PS Cmd	featurebegin{ %%BeginFeature: *InputSlot string << (string) xerox\$MediaInputTray >> setpagedevice }featurecleanup where string is from the table below.	
	PCL5 Cmd	<Esc>&l#H where # is the number assigned to the selection.	
	PCL XL/6	ubyte ## attr_ubyte MediaSource Tray 1 example: 0xc0 0x04 0xf8 0x26 where ## is the hex number assigned to each selection.	
Tray location	PS Cmd	PCL5	PCL XL/6
	automatic	<Esc>&l7H	0x01
Tray 1 (Bypass)	tray-1	<Esc>&l4H	0x04
Tray 2	tray-2	<Esc>&l1H	0x05
Tray 3	tray-3	<Esc>&l5H	0x07
Tray 4	tray-4	<Esc>&l8H	0x08
Tray 5	tray-5	<Esc>&l21H	0x0A
Tray 6	tray-6	<Esc>&l22H	0x09
If an optional Hi-capacity Feeder (HCF) is used, the tray location is the tray position it is in. If the device is a three tray configuration with a HCF, the HCF is tray 3.			

PJL command for remapping trays for PCL

```
%-12345X@PJL
@PJL DEFAULT LPARM:PCL XPCLPAPERSRCX = #
%-12345X
```

Where X is the tray mapping number from the application and # is the 4600/4620 value as shown above.

Example: to remap I23H to tray 3 use the following command:

```
%-12345X@PJL
@PJL DEFAULT LPARM:PCL XPCLPAPERSRC23 = 5
%-12345X
```

PJL command for resetting the PCL tray mappings to factory default values

The PCL tray logic can be set back to factory default without resetting NVRAM. If the “y” parameter is set “99” in the @PJL DEFAULT LPARM:PCL XPCLPAPERSRCx = y command structure, it will set the printer default for that tray back to the default tray mapping parameter. Using the example above, the following PJL command syntax would set the PCL command of “5” back to “current tray”.

```
<esc>%-12345X@PJL
@PJL DEFAULT LPARM:PCL XPCLPAPERSRC5 = 99
<esc>%-12345X
```

Warning: Changing the device's default mapping may cause issues when trying to select a paper tray with the PCL 5 driver.

Media Size							
This command specifies the size of media on which to print the job. These are PCL commands rather than PJI commands. Insert a media size command within the PCL portion of the print job.							
PCL5 Cmd				PS Cmd			
<esc> &l <i>int</i> A				<</PageSize [<i>width height</i>] /CustomPageSize false >> setpagedevice			
Where <i>int</i> is the number from the table below.				Where <i>width</i> and <i>height</i> (<i>w h</i>) are the numbers from the table below.			
PCL6 Cmd							
Defined Paper Size (Single number)				ubyte_array ubyte ## <i>string</i> attr_ubyte MediaSize example: 0xc8 0xc0 ## <i>string</i> 0xf8 0x25 where ## <i>string</i> is from the table below.			
Media Sizes	PCL5 <i>int</i>	PCL6 ## <i>String</i>	PS (<i>w h</i>) <i>Points</i>	Media Sizes	PCL5 <i>int</i>	PCL6 ## <i>String</i>	PS (<i>w h</i>) <i>Points</i>
Letter 8.5 x 11" (216 x 279 mm)	2	0x06 LETTER	612 X 792	Statement 5.5 x 8.5"	15	0x09 STATEMENT	396 x 612
Legal 8.5 x 14" (216 x 356 mm)	3	0x05 LEGAL	612 X 1008	Executive 7.25 x 10.5" (184 x 266 mm)	1	0x04 EXEC	522 x 756
3 x 5 Index (76 x 127mm)	78	0x03 3X5	216 x 360	Foolscap, Euroletter, US Folio 8.5 x 13" (215 x 330 mm)	18	0x06 8.5X13	612 x 936
A4 (210 x 297 mm)	26	0x02 A4	595 x 842	Postcard 4 x 6" (101 x 152 mm)	74	0x03 4X6	288 x 432
A5 (148 x 210 mm)	25	0x02 A5	420 x 595	Postcard Hagaki (100 x 148 mm)	71	0x05 JPOST	284 x 420
A6 (105 x 148 mm)	24	0x02 A6	297 x 420	Oficio 8.5 x 13.5" (216 x 343 mm)	134	0x11 sa- 216x343-oficio	612 x 972
JIS B5 (182 x 257 mm)	45	0x06 JIS B5	516 x 729	ISO B5 (176 x 250 mm)	100	0x06 ISO B5	499 x 709
Envelope Sizes	PCL5 <i>Int</i>	PCL6 <i>int</i>	PS (<i>W H</i>) <i>Points</i>	Envelope Sizes	PCL5 <i>Int</i>	PCL6 <i>int</i>	PS (<i>W H</i>) <i>Points</i>
C6 Envelope (114 x 162 mm)	92	0x02 C6	323 x 459	C5 Envelope (162 x 229 mm)	91	0x02 C5	459 x 649
#10 Envelope 4.125" x 9.5"	81	0x05 COM10	297 x 684	DL Envelope (110 x 220mm)	90	0x02 DL	312 x 624
Monarch Envelope 3.875" x 7.5"	80	0x07 MONARCH	279 x 540				

NOTE: When sending a job with a media size, there must be a MEDIA COLOUR “Unspecified” and MEDIA TYPE “Unspecified” PJI COMMENT command issued in the PDL.

Custom Media Sizes	
This command specifies the custom media size on which to print the job. Insert a media size command within the PCL portion of the print job.	
PS Cmd	<</PageSize [<i>width height</i>] /CustomPageSize true >> setpagedevice
PCL5 Cmd	[Esc]&f####I [Esc]&f####J [Esc]&l101A where #### is the physical dimension of the paper in 720ths of an inch.
PCL6	uint16_xy <i>x y</i> attr_ubyte CustomMediaSize ubyte eTenthsOfAMillimeter attr_ubyte CustomMediaSizeUnits ISO B6 example: 0xd1 0xe2 0x04 0xe0 0x06 0xf8 0x2f 0xc0 0x02 0xf8 0x30 where <i>x</i> is the width (1/10mm) in hex (lsb, msb) and <i>y</i> is the length (1/10mm) in hex (lsb, msb)

Media Type		
Media types are used to distinguish the type of media a job requires. If using the Media Source command, set the Media Type command to Unspecified.		
PS Cmd	<</MediaType (<i>string</i>) >> setpagedevice	
PCL5 Cmd	<Esc>&n#Wd <i>string</i> where # is the length of string+1 and string from the table below	
PCL6	ubyte_array uint16 ## ## <i>string</i> attr_ubyte MediaType Example: 0xc8 0xc1 0x0C 0x00 <i>transparency</i> 0xf8 0x27 where ## ## is the length of the string in hex (lsb, msb), and the string from the table below.	
<i>PS String Value</i>	<i>PCL5 Cmd</i>	<i>PCL6 Hexadecimal and String</i>
system-default	<Esc>&n15 Wdsystem-default	0x0E system-default
use-ready	<Esc>&n10 Wduse-ready	0x09 0x00 use-ready
stationery-lightweight	<Esc>&n23 Wdstationery-lightweight	0x16 0x00 stationery-lightweight
stationery	<Esc>&n11 Wdstationery	0x0A 0x00 stationery
stationery-heavyweight	<Esc>&n23 Wdstationery-heavyweight	0x16 0x00 stationery-heavyweight
transparency	<Esc>&n13 Wdtransparency	0x0C 0x00 transparency
cardstock	<Esc>&n10 Wdcardstock	0x09 0x00 cardstock
archival	<Esc>&n9 Wdarchival	0x08 archival
envelope	<Esc>&n9 Wdenvelope	0x08 0x00 envelope
labels	<Esc>&n7 Wdlabels	0x06 0x00 labels
stationery-letterhead	<Esc>&n22 Wdstationery-letterhead	0x15 0x00 stationery-letterhead
stationery-recycled	<Esc>&n20 Wdstationery-recycled	0x13 0x00 stationery-recycled
other	<Esc>&n6 Wdothier	0x05 0x00 other
stationery-pre-printed	<Esc>&n23 Wdstationery-pre-printed	0x16 0x00 stationery-pre-printed
stationery-pre-punched	<Esc>&n23 Wdstationery-pre-punched	0x16 0x00 stationery-pre-punched
bond	<Esc>&n5 Wdbond	0x04 0x00 bond
custom1	<Esc>&n8 Wdcustom1	0x07 custom1
Custom2	<Esc>&n8 Wdcustom2	0x07 custom2

Custom3	<Esc>&n8Wdcustom3	0x07 custom3
Custom4	<Esc>&n8Wdcustom4	0x07 custom4
Custom5	<Esc>&n8Wdcustom5	0x07 custom5
Custom6	<Esc>&n8Wdcustom6	0x07 custom6
Custom7	<Esc>&n8Wdcustom7	0x07 custom7

Media Color		
Use this command to indicate the color of the media used to print a job. The strings are case sensitive with the first letter capitalized and the rest lower-case. When using a Media Source command, issue a Media Type command set to Unspecified.		
PS Cmd	<</MediaColor (<i>string</i>) >> setpagedevice	
PCL5 Cmd	<Esc>&n#W <i>estring</i> where # is the length of string+1; and <i>string</i> from the table below	
PCL XL/6	ubyte_array uint16 ## ## <i>string</i> attr_ubyte MediaColor Example: 0xc8 0xc1 0x20 0x00 <media-color>white</media-color> 0xf8 0x81 0x47 where ## ## is the length of the string in hex (lsb, msb), and the <i>string</i> from the table below.	
PS String Value	PCL5 Cmd	PCL XL/6 Hexadecimal and String
use-ready	<Esc>&n10Wxuse-ready	0x24 0x00 <media-color>use-ready</media-color>
white	<Esc>&n6Wxwhite	0x20 0x00 <media-color>white</media-color>
blue	<Esc>&n6Wxblue	0x20 0x00 <media-color>blue</media-color>
yellow	<Esc>&n7Wxyellow	0x21 0x00 <media-color>yellow</media-color>
green	<Esc>&n6Wxgreen	0x20 0x00 <media-color>green</media-color>
pink	<Esc>&n5Wxpink	0x1F 0x00 <media-color>pink</media-color>
no-color	<Esc>&n9Wxno-color	0x23 0x00 <media-color>no-color</media-color>
ivory	<Esc>&n6Wxivory	0x20 0x00 <media-color>ivory</media-color>
gray	<Esc>&n5Wxgray	0x1F 0x00 <media-color>gray</media-color>
buff	<Esc>&n5Wxbuff	0x1F 0x00 <media-color>buff</media-color>
goldenrod	<Esc>&n10Wxgoldenrod	0x24 0x00 <media-color>goldenrod</media-color>
red	<Esc>&n4Wxred	0x1E 0x00 <media-color>red</media-color>
orange	<Esc>&n7Wxorange	0x21 0x00 <media-color>orange</media-color>
other	<Esc>&n6Wxother	0x20 0x00 <media-color>other</media-color>
custom1	<Esc>&n8Wxcustom1	0x22 0x00 <media-color>custom1</media-color>
custom2	<Esc>&n8Wxcustom2	0x22 0x00 <media-color>custom2</media-color>
custom3	<Esc>&n8Wxcustom3	0x22 0x00 <media-color>custom3</media-color>
custom4	<Esc>&n8Wxcustom4	0x22 0x00 <media-color>custom4</media-color>
custom5	<Esc>&n8Wxcustom5	0x22 0x00 <media-color>custom5</media-color>
Custom6	<Esc>&n8Wxcustom6	0x22 0x00 <media-color>custom6</media-color>
Custom7	<Esc>&n8Wxcustom7	0x22 0x00 <media-color>custom7</media-color>

Formatting Commands

Collation	
This attribute controls the collation status of the output. COLLATE results in sets of pages, for example two copies of a 3-page job results in pages 1 through 3 printed, then pages 1 through 3 printed again. NO_PAGE COLLATE results in page 1 printing twice, page 2 printing twice and page 3 printing twice.	
PJL COMMENT Command	PS Set Page
@PJL COMMENT OID_ATT_OUTPUT <i>string</i> ;	/Collate true /Collate false
Where <i>string</i> is one of the following: OID_VAL_OUTPUT_PAGE_COLLATE OID_VAL_OUTPUT_NO_PAGE_COLLATE	

Binding
BINDING defines along which edge a duplex page is flipped. In portrait orientation, LONGEDGE binding indicate pages turn as in a book, SHORTEdge binding indicates pages turn as those in a flip chart. In printing/graphic arts nomenclature, SHORTEdge is analogous to DUPLEX TUMBLE. BINDING is ignored if the document is simplex.
PJL SET
@PJL SET BINDING= <i>string</i>
Where <i>string</i> is: SHORTEdge LONGEDGE

Simplex / Duplex Printing				
This command specifies if a job is to print on one side or both sides of the sheet. Choose one of the methods below for indicating this feature.				
PS Cmd	See commands in table below			
PCL5 Cmd	<Esc>&l#S where # is the number assigned to the selection			
PCL XL/6	See commands in table below			
	PostScript	PCL5	PCL XL/6	
one-sided	/Duplex false /Tumble false	<Esc>&l0S	0xc0 0x00 0xf8 0x34 [ubyte eSimplexFrontSide attr_ubyte SimplexPageMode]	
two-sided-long-edge	/Duplex true /Tumble false	<Esc>&l1S	Portrait	0xc0 0x00 0xf8 0x35 [ubyte eDuplexHorizontalBinding attr_ubyte DuplexPageMode]
			Landscape	0xc0 0x01 0xf8 0x35 [ubyte eDuplexVerticalBinding attr_ubyte DuplexPageMode]
two-sided-short-edge	/Duplex true /Tumble true	<Esc>&l2S	Portrait	0xc0 0x01 0xf8 0x35 [ubyte eDuplex VerticalBinding attr_ubyte DuplexPageMode]
			Landscape	0xc0 0x00 0xf8 0x35 [ubyte

				eDuplexHorizontalBinding attr_ubyte DuplexPageMode]
--	--	--	--	--

Finishing Commands

Offset	
This feature provides a physical offset of hard copy that distinguishes between sets or stacks within a job.	
PJL SET Cmd	PS Cmd
@PJL SET JOBOFFSET= <i>string</i>	<</Jog <i>int</i> >>
Where <i>string</i> is: ON OFF	Where <i>int</i> is: 0 = no offset 3 = offset each set

Output Destination			
Indicates the output bin where the print job is sent.			
Tray	PS Set Page	PJL Command	PCL5e / PCL6 Cmds
Top Tray Note: w/ Finisher	Use PJL commands	@PJL SET MULTIBINMODE=MAILBOX @PJL SET OUTBIN=Bin 2	&I2G
Main Tray	Use PJL commands	@PJL SET MULTIBINMODE=MAILBOX @PJL SET OUTBIN=Bin 1	&I1G
Bin 1 Note: w/ Mailbox	Use PJL commands	@PJL SET MULTIBINMODE=MAILBOX @PJL SET OUTBIN=Bin 2	&I2G
Bin 2 Note: w/ Mailbox	Use PJL commands	@PJL SET MULTIBINMODE=MAILBOX @PJL SET OUTBIN=Bin 3	&I3G
Bin 3 Note: w/ Mailbox	Use PJL commands	@PJL SET MULTIBINMODE=MAILBOX @PJL SET OUTBIN=Bin 4	&I4G
Bin 4 Note: w/ Mailbox	Use PJL commands	@PJL SET MULTIBINMODE=MAILBOX @PJL SET OUTBIN=Bin 5	&I5G
Automatically Select	Use PJL commands	@PJL SET MULTIBINMODE=STACKING	&I0G

Note: the PJL commands for output destination are case sensitive.

Staple	
This command indicates use and location of staple(s).	
PJL COMMENT Command	PS SET Page
@PJL COMMENT XRXSTAPLE= <i>string</i> ;	/Staple <i>int</i> /StapleDetails<</Type 1 /StapleLocation(" <i>string</i> ")
Where <i>string</i> is: PORTRAIT LANDSCAPE	Where <i>int</i> is: 0 = No Staple 3 = Staple at end of set Where <i>string</i> is: SinglePortrait SingleLandscape

Image Quality Commands

Print Quality	
This command sets the resolution value.	
PS Command	<pre><</PostRenderingEnhance true /PostRenderingEnhanceDetails currentpagedevice 1 index get 1 dict copy dup /Type 33 put dup /OutputMode (string) put >> setpagedevice</pre> where string is one of the following. toner-saver standard enhanced

Print Job Accounting Commands

Network Accounting	
Allows User ID data to be sent with job for the purposes of Job-based accounting.	
PJL COMMENT Cmd	
@PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_USERID,xxxx"	
Where xxxx is actual User ID entered by user.	
Allows Account ID data to be sent with job for the purposes of Job-based accounting.	
PJL COMMENT Cmd	
@PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_ACCTID,yyyy1"	
Where yyyy is actual Account ID entered by user.	

Cover Commands

Front Cover Only	
This command specifies a job has a front (only) cover sheet and whether the cover sheet is imaged (TRUE) or blank (FALSE).	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRST_PAGE_IMAGED " String ";	%%OID_ATT_FIRST_PAGE_IMAGED " String ";
Where string is: TRUE FALSE	

Front Cover Only Media Color
This command indicates the first page of a job is to print on media of a specified color. Requires that <code>OID_ATT_FIRST_PAGE_IMAGED</code> is also used.
PJL COMMENT Cmd
@PJL COMMENT <code>OID_ATT_FIRST_PAGE_MEDIA_COLOR</code> " <i>string</i> ";
See Media Color Section for accepted <i>string</i> values.

Front Cover Only Media Size
This command indicates the first page of a job is to print on media of a specified size. Requires that <code>OID_ATT_FIRST_PAGE_IMAGED</code> is also used.
PJL COMMENT Cmd
@PJL COMMENT <code>OID_ATT_FIRST_PAGE_MEDIA_SIZE</code> " <i>mm mm</i> ";
Where <i>mm mm</i> is one of the metric sizes listed in the MEDIA SIZE table.

Front Cover Only Media Type
This command indicates the first page of a job is to print on media of a specified type. Requires that <code>OID_ATT_FIRST_PAGE_IMAGED</code> is also used.
PJL COMMENT Cmd
@PJL COMMENT <code>OID_ATT_FIRST_PAGE_MEDIA_TYPE</code> " <i>string</i> ";
See Media Type Section for accepted <i>string</i> values.

Front And Back Cover
This command indicates the first and last pages of a job are covers. Do not use this command in conjunction with the <code>FIRST_PAGE_IMAGED</code> .
PJL COMMENT Cmd
@PJL COMMENT <code>OID_ATT_FIRSTLAST_PAGE_IMAGED</code> " <i>string</i> ";
Where <i>string</i> is: TRUE FALSE

Front And Back Cover Media Color
This command indicates the first and last page of a job is to print on media of a specified color. Requires that <code>OID_ATT_FIRSTLAST_PAGE_IMAGED</code> is also used.
PJL COMMENT Cmd
@PJL COMMENT <code>OID_ATT_FIRSTLAST_PAGE_MEDIA_COLOR</code> " <i>string</i> ";
See Media Color Section for accepted <i>string</i> values.

Front And Back Cover Media Size
Overrides the document's media size for the first and last sheet. Requires OID_ATT_FIRSTLAST_PAGE_IMAGED to be used also.
PJL COMMENT Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_SIZE " <i>mm mm</i> ";
Where <i>mm mm</i> is one of the metric sizes listed in the MEDIA SIZE table.

Front And Back Cover Media Type
Overrides the document's media type for the first and last sheet. Requires OID_ATT_FIRSTLAST_PAGE_IMAGED to be used also.
PJL COMMENT Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_TYPE " <i>string</i> ";
See Media Type Section for accepted <i>string</i> values.

Interleave (transparency separator)
This command identifies the type of page to insert between sets.
PJL COMMENT Cmd
@PJL COMMENT OID_ATT_INTERLEAVE OID_VAL_INTERLEAVE_ <i>string</i> ;
Where <i>string</i> is one of the following: NONE BLANK IMAGED

Interleave Media Color
This command identifies the color of the interleaved pages.
PJL COMMENT Cmd
@PJL COMMENT OID_ATT_INTERLEAVE_COLOR " <i>string</i> ";
See Media Color Section for accepted <i>string</i> values.

PJL/PCL Dependencies/Caveats

- Locate all PJL commands in the first 64KB 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 them in the order you wish them executed.
For example, print 5 copies (<ESC>&15X) and use letter size (<ESC>&12A) is combined as: <ESC>&15x2A
- In case of duplicate commands, the last one requested takes precedence.
- The @PJL SET COPIES takes precedence over the PCL Escape Command (<ESC> & 1 int X>) to determine number of copies. In general, a PJL command takes precedence over a PCL command.

- When printing a job with an odd number of pages and duplex front and back imaged covers, the printer always prints on both sides of the front and back covers. The remaining pages are printed on the document body media type and color with a blank page inserted to allow an image on both sides of the back cover.
- 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 assumes the cover media size is the same as the document body.
- Use one of the following methods to specify media selection:
 - Describe the media attributes with size, color, and type and allow the device to select the matching source tray. If the media description method is used, leave source tray selection out of the request or set to Auto. If not, the tray selection defeats the auto tray selection capabilities of the device.
 - Indicate the tray to supply media. If the source tray method is used, the system automatically defaults paper type to the defined SYSTEM DEFAULT unless specified otherwise. This prevents inadvertent use of special paper types. To override, include a paper type specification of UNSPECIFIED in the job.

PS Dependencies/Caveats

- The following media sizes do not print duplex and do not support staple commands: A6, B6, 5 x 7" Postcard (4.5 x 6"), envelopes and any custom sized media where the page width is less than 5.5". A request to duplex or staple these media sizes is ignored.
- Jobs that indicate Transparencies, Labels, Envelopes or Tab-Stock do not support duplex commands. The duplex print request is ignored when any of these media types are used.
- When printing an odd number of pages in a document with duplex front and back imaged covers, the printer always prints on both sides of the front and back covers. The remaining pages print on the document body media type and color with a blank page inserted to allow an image on both sides of the back cover.
- 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 assumes the cover media size as that of the document body.
- Use one of the following methods to specify media selection:
 - Describing the media attributes with size, color, and type and allowing the device to select the matching source tray. If the media description method is used, leave source tray selection out of the request or specifically set to Auto. Otherwise, the tray selection defeats the auto tray selection capabilities of the device.
 - Specifically indicate the tray to feed from. If the source tray method is used, the system automatically defaults paper type to the defined SYSTEM DEFAULT unless specified otherwise. This occurs to prevent inadvertent use of special paper types. To override, include a paper type specification of UNSPECIFIED in the job.

Examples

Basic PCL/PJL Template

This section illustrates a standard PCL template example that is used to access general print features. This example lists each feature and the syntax, both PCL commands and PJL, required to use these features.

Note: This section is only an example that may include features and commands that do not exist for this product.

Section 1 (Opening Command, Required for all files)

```
<ESC>%-12345X@PJL JOB
```

Section 2 (PJL Set Commands)

```
@PJL SET RESOLUTION=600
```

```
@PJL SET COPIES=1
```

```
@PJL SET DENSITY=4
```

Note:

This print job specifies the following items:

- Job owner
- Job name
- Heavyweight
- Green paper
- 1 staple
- Sample set
- Draft mode

Note:

The quotations in the Job Name and Job Owner lines are required.

@PJL SET JOBOFFSET=ON

Section 3 (XRXbegin – Opening Comment Statement, Required)

@PJL COMMENT XRXbegin

Section 4 (PJL Comments)

```
@PJL COMMENT OID_ATT_JOB_NAME "Readme.txt";
@PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
@PJL COMMENT OID_ATT_JOB_OWNER "John Smith";
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PRINT;
@PJL COMMENT OID_ATT_DEFAULT_MEDIUM_TYPE "Cardstock";
@PJL COMMENT OID_ATT_DEFAULT_MEDIUM_COLOUR "Green";
@PJL COMMENT OID_ATT_PRINT_QUALITY OID_VAL_PRINT_QUALITY_DRAFT;
@PJL COMMENT OID_ATT_FINISHING OID_VAL_FINISHING_STAPLE;
@PJL COMMENT XRXSTAPLE=PORTRAIT;
"6.15.0.128.95.124.157.20.0.1.11.4";
```

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

[Document or Text to print inserted here]

```
_ %1BINWU0PW0,0PW0,1UL1,60,40UL2,12.5,12.5,12.5,12.5,12.5,12.5,12.5,12.5UL3,
40,25,10,25UL4,35,15,10,15,10,15LT0,10,1LTLA1,4,2,1SP1TR0CF2_ %1A_ &l1X_ &l1S
_ &l0H_ &l0o6a4d1E_ *t600R_ *v1onT_ *rF_ *c7181x4609Y_ *p162x555Y_ *cT_ *pxY_ %1BI
P0,0,1016,1016SC0,600,0,600;_ %1A_ *v1O_ *v1T_ %0BFT10,0;_ %0A_ *p544x855Y_ *c
2160a3200b1P_(19U_(s4099t0b0s20.00h0P_ *vT_ %0BFT;_ %0A_ *p544x883Y
```

Section 8 (Closing Command, Required at end of Document)

<ESC>%-12345X

Sample PCL Headers

Note: This section is only an example that may include features and commands that do not exist for this product.

Example 1 Header for Simple Print

```
<ESC>%-12345X@PJL JOB
@PJL SET COPIES= 1
@PJL COMMENT XRXbegin
@PJL COMMENT OID_ATT_JOB_OWNER "John Smith";
@PJL COMMENT OID_ATT_JOB_NAME "Print Job";
@PJL COMMENT XRXend
[Insert document or text to be printed here]
<ESC>%-12345X
```

Note:

This is a simple print job header specifying the Job Owner and Job Name and one copy.

The quotations in the Job Owner and Job Name lines are required.

Note:

This is a proof print job header that requests 6 copies.

Example 2 Header for Proof Print

```
<ESC>%-12345X@PJL JOB
@PJL SET COPIES= 6
@PJL COMMENT XRXbegin
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PROOF_PRINT
@PJL COMMENT XRXend
[Insert document or text to print here]
<ESC>%-12345X
```

Note:

This is a proof print job header requesting the staple option. You must send the job to the stacker using the native PCL command.

Example 3 Header for Finishing Options

```
<ESC>%-12345X@PJL JOB
@PJL COMMENT XRXbegin
@PJL COMMENT OID_ATT_JOB_OWNER "John Smith"
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PROOF_PRINT;
@PJL COMMENT OID_ATT_FINISHING OID_VAL_FINISHING_STAPLE;
@PJL COMMENT XRXSTAPLE=PORTRAIT;
@PJL COMMENT XRXend
<ESC>\027&l2G
[Insert document or text to print here]
<ESC>%-12345X
```

Note:

The print job specifies the following items:

- Job owner
- Job name
- 11 x 17 paper size
- Drilled
- Ivory paper
- 1200 x 1200 resolution
- Staple off
- Landscape
- Sample set
- Draft mode
- Offset off
- Banner sheet off
- Duplex long edge
- One copy

The quotations in the Job Name and Job Owner lines are required.

Basic PostScript Template

This section is an example of a standard PostScript template that is used to access general print features. This template lists each feature and the syntax, both Postscript commands and DSC (Document Structuring Conventions) required.

Note: This section is only an example that may include features and commands that do not exist for this product.

Section 1 (Adobe Reference Command)

```
%!PS
```

Section 2 (XRXbegin - Opening Comment Statement, Required)

```
%% XRXbegin
```

Section 3 (OID Commands)

```
%%OID_ATT_JOB_OWNER "John Smith";
```

```
%%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PRINT;  
%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;  
%%OID_ATT_JOB_NAME "Readme.txt";  
%%OID_ATT_PRINT_QUALITY OID_VAL_PRINT_QUALITY_DRAFT;
```

Section 4 (XRXend - Closing statement for Comment Section, Required)

```
%% XRXend
```

Section 5 (Options Such as Selecting Different Fonts, Simplex, Duplex, etc.)

```
<< /PostRenderingEnhance false >> setpagedevice  
  << /Staple 0 >> setpagedevice  
  << /Jog 0 >> setpagedevice  
  << /ManualFeed false >> setpagedevice  
  << /MediaType (Drilled) >> setpagedevice  
  << /MediaColor (Ivory) >> setpagedevice  
<< /DeviceRenderingInfo << /Type 4 /ValuesPerColorComponent 2 >>  
  /HWResolution [1200 1200] >> setpagedevice  
<< /PageSize [792 1224] /ImagingBBox null >> setpagedevice  
  << /Duplex true /Tumble false >> setpagedevice  
  << /Collate false >> setpagedevice
```

Section 6 (Postscript Data Stream Inserted Here)

```
[Postscript]
```

Section 7 (EOF - Closing Statement for PostScript File, Required)

```
%%EOF
```

Note:

The header for simple print specifies the Job Owner, Job Name, and one copy.

The quotations in the Job Owner and Job Name lines are required.

Example 1 Header for Simple Print0

```
%!PS
%%XRXbegin
%%OID_ATT_JOB_OWNER "John Smith"
%%OID_ATT_JOB_NAME "Print Job"
%%OID_ATT_COPY_COUNT 1
%%XRXend
```

Note:

This is a proof print job header. This job requests 6 copies.

Example 2 Header for Proof Print

```
%!PS
%%XRXbegin
%%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PROOF_PRINT
%%OID_ATT_COPY_COUNT 6
%%XRXend
```

Note:

This job header specifies the following items:

- 10 copies
- Duplex
- Collated
- Stapled
- Sent to the main tray
- Job name
- Bold image quality

Note: To use the staple and collate features, you must send the output to the stacker.

Example 3 Header for Finishing Options

```
%!PS
%%XRXbegin
%%OID_ATT_JOB_OWNER "John Smith"
%%XRXend
<</PageSize [612 792]>>setpagedevice
<</OutputType (MainTray)>>setpagedevice
<</Staple 3>>setpagedevice
<</Duplex true /Tumble false>> setpagedevice
<</PostRenderingEnhance true>>setpagedevice
<</Collate true>>setpagedevice
<</NumCopies 10>>setpagedevice
```

Supported PostScript Fonts

AlbertusMT
AlbertusMT-Italic
AlbertusMT-Light
AntiqueOlive-Bold
AntiqueOlive-Compact
AntiqueOlive-Italic
AntiqueOlive-Roman
Apple-Chancery
Arial-BoldItalicMT
Arial-BoldMT
Arial-ItalicMT
ArialMT
AvantGarde-Book
AvantGarde-BookOblique
AvantGarde-Demi
AvantGarde-DemiOblique
Bodoni
Bodoni-Bold
Bodoni-BoldItalic
Bodoni-Italic
Bodoni-Poster
Bodoni-PosterCompressed
Bookman-Demi
Bookman-DemiItalic
Bookman-Light
Bookman-LightItalic
Carndid
Chicago
Clarendon
Clarendon-Bold
Clarendon-Light
CooperBlack
CooperBlack-Italic
Copperplate-ThirtyThreeBC
Copperplate-ThirtyTwoBC
Coronet-Regular
Courier
Courier-Bold
Courier-BoldOblique
Courier-Oblique
Eurostile
Eurostile-Bold
Eurostile-BoldExtendedTwo
Eurostile-ExtendedTwo
Geneva
GillSans
GillSans-Bold
GillSans-BoldCondensed
GillSans-BoldItalic
GillSans-Condensed
GillSans-ExtraBold
GillSans-Italic
GillSans-Light
GillSans-LightItalic
Goudy
Goudy-Bold
Goudy-BoldItalic
Goudy-ExtraBold
Goudy-Italic

Helvetica
Helvetica-Bold
Helvetica-BoldOblique
Helvetica-Condensed
Helvetica-Condensed-Bold
Helvetica-Condensed-BoldObl
Helvetica-Condensed-Oblique
Helvetica-Narrow
Helvetica-Narrow-Bold
Helvetica-Narrow-BoldOblique
Helvetica-Narrow-Oblique
Helvetica-Oblique
HoeflerText-Black
HoeflerText-BlackItalic
HoeflerText-Italic
HoeflerText-Ornaments
HoeflerText-Regular
JoannaMT
JoannaMT-Bold
JoannaMT-BoldItalic
JoannaMT-Italic
LetterGothic
LetterGothic-Bold
LetterGothic-BoldSlanted
LetterGothic-Slanted
LubalinGraph-Book
LubalinGraph-BookOblique
LubalinGraph-Demi
LubalinGraph-DemiOblique
Marigold
MonaLisa-Recut
Monaco
NewCenturySchlbk-Bold
NewCenturySchlbk-BoldItalic
NewCenturySchlbk-Italic
NewCenturySchlbk-Roman
NewYork
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
Taffy
Times-Bold
Times-BoldItalic
Times-Italic
Times-Roman
TimesNewRomanPS-BoldItalicMT
TimesNewRomanPS-BoldMT
TimesNewRomanPS-ItalicMT

TimesNewRomanPSMT
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
Wingdings-Regular
ZapfChancery-MediumItalic
ZapfDingbats
Wingdings-Regular
ZapfChancery-MediumItalic
ZapfDingbats

Supported PCL5 Fonts

Font #	Font	4600/4620 Font Name	PCL Escape Command
1	Courier	Courier SWC	<esc><esc>(s0p12h0s0b4099T
2	Courier Bold	Courier SWC Bold	<esc><esc>(s0p12h0s3b4099T
3	Courier Italic	Courier SWC Italic	<esc><esc>(s0p12h1s0b4099T
4	Courier Bold Italic	Courier SWC Italic Bold	<esc><esc>(s0p12h1s3b4099T
5	Letter Gothic	Letter Gothic	<esc><esc>(s0p12h0s0b4102T
6	Letter Gothic Bold	Letter Gothic Bold	<esc><esc>(s0p12h0s3b4102T
7	Letter Gothic Italic	Letter Gothic Italic	<esc><esc>(s0p12h1s0b4102T
8	Naskh BT	Naskh BT	<esc><esc>(s0p12h0s0b4124T
9	Naskh BT Bold	Naskh BT Bold	<esc><esc>(s0p12h0s3b4124T
10	Koufi BT	Koufi BT	<esc><esc>(s0p12h0s0b4264T
11	Koufi BT Bold	Koufi BT Bold	<esc><esc>(s0p12h0s3b4264T
12	CourierPS	Courier SWA	<esc><esc>(s0p12h0s0b24579T
13	CourierPS Bold	Courier SWA Bold	<esc><esc>(s0p12h0s3b24579T
14	CourierPS Oblique	Courier SWA Italic	<esc><esc>(s0p12h1s0b24579T
15	CourierPS Bold Oblique	Courier SWA Italic Bold	<esc><esc>(s0p12h1s3b24579T
16	CG Times	Dutch801 SWC	<esc><esc>(s1p12v0s0b4101T
17	CG Times Bold	Dutch801 SWC Bold	<esc><esc>(s1p12v0s3b4101T
18	CG Times Italic	Dutch801 SWC Italic	<esc><esc>(s1p12v1s0b4101T
19	CG Times Bold Italic	Dutch801 SWC Italic Bold	<esc><esc>(s1p12v1s3b4101T
20	CG Omega	ZapfHumst Dm SWC	<esc><esc>(s1p12v0s0b4113T
21	CG Omega Bold	ZapfHumst Dm SWC Bold	<esc><esc>(s1p12v0s3b4113T
22	CG Omega Italic	ZapfHumst Dm SWC Italic	<esc><esc>(s1p12v1s0b4113T
23	CG Omega Bold Italic	ZapfHumst Dm SWC Italic Bold	<esc><esc>(s1p12v1s3b4113T
24	Coronet	Ribbon131 SWC Italic	<esc><esc>(s1p12v1s0b4116T
25	Clarendon Condensed	Clarendon SWC Condensed Bold	<esc><esc>(s1p12v4s3b4140T
26	Univers Medium	Swiss742 SWC	<esc><esc>(s1p12v0s0b4148T
27	Univers Bold	Swiss742 SWC Bold	<esc><esc>(s1p12v0s3b4148T
28	Univers Italic	Swiss742 SWC Italic	<esc><esc>(s1p12v1s0b4148T
29	Univers Bold Italic	Swiss742 SWC Italic Bold	<esc><esc>(s1p12v1s3b4148T
30	Univers Condensed	Swiss742 Cn SWC Condensed	<esc><esc>(s1p12v4s0b4148T
31	Univers Condensed Bold	Swiss742 Cn SWC Condensed Bold	<esc><esc>(s1p12v4s3b4148T
32	Univers Condensed Italic	Swiss742 Cn SWC Condensed Italic	<esc><esc>(s1p12v5s0b4148T
33	Univers Condensed Bold Italic	Swiss742 Cn SWC Condensed Italic Bold	<esc><esc>(s1p12v5s3b4148T
34	Antique Olive	Incised901 SWC	<esc><esc>(s1p12v0s0b4168T
35	Antique Olive Bold	Incised901 SWC Bold	<esc><esc>(s1p12v0s3b4168T
36	Antique Olive Italic	Incised901 SWC Italic	<esc><esc>(s1p12v1s0b4168T
37	Garamond Antiqua	OrigGaramond SWC	<esc><esc>(s1p12v0s0b4197T
38	Garamond Halbfett	OrigGaramond SWC Bold	<esc><esc>(s1p12v0s3b4197T
39	Garamond Kursiv	OrigGaramond SWC Italic	<esc><esc>(s1p12v1s0b4197T
40	Garamond Kursiv Halbfett	OrigGaramond SWC Italic Bold	<esc><esc>(s1p12v1s3b4197T
41	Marigold	Audrey Two SWC	<esc><esc>(s1p12v0s0b4297T
42	Flareserif821SWC	Flareserif821SWC	<esc><esc>(s1p12v0s1b4106T
43	Flareserif821SWC Extra Bold	Flareserif821SWC Extra Bold	<esc><esc>(s1p12v0s4b4106T
44	Ryadh BT	Ryadh BT	<esc><esc>(s0p12h0s0b4859T
45	Ryadh BT Bold	Ryadh BT Bold	<esc><esc>(s0p12h0s3b4859T
46	Swiss SWM	Swiss SWM	<esc><esc>(s1p12v0s0b4314T
47	Swiss SWM Bold	Swiss SWM Bold	<esc><esc>(s1p12v0s3b4314T
48	Swiss SWM Italic	Swiss SWM Italic	<esc><esc>(s1p12v1s0b4314T
49	Swiss SWM Italic Bold	Swiss SWM Italic Bold	<esc><esc>(s1p12v1s3b4314T
50	Times New Roman	Dutch SWM	<esc><esc>(s1p12v0s0b16901T
51	Times New Bold	Dutch SWM Bold	<esc><esc>(s1p12v0s3b16901T

Font #	Font	4600/4620 Font Name	PCL Escape Command
52	Times New Italic	Dutch SWM Italic	<esc><esc>(s1p12v1s0b16901T
53	Times New Bold Italic	Dutch SWM Italic Bold	<esc><esc>(s1p12v1s3b16901T
54	Helvetica	Swiss SWA	<esc><esc>(s0p12h0s0b24580T
55	Helvetica Bold	Swiss SWA Bold	<esc><esc>(s0p12h0s3b24580T
56	Helvetica Oblique	Swiss SWA Italic	<esc><esc>(s0p12h1s0b24580T
57	Helvetica Bold Oblique	Swiss SWA Italic Bold	<esc><esc>(s0p12h1s3b24580T
58	Helvetica Narrow	SwissNarrow SWA Condensed	<esc><esc>(s0p12h4s0b24580T
59	Helvetica Narrow Bold	SwissNarrow SWA Condensed Bold	<esc><esc>(s0p12h4s3b24580T
60	Helvetica Narrow Oblique	SwissNarrow SWA Condensed Italic	<esc><esc>(s0p12h5s0b24580T
61	Helvetica Narrow Oblique Bold	SwissNarrow SWA Condensed Italic Bold	<esc><esc>(s0p12h5s3b24580T
62	Palatino Roman	ZapfCallig SWA	<ESC>(19U<ESC>(s1p0s0b24591T
63	Palatino Bold	ZapfCallig SWA Bold	<ESC>(19U<ESC>(s1p0s3b24591T
64	ZapfCallig SWA Italic	ZapfCallig SWA Italic	<ESC>(19U<ESC>(s1p1s3b24591T
65	Palatino Bold Italic	ZapfCallig SWA Italic Bold	<ESC>(19U<ESC>(s1p1s0b24591T
66	ITC Avant Garde Book	Geometric 711	<ESC>(19U<ESC>(s1p0s0b24607T
67	ITC Avant Garde Demi	Geometric 711 Demi	<ESC>(19U<ESC>(s1p1s0b24607T
68	ITC Avant Garde Book Oblique	Geometric 711 Italic	<ESC>(19U<ESC>(s1p0s2b24607T
69	ITC Avant Garde Demi Oblique	Geometric 711 Italic Demi	<ESC>(19U<ESC>(s1p1s2b24607T
70	ITC Bookman Light	Bookman SWA Light	<ESC>(19U<ESC>(s0p0s2b24623T
71	ITC Bookman Demi	Bookman SWA Demi	<ESC>(19U<ESC>(s0p1s2b24623T
72	ITC Bookman Light Italic	Bookman SWA Italic Light	<ESC>(19U<ESC>(s0p0s-3b24623T
73	ITC Bookman Demi Italic	Bookman SWA Italic Demi	<ESC>(19U<ESC>(s0p1s-3b24623T
74	New Century Schlbk Roman	CenturySchbk SWA	<ESC>(19U<ESC>(s1p0s0b24703T
75	New Century Schlbk Bold	CenturySchbk SWA Bold	<ESC>(19U<ESC>(s1p0s3b24703T
76	New Century Schlbk Italic	CenturySchbk SWA Italic	<ESC>(19U<ESC>(s1p1s3b24703T
77	New Century Schlbk Bold Italic	CenturySchbk SWA Italic Bold	<ESC>(19U<ESC>(s1p1s0b24703T
78	Times Roman	Dutch SWA	<esc><esc>(s1p12v0s0b25093T
79	Times Bold	Dutch SWA Bold	<esc><esc>(s1p12v0s3b25093T
80	Times Italic	Dutch SWA Italic	<esc><esc>(s1p12v1s0b25093T
81	Times Bold Italic	Dutch SWA Italic Bold	<esc><esc>(s1p12v1s3b25093T
82	ITC Zapf Chancery Italic	Chancery 801 Italic	<esc><esc>(s0p12h1s0b45099T
83	Symbol Set SWM	Symbol Set SWM	<esc>(19M<esc>(s1p12v0s0b4142T
84	MoreWingbatsSWC	MoreWingbatsSWC	<esc>(579L<esc>(s1p12v0s0b4266T
85	ITC Zapf Dingbats	DingDings	<esc>(14L<esc>(s0p12h0s0b45101T
86	SymbolPS	Symbol Set SWA	<esc>(19M<esc>(s0p12h0s0b45358T
87	Line Printer (Roman-8)	Line Printer 8U	<esc>(8U<esc>(s0p16.67h8.5v0s0b0T
88	Line Printer ON	Line Printer ON	<esc>(0N<esc>(s0p16.67h8.5v0s0b0T
89	Line Printer (PC-8)	Line Printer 10U	<esc>(10U<esc>(s0p16.67h8.5v0s0b0T
90	Line Printer (PC-8 D/N)	Line Printer 11U	<esc>(11U<esc>(s0p16.67h8.5v0s0b0T
91	Line Printer (PC-850)	Line Printer 12U	<esc>(12U<esc>(s0p16.67h8.5v0s0b0T
92	Line Printer (Legal)	Line Printer 1U	<esc>(1U<esc>(s0p16.67h8.5v0s0b0T
93	Line Printer 2N	Line Printer 2N	<esc>(2N<esc>(s0p16.67h8.5v0s0b0T
94	Line Printer 5N	Line Printer 5N	<esc>(5N<esc>(s0p16.67h8.5v0s0b0T
95	Line Printer 6N	Line Printer 6N	<esc>(6N<esc>(s0p16.67h8.5v0s0b0T
96	OCR-A	OCR-A	<esc>(00<esc>(s1p12v0s0b104T
97	OCR-B	OCR-B	<esc>(10<esc>(s1p12v0s0b110T
98	Courier Miriam	Courier Miriam	<esc><esc>(s0p12h0s0b295T
99	Courier Miriam Bold	Courier Miriam Bold	<esc><esc>(s0p12h0s3b295T
100	Swiss 742 Miriam	Swiss 742 Miriam	<esc><esc>(s1p12v0s0b5159T
101	Swiss 742 Miriam Bold	Swiss 742 Miriam Bold	<esc><esc>(s1p12v0s3b5159T
102	Swiss 742 Miriam Italic	Swiss 742 Miriam Italic	<esc><esc>(s1p12v1s0b5159T
103	Swiss 742 Miriam Italic Bold	Swiss 742 Miriam Italic Bold	<esc><esc>(s1p12v1s3b5159T
104	Dutch 801 David	Dutch 801 David	<esc><esc>(s1p12v0s0b5415T

Font #	Font	4600/4620 Font Name	PCL Escape Command
105	Dutch 801 David Bold	Dutch 801 David Bold	<esc><esc>(s1p12v0s3b5415T
106	Dutch 801 David Italic	Dutch 801 David Italic	<esc><esc>(s1p12v1s0b5415T
107	Dutch 801 David Italic Bold	Dutch 801 David Italic Bold	<esc><esc>(s1p12v1s3b5415T
108	Dutch 801 Frank	Dutch 801 Frank	<esc><esc>(s1p12v0s0b5671T
109	Dutch 801 Frank Bold	Dutch 801 Frank Bold	<esc><esc>(s1p12v0s3b5671T
110	Dutch 801 Frank Italic	Dutch 801 Frank Italic	<esc><esc>(s1p12v1s0b5671T
111	Dutch 801 Frank Italic Bold	Dutch 801 Frank Italic Bold	<esc><esc>(s1p12v1s3b5671T