Customer Tips

... for the user

PDL Reference Guide for the Xerox WorkCentre/WorkCentre Pro Series

This document applies to these Xerox products. The information in this document may apply to a feature(s) optional for your device.

X	**WC 56xx Series**
X	**WC 7655/7665 (v1)**
X	**WC 7655/7665/7675 (v2)**
x	**WC Pro 232/238/245/ 255/265/275**
x	**WC 232/238/245/255/ 265/275**
x	**WC Pro C2128/C2636/ C3545**
x	**WC Pro 165/175**
x	**WC M165/M175**
x	**WC Pro 32/40 Color**
x	**WC Pro 65/75/90**
x	**WC Pro 35/45/55**
x	**WC M35/M45/M55**

Accessing Extended Features

Overview

This document describes how to access the extended features of the products listed in environments for which Xerox does not make a custom driver. This document covers both color and black/white devices.

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 WorkCentre platform.
- 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 WorkCentre's 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
   - PJL SET commands
   - Xerox specific COMMENT command.

Not all devices support all features, for example, only some models support Internal Auditron print codes or the booklet finisher.

Feature Listing

PCL and ASCII print jobs can use PJL 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 can use Document Structuring Commands (DSC) or 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.

For this document, both PJL COMMENT and DSC are referred to as Comment commands.

Getting Started

Comment Commands

To process all PJL COMMENT commands and DSC, enclose them with XRXBegin and XRXEnd commands. The following example shows a PCL or ASCII print job:

```
@PJL COMMENT XRXbegin
@PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
@PJL COMMENT XRXend
```

This example shows a PS print job:
```
%%XRXbegin
%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
%%XRXend
```

- The first parameter of the command is an attribute followed by a value.

- Comment commands must end with a semicolon except for the XRXbegin and XRXend commands.

- A comment command not enclosed by XRXbegin and XRXend 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 WorkCentre products that use the SMART network controller.

PJL SET Commands

PJL SET commands are available for some features. If you choose to use these commands, do not enclose them with the XRXBegin and XRXEnd commands.

PJL 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 XRXBegin and XRXEnd 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 XRXBegin and XRXEnd commands. Refer to a PS reference manual for more specific information regarding PS commands.

Features

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	DSC Comment Command	PJL SET	PCL Cmd	PS Cmd
@PJL COMMENT XRXbegin	%%XRXbegin	N/A	N/A	N/A
Supported by listed WorkCentre and WorkCentre Pro devices.				

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

PJL COMMENT Command	DSC Comment Command
@PJL COMMENT XRXend	%%XRXend
Supported by listed WorkCentre and WorkCentre Pro devices.	

General Comment Commands

JOB NAME
The value for Job Name is stored for printing on the banner page.

PJL COMMENT Command	DSC Comment Command
@PJL COMMENT JOB NAME="**string**";	%%OID_ATT_JOB_NAME="**string**";
Where **string** is a maximum of 40 characters. This appears as the first item on the banner sheet.	
Supported by listed WorkCentre and WorkCentre Pro devices.	

JOB OWNER
The value for Job Owner is stored for printing on the banner page.

PJL COMMENT Command	DSC Comment Command
@PJL COMMENT OID_ATT_JOB_OWNER "**string**";	%%OID_ATT_JOB_OWNER "**string**";
Where **string** is a maximum of 40 characters. This appears as the second item on the banner sheet.	
Supported by listed WorkCentre and WorkCentre Pro devices.	

QUANTITY		
This PJL variable is used to specify the number of collated sets of a document. A value greater than 9999 results in 9999 copies produced. A value less than one results in one copy produced.		
PJL SET	**PCL Cmd**	**PS Cmd**
@PJL SET QTY=**int**	NA	NA
Where **int** is 1 to 9999.		
Supported by listed WorkCentre and WorkCentre Pro devices.		

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	PS Cmd
@PJL SET COPIES=*int*;	<esc>&l*int*X	<</NumCopies *int*>> setpagedevice or *int* /languagelevel where {pop languagelevel}{1} ifelse 2 ge { 1 dict dup /NumCopies 4 -1 roll put setpagedevice }{ userdict /#copies 3 -1 roll put } ifelse

Where *int* is 1 to 9999.

Supported by listed WorkCentre and WorkCentre Pro devices.

JOB TYPE

The Job Type command indicates a job that requires special handling.

PJL COMMENT Command	DSC Comment Command
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_*string*;	%%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_*string*;

Where *string* is one of the following:

PRINT — Indicates a normal print job.

PROOF_PRINT — Comparable to Sample Set in a driver. This job type allows you to specify multiple copies with the @PJL SET COPIES command. One set prints for review. Then you can release or delete the job.

FAX_SEND — This job type directs a print job to use the embedded fax board and fax the job to a phone number instead of printing the job. See the FAX SEND command for the commands to provide the phone number and other fax options.

PRINT, PROOF_PRINT are supported by all WorkCentre and WorkCentre Pro devices.

FAX_SEND is supported by the WC M-series and Pro 232/238/245/255/265/275, WC 7655/7665/7675, WC 56xx series.

DELAY PRINT

Delays printing a job until the time specified by the command.

PJL COMMENT Command	DSC Comment Command
@PJL COMMENT OID_ATT_JOB_PRINT_AFTER "**yyyymmddhhmmss**";	%%OID_ATT_JOB_PRINT_AFTER "**yyyymmddhhmmss**";

Where **yyyy**=year, **mm**=month, **dd**=day, **hh**=hours, **mm**=minutes, **ss**=seconds

Supported by listed WorkCentre and WorkCentre Pro devices.

FAX SEND

Must use with the FAX_SEND Job Type command. This command is only valid for devices that have a fax from the PC desktop function. The WC/WC Pro 2xx series fax-enabled systems support the FAX_SEND job type.

Minimum commands required to send a simple fax job are shown in the next sections of this table. The commands that follow are optional.

Required Commands

PJL COMMENT Command	DSC Comment Command
@PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;	%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_FAX_SEND;	%%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_FAX_SEND;
@PJL COMMENT OID_ATT_FAX_DESTINATION_PHONE "*xxxx*";	%%OID_ATT_FAX_DESTINATION_PHONE "*xxxx*";

Where *xxxx* is the phone number and any special access numbers.

Optional Commands

@PJL COMMENT OID_ATT_FAX_COVER_SHEET *string*;	%%OID_ATT_FAX_COVER_SHEET *string*;

Where *string* is:
TRUE
FALSE

@PJL COMMENT OID_ATT_FAX_CONFIRMATION_SHEET *string*;	%%OID_ATT_FAX_CONFIRMATION_SHEET *string*;

Where *string* is:
TRUE
FALSE

@PJL COMMENT OID_ATT_FAX_RESOLUTION *int*;	%%OID_ATT_FAX_RESOLUTION *int*;

Where *int* is:
0 – Fine Resolution
1 – Standard Resolution
2 – Super Fine Resolution

@PJL COMMENT OID_ATT_FAX_TYPE OID_VAL_FAX_TYPE_*string*;	%%OID_ATT_FAX_TYPE OID_VAL_FAX_TYPE_*string*;

Where *string* is:
G3_AUTO   Super G3 (33.6kbps)
G3_14400   G3 (14.4kbps)
G3_FORCED_4800 Forced 4800 bps)

@PJL COMMENT OID_ATT_CREDIT_CARD "*xxxx*";

Where *xxxx* is the credit card or charge code required to send the fax. Select this option and enter the credit card number (up to 16 digits) if you want to charge the fax call to a credit card. The credit card number is concealed on confirmation reports.

Characters for phone numbers, prefix numbers, credit cards, and other numeric entries.

= Wait for dial tone.
! Used to designate a mailbox signal.
, Used to initiate a pause period; default pause period is 3 seconds.
/ Used to delineate private data.
$ Signifies to wait for a confirmation dial tone.
<1> Use preceding a fax number to specify which fax line should be used on systems that support dual fax lines.
<2> Use preceding a fax number to specify which fax line should be used on systems that support dual fax lines.

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	DSC Command
@PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_"*string*";	%%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.
USER A custom start sheet is included in this job.
Supported by listed WorkCentre and WorkCentre Pro devices.

Media Comment 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.

PCL Cmd	PS Cmd
<esc> &l*int*H	<</MediaPosition *int*>> setpagedevice

Where *int* is one of the following:

Description	WCP 32/40 Color, C2128/C2636/C3545 and WC 7655/7665			WC M and WCP 35/45/55, 165/175 and 232/238/245/255/265/275			WCP 65/75/90		
	PCL5 int	PCL6 int	PS int	PCL5 int	PCL6 int	PS int	PCL5 int	PCL6 int	PS int
Auto Select	0	1	0	0	1	0	0	1	0
Tray 1	1	4	1	1	4	1	1	4	1
Tray 2	4	5	2	4	5	2	4	5	2
Tray 3	23	7	3	23	7	3	23	7	3
Tray 4	24	11	4	24	11, **8**	4	24	11	4
Tray 5	N/A	N/A	N/A	**7****	**10****	**6****	N/A	N/A	N/A
Bypass Tray	2	3	5	2	3	5	2	3	5
High Capacity Feeder	5*	9*	6*	-	-	6	5	12	6

** Applies to the WC 56xx series products.
*WC 7655/7665 only.
NOTE: When sending a job with a tray selection, issue a MEDIA COLOUR "Unspecified" and MEDIA TYPE "Unspecified" PJL COMMENT in the PDL.

MEDIA SIZE

This command specifies the size of media on which to print the job. These are PCL commands rather than PJL commands. Insert a media size command within the PCL portion of the print job.

The listed WorkCentre devices do not support all paper sizes. Check the product documentation for details.

PCL Cmd	PS Cmd
<esc> &l*int*A	<</PageSize [*width height*]/ImagingBBox null>> setpagedevice Note: / ImagingBBox null is optional

Where *int* is one of the following:

Media Sizes	PCL5 int	PCL6 int	PS (w h) Points	Media Sizes	PCL5 int	PCL6 int	PS (w h) Points
Letter 8.5 x 11" (216 x 279 mm)	2	0	612 X 792	A4 (210 x 297 mm)	26	2	595 X 842
Legal 8.5 x 14" (216 x 356 mm)	3	1	612 X 1008	A3 (297 x 420 mm)	27	5	842 X 1191
Tabloid (Ledger) 11 x 17" (279 x 432 mm)	6	4	792 X 1224	A4 Cover/Tab (223 x 297 mm)	200	200	632 x 842
Executive 7.25 x 10.5" (184 x 267 mm)	1	3	522 x 756	A5 (148 x 210 mm)	25	15	420 x 595
Invoice (Statement) 5.5 x 8.5" (216 x 140 mm)	41	41	396 x 612	A6 (105 x 148 mm)	203	17	297 x 420
5 x 7" (127 x 178 mm)	204	204	360 x 504	B4 (257 x 364 mm)	46	10	729 x 1032
8 x 10" (203 x 254 mm)	208	208	576 x 720	B5 (182 x 257 mm)	45	11	516 x 729
Letter Cover/Tab 9 x 11" (229 x 279)	201	201	648 x 792	B6 (128 x 182 mm)	205	18	363 x 516
Postcard (4.5 x 6") (114 x 152 mm)	211	13	324 x 432	Folio 8.5 x 13 inches (215 x 330 mm)	44	212	612 x 936
Postcard (100 x 148 mm)	71	71	283 x 420	ISO A6 (215 x 315 mm)	24	24	297 x 420
12 x 18" (305 x 457 mm)	213	203	864 x 1296	Spanish Folio	43	206	609 x 893
12 x 19" (305 x 483 mm)	214	214	864 x 1368	Postcard Oufuku Hagaki (148 x 200)	72	14	420 x 567
Envelope Sizes	*PCL5 Int*	*PCL6 int*	*PS (W H) Points*	*Envelope Sizes*	*PCL5 Int*	*PCL6 int*	*PS (W H) Points*
Monarch Envelope 3.9 x 7.5" (98 x 191 mm)	80	7	279 x 540	C5 Envelope (162 x 229 mm)	91	8	459 x 649
Comm 10 Envelope 4.1 x 9.5" (105 x 241 mm)	81	6	297 x 684	DL Envelope (110 x 220 mm)	90	9	312 x 624
				B5 Envelope (176 x 250 mm)	100	100	

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

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.			

PJL COMMENT Command		DSC Comment Command	
@PJL COMMENT OID_ATT_DEFAULT_MEDIUM_TYPE "*String*";		%% OID_ATT_DEFAULT_MEDIUM_TYPE "*String*";	

Where **string** is one of the following:

String	*WCP 32/40 Color WCP C2128/C2636/C3545, WC 7655/7665/7675*	*WC M and WCP 35/45/55, 165/175, 232/238/245/255/265/275, and WC 56xx series*	*WCP 65/75/90*
Standard	Yes	Yes	Yes
Transparency	Yes	Yes	Yes
Labels	Yes	Yes	Yes
Drilled	Yes	Yes	Yes
Recycled	Yes	Yes	Yes
Preprinted	Yes	Yes	Yes
Envelopes	Yes	Yes – 32, 35, 38, 45, 55 ppm devices	No
Cardstock	Yes	Yes	Yes
Letterhead	Yes	Yes	Yes
Custom1-7	Yes	Yes	Yes
Unspecified	Yes	Yes	Yes
Other	Yes	Yes	Yes
System-Default	Yes	Yes	Yes
Heavyside2	Yes	No	No
Bond	Yes	Yes	Yes
Lightweight	Yes	No	No
LightCardStock	Yes	No	No
LightCardStock2	Yes	No	No
LightGlossy	Yes	No	No
LightGlossy2	Yes	No	No
HeavyGlossy	Yes	No	No
HeavyGlossy2	Yes	No	No
Tabs	No	Yes	No

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.	
PJL COMMENT Command	**DSC Comment Command**
@PJL COMMENT OID_ATT_DEFAULT_MEDIUM_COLOUR "*string*";	%% OID_ATT_DEFAULT_MEDIUM_COLOUR "*string*";
Where *string* is one of the following: White, Yellow, Green, Buff, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Unspecified, Blue, Other, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7	
Supported by listed WorkCentre and WorkCentre Pro devices.	

Formatting Comment 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	**DSC Comment Command**
@PJL COMMENT OID_ATT_OUTPUT *string*;	%%OID_ATT_OUTPUT *string*;
Where *string* is one of the following: OID_VAL_OUTPUT_PAGE_COLLATE OID_VAL_OUTPUT_NO_PAGE_COLLATE	
Supported by listed WorkCentre and WorkCentre Pro devices.	

FEED EDGE	
The values indicate the feed edge to use.	
PJL COMMENT Command	**DSC Comment Command**
@PJL COMMENT OID_ATT_FEED_EDGE *string*;	@PJL COMMENT OID_ATT_FEED_EDGE *string*;
Where *string* is: OID_VAL_FEED_EDGE_SHORT_LEADING OID_VAL_FEED_EDGE_SHORT_TRAILING OID_VAL_FEED_EDGE_LONG_LEADING OID_VAL_FEED_EDGE_LONG_TRAILING	
Supported by listed WorkCentre and WorkCentre Pro devices.	

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= *string*
Where *string* is: SHORTEDGE LONGEDGE
Supported by listed WorkCentre and WorkCentre Pro devices.

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. Short edge bind (*Duplex Tumble ON)* = Duplex so that when page is rotated about the short edge, second side image is right side up. Long edge bind (*Duplex Tumble OFF*)= Duplex so that when page is rotated about the long edge, second side image is right side up.					
PJL COMMENT Cmd	**DSC Comment Cmd**	**PJL SET**	**PCL Cmd**		**PS Cmd**
@PJL COMMENT OID_ATT_PLEX OID_VAL_PLEX_*string*;	%%OID_ATT_PLEX OID_VAL_PLEX_*string*;	@PJL SET DUPLEX= *string*	PCL5 <esc> &l*int*S	PCL6 DuplexPageMode (53)	<</Duplex true /Tumble *string* >> setpagedevice
Where *string* is: SIMPLEX DUPLEX		Where *string* is: ON OFF	Where *int* is: 0 = Simplex 1 = Duplex Long Edge Binding 2 = Duplex Short Edge Binding		Where *string* is: true false
Supported by listed WorkCentre and WorkCentre Pro devices.					

Finishing Comment 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=*string*	<</Jog *int*>> setpagedevice
Where *string* is: ON OFF	Where *int* is: 0 = no offset 3 = offset each set
Supported by listed WorkCentre and WorkCentre Pro devices.	

OUTPUT LOCATION	
Indicates the output bin where the print job is sent.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_OUTPUT_BINS OID_VAL_OUTPUT_BIN_*string*;	%%OID_ATT_OUTPUT_BINS OID_VAL_OUTPUT_BIN_*string*;

Where **string** is:

TOP   For devices with High Capacity Stacker Stapler, Advanced Finisher or Professional Finisher.

SIDE   For devices with no finisher installed.

STACKER   For finishers that have an upper side output tray.

STACKER2 For finishers that have a lower side output tray (not the booklet folder).

MIDDLE   For WCP C2128/C2636/C3545 only. The top tray of the IOT.

MAIN   For WCP 65/75/90 only.

Supported as described above.

STAPLE				
This command indicates use and location of staple(s). Not all finishers support all the staple options listed. Choose one of the following methods to indicate this feature.				
PJL COMMENT Cmd	**DSC Comment Cmd**	**PJL SET Cmd**	**PCL Cmd**	**PS Cmd**
@PJL COMMENT XRXSTAPLE=**string**;	%% XRXSTAPLE=**string**;	@PJL SET STAPLEOPTION=**string**	N/A	<</Staple **int**>> setpagedevice /StapleDetails<</Type 1 /StapleLocation("**string**")>>
Where **string** is: PORTRAIT LANDSCAPE DUAL	Where **string** is: NONE BOOKLET	Where **string** is: NONE ONE TWO	N/A	Where **int** is: 0 = No Staple 3 = Staple at end of set Where **string** is: SinglePortrait SingleLandscape Dual Landscape Multiple
The following commands indicate use of a multiple staples (4).				
@PJL COMMENT OID_ATT_FINISHING OID_VAL_FINISHING_STAPLE_MULTIPLE;		%%OID_ATT_FINISHING OID_VAL_FINISHING_STAPLE_MULTIPLE;		
Supported by listed WorkCentre and WorkCentre Pro if the staple option is installed.				

HOLE PUNCH		
This command indicates hole punches for a print job on a device with hole punch capability.		
PJL COMMENT Cmd	**DSC Comment Cmd**	**PS Cmd**
@PJL COMMENT OID_ATT_PUNCH *int*;	%%OID_ATT_PUNCH *int*;	<</Punch *int1*/PunchDetails <</Type 6 /NumHoles *int2*>>>>setpagedevice
For the black & white products that support the hole punch option: Where *int* is: 0 for No Hole Punch 1 for 3 Hole Punch For the color products that support the hole punch option: Where *int* is: 2 for 2 Hole Punch 4 for 4 Hole Punch		Where *int1* is: 0 for No Punch 4 for Punch For the black & white products that support the hole punch option: *int2* is: 0 for No Punch 1 for 3 Hole Punch For the color products that support the hole punch option: *int2* is: 2 for 2 Hole Punch 3 for 3 Hole Punch 4 for 4 Hole Punch
The WorkCentre or the WorkCentre Pro must have a 2, 3, or 4 hole punch unit installed (not an option for all WorkCentres).		

BOOKLET FOLD	
This command indicates to fold the print job if the Professional Finisher is installed. The short edge feed command is also required to use the booklet fold command.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_FINISHING OID_VAL_FINISHING_BOOKLET; @PJL COMMENT OID_ATT_FEED_EDGE OID_VAL_FEED_EDGE_SHORT_TRAILING;	%%OID_ATT_FINISHING OID_VAL_FINISHING_BOOKLET; %%OID_ATT_FEED_EDGE OID_VAL_FEED_EDGE_SHORT_TRAILING;
The WorkCentre or the WorkCentre Pro must have a Professional Finisher with a booklet folder unit installed. Not all WorkCentres support this option.	

BOOKLET STAPLE	
This command indicates staples for folded print jobs. Use with booklet fold commands above.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_BOOKLET OID_VAL_BOOKLET_*string*;	%%OID_ATT_BOOKLET OID_VAL_BOOKLET_*string*;
Where *string* is: STAPLE NOSTAPLE	
The WorkCentre or the WorkCentre Pro must have a Professional Finisher with a booklet folder unit installed. Not all WorkCentres support this option.	

BOOKLET FOLD TYPE	
This command indicates an optional fold type generated by the professional finisher. The short edge feed command is also required to use the booklet fold command.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_FOLD OID_VAL_FOLD_*string*; @PJL COMMENT OID_ATT_FEED_EDGE OID_VAL_FEED_EDGE_SHORT_TRAILING;	%%OID_ATT_FOLD OID_VAL_FOLD_*string*; %% OID_ATT_FEED_EDGE OID_VAL_FEED_EDGE_SHORT_TRAILING;
Where *string* is: TRIFOLDC TRIFOLDZ	
The WorkCentre Pro 65/75/90, and WorkCentre 56xx series products are the only devices that support this feature.	

Image Quality

RESOLUTION	
This command sets the resolution value.	
PJL COMMENT Cmd	**PS Cmd**
@PJL SET RESOLUTION=*int*	<</DeviceRenderingInfo << /Type 4 /ValuesPerColorComponent 2 >> >> setpagedevice <</HWResolution [*int int*] >> setpagedevice
For the Black & White products only: Where *int* is: 200 - WCP 232/238/245/255/265/275 fax resolution 400 600 **For the Color products see PRINT QUALITY.**	For the Black & White products only: Where *int* is: 200 200 - WCP 232/238/245/255/265/275 fax resolution 600 600 1200 1200 1800 1800 - WCP 65/75/90 and WCP 232/238/245/255 only **For the Color products see PRINT QUALITY.**

PRINT QUALITY	
This command sets the resolution for color WorkCentre products to 600 or 1200 DPI.	
PS Command	**PJL Command** (WC 7655/7665 only)
userdict begin /X_PrintMode /X_*string* def End /X_RenderingSetup /ProcSet resourcestatus { /X_RenderingSetup /ProcSet findresource /X_SetupObjectRendering get exec setpagedevice pop pop } if	%%OID_ATT_PRINT_MODE OID_VAL_PRINT_MODE_*string*
Where *string* is: Draft Equivalent to Toner Saver driver setting.	
Standard Equivalent to Standard driver setting.	
Premium Equivalent to Enhanced driver setting. Results in 1200 DPI.	

TONER SAVER			
Use this command to control toner consumption when printing.			
PJL COMMENT Cmd	DSC Comment Cmd	PJL SET	PS Cmd

@PJL COMMENT OID_ATT_PRINT_QUALITY OID_VAL_PRINT_QUALITY_*string*;	%%OID_ATT_PRINT_QUALITY OID_VAL_PRINT_QUALITY_*string*;	@PJL SET ECONOMODE =*string*	<< /PostRenderingEnhance boolean (true/false)
			  /PostRenderingEnhanceDetails
			  << /Type 33
			    /DensityControl *int1*
			    /TonerSaver *int2*
			    >>
			>> setpagedevice

Where *string* is: NORMAL DRAFT HIGH		Where *string* is: ON OFF	Where *int1* is: 0 = off 1 = on Where *int2* is: -3 – light -2 -1 0 1 2 3 – Dark **Note**: It is necessary to send DensityControl and TonerSaver in the same command.
Both the ECONOMODE and OID_ATT_PRINT_QUALITY commands are only available to the listed WorkCentre and WorkCentre Pro products that produce black and white output. These commands are not supported by the listed color WorkCentre and WorkCentre Pro products.			

COLOR MODE	
Use this command to adjust the delivery of color rendering.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_COLOR_MODE OID_VAL_COLOR_MODE_*string*;	%%OID_ATT_COLOR_MODE OID_VAL_COLOR_MODE_*string*;
Where *string* is: AUTOMATIC BLACK_WHITE NONE SRGB_DISPLAY FAX_FRIENDLY	Where *string* is: AUTOMATIC BLACK_WHITE NONE SRGB_DISPLAY FAX_FRIENDLY
Supported by listed color WorkCentre and WorkCentre Pro devices.	

Print Job Accounting

NETWORK ACCOUNTING	
This accounting command sends User ID and Account ID data with a job for job-based accounting purposes. User ID and Account ID are each up to 32 chars long and concatenated using |042.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION "***Userid*|042*AccountID*"**	%%OID_ATT_ACCOUNTING_INFORMATION "***Userid*|042*AccountID*"**
Where ***Userid*** and ***AccountID*** are valid codes for the accounting system.	
The WorkCentre M series and WorkCentre 232/238/245/255/265/275 do not support network accounting.	

INTERNAL AUDITRON	
This PJL command sends the users pin number for use by devices that support the Internal Auditron or Xerox Standard Accounting (XSA). You must provide at least a valid USERID. You may also provide a GENERAL Account number or GROUP Account number if required.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_USERID,***xxxx***"; @PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GENERALACCT,***yyyy***"; @PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GROUPACCT,***zzzz***";	%%OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_USERID,***xxxx***"; %%OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GENERALACCT,***yyyy***"; %%OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GROUPACCT,***zzzz***";
Where ***xxxx*** is a valid USER Pin number. Where ***yyyy*** is a valid GENERAL Account number. Where ***zzzz*** is a valid GROUP Account number.	
Only the WCP C2128/C2636/C3545, WC 232/238/245/255/265/275, WCP 232/238/245/555/265/275, WC 56xx series and WC 7655/7665 devices support this command.	

Covers

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 "**S***tring*";	%%OID_ATT_FIRST_PAGE_IMAGED "**S***tring*";
Where ***string*** is: TRUE FALSE	
Supported by listed WorkCentre and WorkCentre Pro devices.	

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 OID_ATT_FIRST_PAGE_IMAGED is also used.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_FIRST_PAGE_MEDIA_COLOR "***string***";	%%OID_ATT_FIRST_PAGE_MEDIA_COLOR "***string***";
Where ***string*** is one of the following. Entries are case sensitive.	
White, Yellow, Green, Buff, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Unspecified, Blue, Other, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7	
Supported by listed WorkCentre and WorkCentre Pro devices.	

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 OID_ATT_FIRST_PAGE_IMAGED is also used.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_FIRST_PAGE_MEDIA_SIZE "***mm mm***";	%%OID_ATT_FIRST_PAGE_MEDIA_SIZE "***mm mm***";
Where ***mm mm*** is one of the metric sizes listed in the **MEDIA SIZE** table.	
Supported by listed WorkCentre and WorkCentre Pro devices.	

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 OID_ATT_FIRST_PAGE_IMAGED is also used.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_FIRST_PAGE_MEDIA_TYPE "***string***";	%%OID_ATT_FIRST_PAGE_MEDIA_TYPE "***string***";
Where ***string*** is one of the following. Entries are case sensitive.	
Standard, Transparency, Labels, Drilled, Recycled, Preprinted, Envelopes, Cardstock, HeavyWeight2, Bond, Lightweight, LightCardStock, LightCardStock2, LightGlossy, LightGlossy2, HeavyGlossy, HeavyGlossy2, Tabs, Letterhead, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7, Unspecified, Other, System-Default	
Supported by listed WorkCentre and WorkCentre Pro devices.	

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 FIRST_PAGE_IMAGED.

PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_IMAGED "S*tring*";	%%OID_ATT_FIRSTLAST_PAGE_IMAGED "S*tring*";

Where **string** is:
TRUE
FALSE

Supported by listed WorkCentre and WorkCentre Pro devices.

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 OID_ATT_FIRSTLAST_PAGE_IMAGED is also used.

PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_COLOR "*string*";	%%OID_ATT_FIRSTLAST_PAGE_MEDIA_COLOR "*string*";

Where **string** is one of the following. Entries are case sensitive.

White, Yellow, Green, Buff, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Unspecified, Blue, Other, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7

Supported by listed WorkCentre and WorkCentre Pro devices.

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	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_SIZE "*mm mm*";	%%OID_ATT_FIRSTLAST_PAGE_MEDIA_SIZE "*mm mm*";

Where **mm mm** is one of the metric sizes listed in the **MEDIA SIZE** table.

Supported by listed WorkCentre and WorkCentre Pro devices.

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	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_TYPE "*string*";	%%OID_ATT_FIRSTLAST_PAGE_MEDIA_TYPE "*string*";

Where **string** is one of the following. Entries are case sensitive.

Standard, Transparency, Labels, Drilled, Recycled, Preprinted, Envelopes, Cardstock, HeavyWeight2, Bond, Lightweight, LightCardStock, LightCardStock2, LightGlossy, LightGlossy2, HeavyGlossy, HeavyGlossy2, Tabs, Letterhead, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7, Unspecified, Other, System-Default.

Supported by listed WorkCentre and WorkCentre Pro devices.

INTERLEAVE	
This command identifies the type of page to insert between sets.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_INTERLEAVE OID_VAL_INTERLEAVE_***string***;	%%OID_ATT_INTERLEAVE OID_VAL_INTERLEAVE_***string***;
Where ***string*** is one of the following: NONE BLANK IMAGED	
Supported by listed WorkCentre and WorkCentre Pro devices.	

INTERLEAVE MEDIA COLOR	
This command identifies the color of the interleaved pages.	
PJL COMMENT Cmd	**DSC Comment Cmd**
@PJL COMMENT OID_ATT_INTERLEAVE_COLOR "***string***";	%%OID_ATT_INTERLEAVE_COLOR "***string***";
Where *string* is one of the following. Entries are case sensitive.	
White, Yellow, Green, Buff, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Unspecified, Blue, Other, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7	
Supported by listed WorkCentre and WorkCentre Pro devices.	

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>&l5X) and use letter size (<ESC>&l2A) is combined as: <ESC>&l5x2A

- 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 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.

DSC/PS Dependencies/Caveats

- All %% commands (DSC comments) must be in the first 64KB of the job.

- WorkCentres supports PostScript resolutions up to and including 1800 x 1800. Some PostScript jobs may not print if the high resolution is indicated. If this occurs, print the same job at a lower resolution.

- 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 that is used to access general print features as well as Document Centre product specific features. This template lists each feature and the syntax, both PCL commands and PJL, required to use these features. The next section of this document contains other examples of how to use these commands.

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

@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_%1BIP0,0,1016,1016SC0,600,0,600;_%1A_*v1O_*v1T_%0BFT10,0;_%0A_*p544x855Y_*c2160a3200b1P_(19U_(s4099t0b0s20.00h0P_*vT_%0BFT;_%0A_*p544x883Y

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

<ESC>%-12345X

Sample PCL Headers

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

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

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&12G

[Insert document or text to print here]

<ESC>%-12345X

Basic PostScript/DSC Template

This section illustrates a standard PostScript template that is used to access general print features as well as Document Centre product specific features. This template lists each feature and the syntax, both Postscript commands and DSC (Document Structuring Conventions) required to use these features.

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 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.

Example 1 Header for Simple Print

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

Example 2 Header for Proof Print

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

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
```

PostScript Fonts

The following PostScript fonts are resident on the WorkCentre devices that have the PostScript interpreter.

Identifying Trademark	Typeface	Identifying Trademark	Typeface
1. Albertus		62. Helvetica	Condensed Bold
2. Albertus	Italic	63. Helvetica	Condensed Bold Oblique
3. Albertus	Light	64. Helvetica	Narrow
4. AntiqueOlive	Roman	65. Helvetica	Narrow Oblique
5. AntiqueOlive	Italic	66. Helvetica	Narrow Bold
6. AntiqueOlive	Bold	67. Helvetica	Narrow Bold Oblique
7. AntiqueOlive	Compact	68. Hoefler	Text
8. Apple Chancery		69. Hoefler	Text Italic
9. ITC AvantGarde Gothic	Book	70. Hoefler	Text Black
10. ITC AvantGarde Gothic	Book Oblique	71. Hoefler	Text Black Italic
11. ITC AvantGarde Gothic	Demi	72. Hoefler	Ornaments
12. ITC AvantGarde Gothic	Demi Oblique	73. Joanna	
13. Bodoni	Roman	74. Joanna	Italic
14. Bodoni	Italic	75. Joanna	Bold
15. Bodoni	Bold	76. Joanna	Bold Italic
16. Bodoni	Bold Italic	77. LetterGothic	
17. Bodoni	Poster	78. LetterGothic	Slanted
18. Bodoni	Poster Compressed	79. LetterGothic	Bold
19. ITC Bookman	Light	80. LetterGothic	Bold Slanted
20. ITC Bookman	Light Italic	81. ITC Lubalin Graph	Book
21. ITC Bookman	Demi	82. ITC Lubalin Graph	Book Oblique
22. ITC Bookman	Demi Italic	83. ITC Lubalin Graph	Demi
23. Carta		84. ITC Lubalin Graph	Demi Oblique
24. Chicago		85. Marigold	
25. Clarendon	Roman	86. Monaco	
26. Clarendon	Light	87. ITC Mona Lisa Recut	
27. Clarendon	Bold	88. New Century Schoolbook	Roman
28. CooperBlack		89. New Century Schoolbook	Italic
29. CooperBlack Italic		90. New Century Schoolbook	Bold
30. Copperplate Gothic	32BC	91. New Century Schoolbook	Bold Italic
31. Copperplate Gothic	33BC	92. New York	
32. Coronet		93. Optima	Roman
33. Courier		94. Optima	Italic
34. Courier	Oblique	95. Optima	Bold
35. Courier	Bold	96. Optima	Bold Italic
36. Courier	Bold Oblique	97. Oxford	
37. GillSans		98. Palatino	Roman
38. GillSans	Italic	99. Palatino	Italic
39. GillSans	Bold	100. Palatino	Bold
40. GillSans	Bold Italic	101. Palatino	Bold Italic
41. GillSans	Condensed	102. Stempel Garamond	Roman
42. GillSans	Condensed Bold	103. Stempel Garamond	Italic
43. GillSans	Light	104. Stempel Garamond	Bold
44. GillSans	Light Italic	105. Stempel Garamond	Bold Italic
45. GillSans	Extra Bold	106. ITC Symbol	
46. Eurostile		107. Tekton	Regular (Taffy)
47. Eurostile	Bold	108. Times	Roman
48. Eurostile	Extended Two	109. Times	Italic
49. Eurostile	Bold Extended Two	110. Times	Bold
50. Geneva		111. Times	Bold Italic
51. Goudy Oldstyle		112. Univers 55	
52. Goudy Oldstyle	Italic	113. Univers 55	Oblique
53. Goudy	Bold	114. Univers 65	Bold
54. Goudy	BoldItalic	115. Univers 65	Bold Oblique
55. Goudy	ExtraBold	116. Univers 45	Light
56. Helvetica		117. Univers 45	Light Oblique
57. Helvetica	Oblique	118. Univers 57 Condensed	
58. Helvetica	Bold	119. Univers 57Condensed	Oblique
59. Helvetica	Bold Oblique	120. Univers 67Condensed	Bold
60. Helvetica	Condensed	121. Univers 67Condensed	Bold Oblique
61. Helvetica	Condensed Oblique	122. Univers 53Extended	

dc05cc0359

Identifying Trademark	Typeface	Identifying Trademark	Typeface
123. Univers 53Extended	Oblique	130. Arial	Italic
124. Univers 63Extended	Bold	131. Arial	Bold
125. Univers 63Extended	Bold Oblique	132. Arial	Bold Italic
126. Wingdings		133. Times New Roman	
127. ITC ZapfChancery	Medium Italic	134. Times New Roman	Italic
128. ITC ZapfDingbats		135. Times New Roman	Bold
129. Arial		136. Times New Roman	Bold Italic

Additional Information

Xerox Customer Service 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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