

**AS/400, I-Series Workstation
Customization Object Installation
and Setup Guide**

**A Possible Alternative for IPDS Printing
Using Standard Xerox Office Products**



**dc05cc0371
August 2, 2017
XTOOLS0923**

XEROX COPYRIGHT STATEMENT

ROX ®, The Document Company ®, the digital X ®, and all Xerox product names are trademarks of XEROX CORPORATION.
Other trademarks belong to their respective owners.
Copyright © XEROX CORPORATION 2014. All Rights Reserved.

Table of Contents

Table of Contents	3
Overview	4
Audience	4
Xerox Support	4
References	4
Prerequisites	4
What the WSCO Can Modify	4
What the WSCO Can Not Modify (see next section for possible solutions)	5
Printing AFP Documents	5
Installing the WSCO	5
Downloading the Zip File	5
Restoring the XTOOLSxxxx Save File to a Library	6
Compiling a WSCO	6
Creating a Device Description or a Remote Print Queue	6
Testing the Setup	8
Using the WSCO	8
Mapping Paper Trays from AS/400 to PCL	8
Changes in this release	12
Appendix	13
1. Xerox Supplied Command Definitions	13
2. Capturing a spool file to send to Xerox	13
3. CRTXDEVPRT Driver program option	14
4. To change the default paper size	17
5. To print on multiple size pages from the same tray	17

Overview

The Work Station Customization Object (WSCO) is a look up table that the host print transform (HPT) uses to translate AS400 commands to the equivalent PCL code specific to a printer. For example, the AS400 application will request printing to drawer 1. To send the correct tray call to the printer the HPT will look for drawer 1 in the product specific WSCO linked to that queue for the PCL tray code.

The XTOOLSxxxx library provides a source WSCO for each Xerox device supported.

Note: Throughout this document XTOOLSxxxx indicates the current WSCO version (xxxx represents the release number of the library you download).

The library also contains commands that simplify the processes of compiling the WSCO and creating device descriptions or remote queues. These commands just use the standard IBM O/S commands and show what options must be entered and not present the options that will use the default settings.

Audience

This document targets system administrators familiar with the AS/400 environment. A system administrator should plan to install the WSCO without requiring assistance from Xerox field personnel. The following section contains support information.

Xerox Support

Contact Customer Support for Phaser products at 1-800-835-6100.

For all other products, you can reach Xerox Customer Support at 1-800-821-2797 (USA), TTY 1-800-855-2880 or at <http://www.xerox.com>.

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

References

IBM AS/400 Printing V, (Red Book) – available on the IBM Web site.

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

Prerequisites

- AS/400 operating system V5R4 or higher.
- You must have IOSYSCFG permissions to create a device description or remote queue.

What the WSCO Can Modify

The WSCO can modify many print features including:

- Paper tray
- Duplex
- Form merges
- Characters per inch
- Lines per inch
- Orientation (landscape or portrait)
- Type style or typeface
- Margins (top, bottom, left, right)

What the WSCO Can Not Modify (see next section for possible solutions)

- The WSCO cannot modify and print an IPDS formatted file.
- It cannot process vector graphics or GOCA (Graphic Object Content Architecture – IBM’s vector graphic format)

Printing AFP Documents

The AS/400 has the ability to format a file for printing on an IPDS or an ASCII printer. The AS/400 writer looks at the Device Type in the “Device Description” file to determine which formatter to call. If the Device Type is *IPDS and AFP=*YES, then the writer hands the spool file to PSF. PSF queries the printer for print capabilities and spools the file to an IPDS printer. If the Device Type is 3812 and Host Print Transform (HPT)=*YES, then the writer hands the Spool file off to HPT. The HPT then looks at the WSCO for printer capabilities and spools the file to an ASCII printer.

Xerox devices do not support the IPDS format and require that the DEVICE TYPE in the “Printer File” be set to *AFPDS. No changes to the application are required. The one item that the HPT cannot process is vector graphics or GOCA (Graphic Object Content Architecture – IBM’s vector graphic format) resources. GOCA is generated by using the CHRSIZE DDS keyword. For the same results, use the FONT keyword – and select a scalable GFID (Global Font ID).

The Xerox supplied WSCO have pre-mapped the common AS400 fonts to standard PCL printer fonts. Fonts are easily added or changed in the WSCO if the application requires something different. Font support is documented in the AS/400 Version 5.1 *Printer Device Programming Manual*. You can select fonts in an AFPDS spool file by the DDS keyword FONT, or by using the default GFIDs indicated by the character per inch (CPI) value in the printer file. The FONT keyword also supports a *POINTSIZES parameter.

HPT does not require the presence of PSF on the AS/400. HPT and PSF can coexist at the same time, and drive the same printer. PSF provides its own writer, and HPT works through standard AS/400 writers.

PSF and HPT control the location of resources, such as fonts and overlays, in different ways. PSF uses a PSFCFG object to identify the library list. HPT does not have access to the PSFCFG. It requires all libraries that contain resources to be in the library list of the job or user who is printing the spool file.

Installing the WSCO

Downloading the Zip File

The XTOOLSxxxx.zip file contains an AS/400 save file and this installation document. The save file contains the library XTOOLSxxxx. The library and all of the contents are owned by user XRXUSR. Create a user profile called XRXUSR. To execute the XTOOLSxxxx commands a user must have the same level of authority required to execute the IBM command CRTDEVPRT.

1. Use a Web browser in the Windows environment to access www.xerox.com.
2. Select **Support & Drivers**.
3. Next to the **Search or choose** text box, type in the printer model. Once it appears in the drop-down menu that appears, click on the correct printer model.
4. Select **Drivers & Downloads** for your printer model.

NOTE: The library contains all the WSCOs for the products supported. It does not need to be downloaded for each product.

5. In the **Operating System** box, select **IBM AS/400**.
6. Select **AS/400 Workstation Customization Object for Xerox Products**.
7. Follow the instructions to download XTOOLSxxxx.zip and unzip it using an application such as WinZip.

Restoring the XTOOLSxxxx Save File to a Library

The following procedure requires that your user profile have save system authority (*SAVSYS) to restore the library. The authorities *ALLOBJ, *SPLCTL, and *IOSYSCFG are required to run the commands provided in XTOOLSxxxx, unless the administrator has made those commands public.

On the AS/400 command line, enter the following to create a save file in library QGPL, then press **Enter**:

CRTSAVF QGPL/XTOOLSxxxx

1. Open a Windows command prompt. Start an FTP session then type PWD to verify QGPL is your current library. If not, change the current library to QGPL. FTP the library XTOOLSxxxx you retrieved from the zip file to the save file QGPL/XTOOLSxxxx you created in step 1. You must set the FTP upload file type to BINARY.

```
ftp>put XTOOLSxxxx XTOOLSxxxx
```

2. On the AS/400 command line, enter the following to restore the library XTOOLSxxxx:

RSTLIB SAVLIB(XTOOLSxxxx) DEV(*SAVF) SAVF(QGPL/XTOOLSxxxx)

3. Add XTOOLSxxxx to your library list.

Compiling a WSCO

Note: To access online help for each command, enter the command and press the Help (F1) key. To access context sensitive help, enter the command on the command line and press the Prompt key (F4) then place the cursor on a parameter and press Help (F1).

The process to create a WSCO requires that the source from the XTOOLSxxxx library is compiled for your AS/400 release. Use the command CRTXWSC to compile the WSCO and place the compiled file in the XTOOLSxxxx library.

1. Verify that XTOOLSxxxx is in your library list.
2. Type **CRTXWSC** on the command line to compile the WSCO for your device and press F4.

```
                Create Xerox  WSC V1.1 (CRTXWSC)
Type choices, press Enter.
Name of Work Station Cust Obj . . . . . Hit F4 for list of WSCST's
Library Name . . . . . XTOOLS0711 Name
Source Member . . . . . Hit F4 for list of Members
Source File . . . . . QXTSRC Name
Library Name . . . . . XTOOLS0711 Name
```

3. Enter the following information:

Name of Work Station Cust Obj: A user-defined name that identifies the Xerox device.

Library Name: Name of the library where the compiled WSCO is saved. It is recommended to store the compiled WSCO in the same library as the source.

Source Member: The name of the WSCO that corresponds with the Xerox device for which this WSCO is created. For choices, consult the table in "Mapping Paper Trays from AS/400 to PCL," later in this document. Press F4 for a list of available Xerox WSCOs.

Source File: Enter QXTSRC as shown in the sample screen above.

Library Name: Enter XTOOLSxxxx as shown in the sample screen above. Change the xxxx numbers to match the version of the library down loaded.

Creating a Device Description or a Remote Print Queue

Note: The commands supplied are versions of the standard IBM commands but only offer the variables that require user input.

1. Enter one of these commands:
 - CRTXDEVPRT (recommended for most devices to avoid unexpected results)
 - CRTXRMTQ (for printing to the lpr port 515)

Note: The commands mentioned in step one above produce the same results as CRTDEVPR or CRTOUTQ with the exception that lines that use default options are removed so only lines that require input are displayed. The following image displays how the command looks using sample data.

2. Enter the following information based on the command you use:
 - a. If you use CRTXDEVPR a screen like the following one appears.

```

Create Xerox Printer V2.2 (CRTXDEVPR)

Type choices, press Enter.

Name of printer device . . . . . _____ Character value
Remote Location . . . . . _____

-----
WorkStation Custom Object . . . . . _____ Name
  Library Name . . . . . XT00LS0711 Name
Message Queue . . . . . *SYSOPR Name, *SYSOPR
  Library Name . . . . . *LIBL Name, *LIBL
User Space Name . . . . . XRXUSPC Name
  Library Name . . . . . XT00LS0711 Name
Paper Size Drawer 1 . . . . . *LETTER Character value, *LETTER...
Paper Size Drawer 2 . . . . . *LETTER Character value, *LETTER...
Envelope Size . . . . . *NONE Character value, *MONARCH...
Vary New Printer On? . . . . . *YES Character value, *YES, *NO
Driver Program . . . . . *IBMSNMPDRV Character value, *HPPJLDRV...
Bottom

```

Enter this information:

Name of printer device: User defined name for print queue.

Remote Location: IP address or host name of Xerox device. If you use an IP address, surround it with single quotes, for example, '111.111.1.100'.

WorkStation Custom Object: Type in the user-defined Xerox device name created when the WSCO was compiled. Press F4 to see the list.

Library Name: Name of the library where the source file is located after it is compiled. Use the name that matches the version of the library downloaded.

Message Queue: Location for saving error messages. *SYSOPR is the default but can be changed.

User Space Name: This is used by the XSNMPDRV for Prepend and Postpend options and is ignored by other driver programs.

Paper Size Drawer 1, 2, ENVELOPE: The default is *LETTER which means 8.5 x 11 paper size command will be sent to the printer. The print job will print on the loaded media. If this parameter is changed to *LEGAL or *A4 or ?, then the page size command will be sent along with the tray command. The printer will display a message to load the requested media size into the called tray if that media size is not loaded in that tray. If the tray will be used to print several different sizes of paper then the WSCO can be modified to not send a media size and only send a specific tray request.

Vary New Printer On? Yes

Driver Program: Enter *IBMSNMPDRV (default setting) for the Phaser products and for the WorkCentre products. See Appendix 2 for using the optional Xerox supplied *XSNMPDRV.

- b. If you use CRTXRMTQ, a screen like the following one appears.

```

Create Xerox Remote Q V1.1 (CATXAMTQ)

Type choices, press Enter.

Name of Remote Outq . . . . . [REDACTED] Name
Library Name . . . . . QGPL [REDACTED] Name
Printer Queue Name . . . . . _____ Character value
Remote Location . . . . . _____

-----

WorkStation Custom Object . . . _____ Hit F4 for list of WSCST's
Library Name . . . . . XT00LSxxxx Name

```

Enter this information:

Name of Remote Outq: User defined name of the remote queue.

Library Name: Name of the library where this queue is stored. Recommend using QGPL as shown in the sample screen above.

Printer Queue Name: If the Xerox device associated with this queue is a Document Centre or WorkCentre, enter 'lp' (include quote marks). If the Xerox device associated with this queue is a Phaser, enter AUTO.

Remote Location: The IP address or host name of the remote location. If you use an IP address, surround it with single quotes, for example, '111.111.1.100'.

WorkStation Custom Object: The user-defined Xerox device name you create when the WSCO is compiled.

Library Name – Name of the library where the source file is located after it is compiled. Use the name that matches the version of the library down loaded.

3. Press **Enter** when complete.
4. The queue is now ready to receive print jobs. Start the writer if it did not start automatically.
5. Repeat steps 1 through 4 for each Xerox device.

Testing the Setup

Use an existing print file or create a screen capture, move it to the print queue created in the previous section, and release it.

Using the WSCO

Mapping Paper Trays from AS/400 to PCL

A media source in an AS/400 printer file is indicated as a source drawer. Data description specifications (DDS) use the DRAWER keyword. The printer PCL command indicates the media source as a tray. AS/400 and PCL do not always use the same parameter value to refer to the same thing. DRAWER 1 may not map to TRAY 1.

The default settings for drawer to tray mapping are shown in the following table. The corresponding PCL code is also included. For example: the AS/400 printer file Source Drawer 2 selects tray 3 on the 3450 and the 4500, but selects tray 2 on the 4025 and the M20i. The PCL code for the 3450 drawer 2/tray 3 is "8" or ESC&I8H, for the 4500 drawer 2/tray 3 is "5" or ESC&I5H.

The WorkCentre products' default settings for paper type and color are plain and white. If the AS/400 file attribute for Source Drawer is set for a specific WorkCentre input paper tray, make sure the tray description on the WCP is set to match the default type, which is plain. On the WCP, if the type parameter is other than the default type, the spool file pulls media from a tray that has the default type (plain), or is held for resources depending on the WCP

model.

VersaLink and AltaLink products have standardized PCL5 tray parameters. Most models now include options to add additional media trays. In order to provide maximum flexibility, the I-Series Work Station Customization Objects (WSCO) now contain all the tray selection parameters for mapping the I-Series Drawers to Trays on the printer.

As an example, if the printer does not have a tray 4 and the I-Series spool file is set for DRAWER 4, the printer will use the default tray. Unless the user has changed it, the default tray is set to AUTO TRAY Switch. This means that the printer will pull from a tray whose paper size matches the paper specified in the spool file. Typically, this is “Letter” (8.5 by 11 inches). On the other hand, if the spool file is set to DRAWER 9, the WSCO will not generate a tray call at all, and again, the printer will use the default, selecting a tray that contains the paper specified in the spool. In addition, tray 5 in the printer is actually the Bypass Tray. So, if the spool file has Drawer 5 or Envelope or Drawer 10 specified, the printer will select the Bypass Tray. The WSCO’s do not have DRAWER 7, 8, or 9 defined.

To provide the greatest flexibility, these WSCO’s all include Color Support. If the spool file specifies “color,” and the printer supports color, the spool will print in color. The spool will print in black and white if the printer does not support color printing.

Product	WSCO	PAPER	ENVEL OPE	DRAW ER1	DRAW ER2	DRAW ER3	DRAWER4	DRAWER5	DRAWER6	DRAWER 10
ALB8xxx **	XRALX	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I22H)	Bypass (I2H)
ALC8xxx **	XRALX	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I22H)	Bypass (I2H)
CQ8560/70/80	XR85X	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)		MPT (I4H)
CQ8860/70/80	XR88X	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)		MPT (I4H)
CQ8700	XRXCQ8700	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)		MPT (I4H)
CQ8900	XRXCQ8900	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)		MPT (I4H)
CQ92xx	XRXCQ92XX	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 Bypass (I2H)	Tray 3 (I6H)	Tray 3 (I5H)	Tray 4 Bypass (I2H)
CQ93xx	XRXCQ93XX	Auto (I7H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 5 (I21H)	Tray 3 (I6H)	Tray 3 (I5H)	Tray 4 Bypass (I2H)
D95/110/125	XRDXX	Auto (I20H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I2H)	Tray 6 (I21H)	
M118	XRXM118	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)		Tray 1 MPT (I4H)
M123	XRXM123	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)		Tray 1 MPT (I4H)
M20i	XRXM20i	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)					MPT (I6H)
PE120	XRPE120	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)					MPT (I6H)
PH3200MFP	XR3200MFP	Tray 2 (I1H)	MPT (I4H)	Tray 1 (I1H)	Tray 2 (I5H)	Tray 2 (I5H)				Tray 1 MPT (I4H)
PH3250	XR3250	Tray 2 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I5H)	Tray 1 (I1H)				MPT (I2H)
PH3300MFP	XR3300MFP	Tray 1 (I1H)	MPT (I4H)	Tray 1 (I1H)	Tray 2 (I5H)	Tray 2 (I5H)				Tray 1 MPT (I4H)
PH3320/WC33xx	XR333X	Auto (I7H)	MPT (I4H)	Tray 2 (I2H)	Tray 3 (I5H)	Auto (I7H)				Tray 1 MPT (I4H)
PH3330	XR3330	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)					Bypass (I2H)
PH3450	XR3450	Tray 2 (I1H)	MPT (I4H)	Tray 2 (I1H)	Tray 3 (I8H)	Tray 3 (I8H)				Tray 1 MPT (I4H)

PH3500	XRX3500	Tray 2 (I1H)	MPT (I4H)	Tray 2 (I1H)	Tray 3 (I8H)	Tray 3 (I8H)					Tray 1 MPT (I4H)
PH3600	XRX3600	Tray 2 (I1H)	MPT (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)					Tray 1 MPT (I4H)
PH3610/WC 3615/55	XRX36X X	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)			Auto (I7H)
PH3635MFP	XRX3635 MFP	Auto (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 1 (I1H)					MPT (I2H)
PH4025	XRX4025	Tray 1 (I1H)	MPT (I6H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I5H)	Tray 4 (I20H)	Tray 5 (I21H)			Tray 1 MPT (I6H)
PH4400	XRX4400	Tray 1 (I1H)	MPT (I6H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I5H)	Tray 4 (I20H)	Tray 5 (I21H)			MPT (I8H)
PH4500	XRX4500	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)			Tray 1 MPT (I4H)
PH4510	XRX4510	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)					Tray 1 MPT (I4H)
PH4525	XRX4525	Tray 1 (I1H)	MPT (I6H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I5H)	Tray 4 (I20H)	Tray 5 (I21H)			Tray 1 MPT (I6H)
PH4600/20/2 2	XRX46X X	Auto (I7H)	MPT (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I9H)	Tray 6 (I22H)	Tray 6 (I22H)		Tray 1 MPT (I4H)
PH5400	XRX5400	Tray 1 (I1H)	MPT (I6H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I5H)	Tray 4 (I20H)	Tray 5 (I21H)			MPT (I8H)
PH55xx	XRX55X X	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)			Tray 1 MPT (I4H)
PH55xx w/Stpl & Pnch	XRX55X XSTP	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)			Tray 1 MPT (I4H)
PH6120	XRX6120	Tray 1 (I1H)	MPT (I1H)	Tray 2 (I2H)	Tray 2 (I2H)	Tray 1 (I1H)					Tray 1 MPT (I1H)
PH6128MFP	XRX6128 MFP	Tray 2 (I4H)	MPT (I2H)	Tray 2 (I4H)	Tray 3 (I1H)						Tray 1 MPT (I2H)
PH6130	XRX6130	Tray 1 (I1H)	MPT (I1H)	Tray 2 (I2H)	Tray 2 (I2H)	Tray 1 (I1H)					Tray 1 MPT (I1H)
PH6140	XRX6140	Tray 1 (I4H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 1 (I1H)					Tray 1 MPT (I2H)
PH6180/618 0MFP	XRX6180	Tray 2 (I4H)	MPT (I2H)	Tray 2 (I4H)	Tray 3 (I1H)						Tray 1 MPT (I2H)
Product	WSCO	PAPER	ENVEL OPE	DRAW ER1	DRAW E R2	DRAW E R3	DRAW E R4	DRAW E R5	DRAW E R6	DRAW E R10	
PH6250	XRX625 0	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I4H)	Tray 4 (I5H)					Tray 1 MPT (I2H)
PH6280	XRX628 0	Tray 2 (I4H)	MPT (I2H)	Tray 2 (I4H)	Tray 3 (I1H)						Tray 1 MPT (I2H)
PH6300/50/60	XRX63X X	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)			Tray 1 MPT (I4H)
PH6500/6505MFP	XRX65X X	Tray 1 (I4H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I22H)		Tray 5 MPT (I2H)
PH6510	XRX651 X	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)						Bypass (I2H)
PH6600/WC6605	XRX66X X	Tray 1 (I4H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)						Bypass (I2H)
PH6700	XRX670 0	Auto (I0H)	MPT (I4H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I20H)	Tray 5 (I6H)	Tray 6 (I22H)		
PH7100/WC7120/ 25/32	XRX71X X	Tray 1 (I4H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)				Tray 5 MPT (I2H)
PH7300	XRX730 0	Tray 1 (I1H)	MPT (I6H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I5H)	Tray 4 (I20H)	Tray 5 (I21H)			MPT (I8H)
PH7400	XRX740 0	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)			Tray 1 MPT (I4H)
PH7500	XRX750 0	Tray 2 (I1H)	MPT (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 2 (I1H)			Tray 1 MPT (I4H)
PH7750	XRX775 0	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I4H)	Tray 4 (I5H)					Tray 1 MPT (I2H)
PH7760	XRX776 0	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)			Tray 1 MPT (I4H)

PH7800	XRX7800	Auto (I0H)	MPT (I4H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I20H)	Tray 5 (I6H)	Tray 6 (I22H)	
PH8400	XRX8400	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I4H)	Tray 4 (I5H)				Tray 1 MPT (I2H)
PH8500/50/60/MFP	XRX85XP	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)		Tray 1 MPT (I4H)
PH8800/50/60/MFP	XRX88XP	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)		Tray 1 MPT (I4H)
VLB400 **	XRXVLB	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)					Bypass (I2H)
VLB405 **	XRXVLB	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)					Bypass (I2H)
VLB6xx **	XRXVLX	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I22H)	Bypass (I2H)
VLB7xxx **	XRXVLX	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I22H)	Bypass (I2H)
VLC400 **	XRXVLC	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)				Bypass (I2H)
VLC405 **	XRXVLC	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)				Bypass (I2H)
VLC5xx **	XRXVLX	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I22H)	Bypass (I2H)
VLC6xx **	XRXVLX	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I22H)	Bypass (I2H)
VLC7xxx **	XRXVLX	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I22H)	Bypass (I2H)
WC3220	XRXWC32XX	Tray 1 (I1H)	MPT (I4H)	Tray 1 (I1H)	Tray 2 (I5H)	Tray 3 (I8H)				Tray 1 MPT (I4H)
WC3335/45	XRX33X5	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)					Bypass (I2H)
WC3550	XRXWC3550	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 HiCap (I5H)		Tray 1 Bypass (I2H)
WC4150	XRXWC4150	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)			MPT (I2H)
WC4250	XRXWC4250	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 HiCap (I7H)		Bypass (I2H)
WC4260	XRXWC4260	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 HiCap (I7H)		Bypass (I2H)
WC4265	XRXWC4265	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	HiCap Tray (I5H)		Bypass (I2H)
WC5020	XRXWC5020	Auto (I20H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I2H)	Tray 6 (I21H)	
WC50xx	XRXWC50XX	Tray 1 (I1H)	MPT (I6H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)			Tray 1 Bypass (I2H)
WC51xx	XRXWC51XX	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 HiCap (I5H)		Bypass (I2H)
WC52xx	XRXWC52XX	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I2H)	Tray 6 (I21H)	
WC53xx	XRXWC53XX	Auto (I20H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I2H)	Tray 6 (I21H)	
WC56xx	XRXWC56XX	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 HiCap (I7H)		Bypass (I2H)
WC57xx	XRXWC57XX	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 HiCap (I5H)		Tray 1 Bypass (I2H)

WC58xx *	XRXWC 58XX	Auto (I7H)	MPT (I33H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)	Auto (I7H)
WC59xx *	XRXWC 59XX	Auto (I7H)	MPT (I33H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)	Auto (I7H)
WC6400	XRXWC 64XX	Tray 2 (I4H)	MPT (I2H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 (I6H)	Tray 6 (I5H)	Tray 2 (I4H)	Tray 1 Bypass (I2H)
WC6515	XRX651 X	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)					Bypass (I2H)
WC6655	XRX66X X	Tray 1 (I4H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)					Bypass (I2H)
WC72xx	XRXWC 72XX	Tray 1 (I4H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)		Auto (I20H)
WC73xx	XRXWC 73XX	Tray 1 (I4H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)		Auto (I20H)
Product	WSCO	PAPER	ENVEL OPE	DRAW ER1	DRAW ER2	DRAW E R3	DRAWER4	DRAWER5	DRAW E R6	DRAWER 10
WC74xx	XRXWC7 4XX	Tray 1 (I4H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 Bypass (I2H)	Tray 6 (I21H)	Auto (I20H)
WC75xx	XRXWC7 5XX	Auto (I7H)	MPT (I21H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)	Auto (I21H)
WC76xx	XRXWC7 6XX	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 (I6H)	Tray 6 (I5H)	Tray 1 Bypass (I2H)
WC77xx	XRXWC7 7XX	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 (I6H)	Tray 6 (I5H)	Tray 1 Bypass (I2H)
WC78xx *	XRXWC7 8XX	Auto (I7H)	MPT (I33H)	tray 1 (I4H)	tray 2 (I1H)	tray 3 (I5H)	tray 4 (I8H)	tray 5 (I21H)	tray 6 (I22H)	Auto (I7H)
WC79xx *	XRXWC7 9XX	Auto (I7H)	MPT (I33H)	tray 1 (I4H)	tray 2 (I1H)	tray 3 (I5H)	tray 4 (I8H)	tray 5 (I21H)	tray 6 (I22H)	Auto (I7H)
WCC2424	XRXC24 24	Tray 2 (I1H)	MPT (I2H)	Tray 2 (I1H)	Tray 3 (I4H)	Tray 4 (I5H)				Tray 1 MPT (I2H)
WCP	XRXWC P	Tray 1 (I1H)	MPT (I2H)	Tray 1 (I1H)	Tray 2 (I4H)	Tray 3 (I23H)	Tray 4 (I24H)	Tray 5 HiCap (I5H)		Tray 1 Bypass (I2H)
X4112/27	XRX41X XCP	Auto (I20H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I2H)	Tray 6 (I21H)	
XC550/560/570	XRXWC5 XX	Auto (I7H)	MPT (I2H)	Tray 1 (I4H)	Tray 2 (I1H)	Tray 3 (I5H)	Tray 4 (I8H)	Tray 5 (I21H)	Tray 6 (I22H)	Tray 5 MPT (I21H)

*** Drawers not listed above:**

D95/110/125 & X4112/27

DRAWER7 = Tray 7 (I22H), DRAWER8 = Tray 8 (I39H)

WC58xx & WC59xx

DRAWER7 = Tray 7 (I23H), DRAWER8 = Inserter Tray (I32H)

WC78xx & WC79xx

DRAWER7 = Tray 7 (I23H), DRAWER9 = Inserter Tray (I32H)

**** AL = AltaLink; VL = VersaLink**

Changes in this release:

- VersaLink B7xxx has been added as XRXLX
- VersaLink C7xxx has been added as XRXLX
- VersaLink B6xx has been added as XRXLX
- VersaLink C5xx has been added as XRXLX
- VersaLink C6xx has been added as XRXLX
- AltaLink B8xxx has been added as XRXLX
- AltaLink C8xxx has been added as XRXLX

Appendix

1. Xerox Supplied Command Definitions

Commands 1-3 are front ends or pre-processing objects and invoke the IBM command to create each object. Commands 4 and 5 are used to capture a spool file that allows Xerox technical support to re-create a problem for troubleshooting. The commands adhere to the IBM SAA standard for AS/400. They support F5 for Refresh, F3 for Exit and F12 for Cancel. They also support context sensitive online help via F1 and Prompting via F4. The source code to these programs and commands are included and are in the files QCLSRC, QRPGRSC, QTXTSRC, QCMDSRC, QPNLSRC and QCSRC.

1. **CRTXDEVPRT** This command creates a Device Description for a printer. The Xerox command only requires the parameters that apply specifically to a Xerox printer. It also offers online help for each parameter and an explanation of the choices. This command enables printing using either the SNMP or HPPJL protocol. This command enables printing using one of two driver programs the IBM SNMP driver, the HP PjL Driver. The IBM SNMP driver and the HP PjL driver are System Driver programs supplied by IBM.
2. **CRTXRMTQ** This command creates a Remote Output Queue and Remote Writer. This command enables printing using the LPR protocol.
3. **CRTXWSC** This command creates the Work Station Customization Tables used in the two previous commands. The host print transform uses these tables to convert the EBCDIC AFPDS (IBM's Advanced Function Presentation Data Stream) or SCS (IBM's SNA Character String) data stream to ASCII PCL that prints on Xerox devices.
4. **XXRGETSPLF** This command invokes the **XXRSAVSPLF** command then automatically creates the save file and invokes SAVOBJ to save the user space to the save file.
5. **XXRSAVSPLF** This command allows the capture of a spool file to a user space.
6. **CALL COLRTEST** Will create a spool file using the 6 colors available for printing in the default output queue.

2. Capturing a spool file to send to Xerox

The command to use is **XXRGETSPLF**

The first step is to get the spool file characteristics.

To prepare a "spool file" for email, open the print queue (**WRKOUTQ <queuename>**) select the spooled file and press 8 to display the file attributes. The following shows the top of the screen:

```
Work with Spooled File Attributes
Job . . . . . : CZH9VH1      File . . . . . : QSYSPRT
User . . . . . : DELM        Number . . . . . : 000003
Number . . . . . : 015344    Creation date . . . : 05/11/09
Job system name . . : S10320F2  Creation time . . . : 15:20:39

Status . . . . . : HELD
Output queue . . . : PRT01
```

Record the five items listed at the top of the page – file Name, file Number, Job Name, User Name, and Job number.

At a command line type **XRXGETSPLF** and press **F4** to list the fields that require data. Enter the data from the previous screen as shown in the example below. Specify a Save File Name and Library QGPL. Press enter to create a save file.

```

XRXGETSPLF Ver 1.1 (XRXGETSPLF)

Type choices, press Enter.

Spool file Name . . . . . QSYSPRT      Character value
Spool file Number . . . . . 3          Character value
Job Name . . . . . CZH9VH1         Character value
User Name . . . . . DELM           Character value
Job Number . . . . . 015344        Character value
Save File Name . . . . . TESTSPLF   Name
Library Name . . . . . QGPL         Character value
  
```

From a PC or email server use the FTP command with the transfer file type set to BINARY to get the “save file” from the AS400.

Open a DOS Command window (Start/Run/CMD). Change directory to that of where you wish to put the file from the AS400. Then, ftp to your AS400:

ftp xx.xx.xx.xx = IP address of the AS400

Login with the proper user credentials on the AS400

At the ftp prompt, type bin (for binary mode)

At the ftp prompt, type PWD (make sure the current library is QGPL)

At the ftp prompt, type 'get filename' (filename is the file that was saved on the AS400 from the XRXGETSPLF command)

The “save file” can then be email to Xerox technical support for analysis.

3. CRTXDEVPRT Driver program option

When using the CRTXDEVPRT you have the choice of using the IBM supplied drivers IBMSNMPDRV, HPPJLDRV or the Xerox driver called XSNMPDRV that is modeled after the IBMSNMPDRV but has some enhanced features.

The Xerox SNMP driver adds the capability to Prepend or Postpend printer setup functions such as stapling or hole punching not available in the WSCO. The Prepend collection is transmitted before the spool file data. The Postpend collection is transmitted after the spool file data. The sample source files are located in QTXTSRC in the XTOOLSxxxx library. This is the same source file that contains the source for the Xerox WorkStation Customization Tables. One way to create the source files is to use “strpdm” and copy the Prepend and Postpend examples to make new files for editing. Control characters are entered into the source file using the hex value so the esc character would be \x1b. A line feed would become \x0a.

Even though lines in source members are typically delimited by New Line characters it is required that the user add the \x0a as a line terminator at the end of each line so that when the source text is converted to ASCII it knows which lines to include in the data sent to the printer.

The XSNMPDRV owner and authority is set to XRXUSER and Use adopted authority is *YES. This must be changed to *OWNER and *NO for Use adopted authority.

```

Session A - [24 x 80]
File Edit View Communication Actions Window Help
Change Program (CHGPGM)

Type choices, press Enter.

Program . . . . . > XSNMPDRV      Name, generic*, *ALL
Library . . . . . > XTTOOLS0715  Name, *USRLIBL
Optimize program . . . . . *NONE      *SAME, *YES, *FULL, *BASIC...
User profile . . . . . QSYS        *SAME, *USER, *OWNER
Use adopted authority . . . . . *NO      *SAME, *YES, *NO
Remove observable info . . . . . *DBGDTA   *SAME, *ALL, *NONE...
                               *BLKORD
                               + for more values *PRCORD

Enable performance collection:
Collection level . . . . . *SAME      *SAME, *NONE, *PEP, *FULL...
Procedures . . . . .          *ALLPRC, *NONLEAF
Profiling data . . . . . *NOCOL     *SAME, *NOCOL, *COL, *CLR...
Teraspace . . . . . *NO          *NO, *YES, *SAME
Force program re-creation . . . . . *NO      *NO, *YES, *NOCRT
Text 'description' . . . . . '05/19/2009 adding pre post support again

Bottom

F3=Exit  F4=Prompt  F5=Refresh  F10=Additional parameters  F12=Cancel
F13=How to use this display  F24=More keys

MA a 09/040
[902 - Session successfully started]

```

```

Session A - [24 x 80]
File Edit View Communication Actions Window Help
Change Object Owner (CHGOBJOWN)

Type choices, press Enter.

Object . . . . . > XSNMPDRV      Name
Library . . . . . > XTTOOLS0715  Name, *LIBL, *CURLIB
Object type . . . . . *PGM        *ALRTBL, *AUTL, *BNDDIR...
ASP device . . . . . *          Name, *, *SYSBAS
New owner . . . . . delm        Name
Current owner authority . . . . . *REVOKE   *REVOKE, *SAME

Bottom

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys

MA a 09/041
[902 - Session successfully started]

```

The Prepend data is actually transmitted to the printer in front of the translated spool file data. Host Print Transform then uses the information in the WSCST to translate and format the spool file data. The first item to be transmitted is the PCL RESET

command, as per the WSCST. The last item sent is the RESET followed by a Universal Exit Language PJI command. If it is desired to transmit commands that require being inside the first RESET and the last UEL, then the best solution is to comment out the Init and RESET keywords in the WSCST and include them in the PRE/POST Pend. The screen shot below is the data contained in the PREPEND11 example provided.

```

Columns . . . : 1 80                               Edit                               XT00LS0509/QTXTSRC
SEU=>                                                PREPEND11
FMT ** ..... 1 ..... 2 ..... 3 ..... 4 ..... 5 ..... 6 ..... 7 ..... 8
***** Beginning of data *****
0001.00 // To provide comments, any data after 2 consecutive slashes '//'          090629
0002.00 // to the end of the line are treated as comments.                        090624
0003.00 // They will not appear in the pre or post pend buffer.                  090624
0004.00 // they will not be retrieved by the RTVPREPOST command.                 090624
0005.00 \x1b%-12345X@PJI\x0a// UEL                                              090625
0006.00 @PJI SET FINISH=STAPLEFRONT \x0a//any line with the hex introducer      090629
0007.00 // anywhere in the line is what is sent to printer                      090629
0008.00 @PJI SET FINISH=STAPLEREAR \x0a                                          090625
0009.00 @PJI SET FINISH=STAPLELUAL \x0a                                          090625
0010.00 @PJI SET XPUNCH=ON \x0a                                                 090625
0011.00 \x1b%-12345X                                                            090625
0012.00 // Any hex data intended to be sent to the printer can be entered by    090625
0013.00 // entering an introducer. The forward slash followed immediately      090625
0014.00 // by a lower case 'x'                                                  090625
***** End of data *****

```

The EBCDIC source text is converted to ASCII by using the CRTPREPEND command supplied in the XT00LSxxx library. The program is looking for both a Prepend and Postpend file even if only one is being used and the other only has comments in it.

```

CRTPREPOST Ver. 1.1 (CRTPREPOST)

Type choices, press Enter.

Pre Source File . . . . . QTXTSRC      Name
  Library Name . . . . . XT00LS0509   Name
Member Name . . . . .                Name
Post Source File . . . . . QTXTSRC      Name
  Library Name . . . . . XT00LS0509   Name
Member Name . . . . .                Name
User Space . . . . . XRXUSPC         Name
  Library Name . . . . . XT00LS0509   Name

```

The RTVPREPOST command retrieves the ASCII text and data from the User Space and puts it in the source member specified. An editor can then be used to make additional changes as needed.

NOTE: The translation from EBCDIC to ASCII/hex in both directions requires that the end of a line be readily identifiable. Put a "\x0a" at the end of each line when creating a Prepend or Postpend file.

To recall the pre and post pend files enter the RTVPREPOST and press F4 at the command line. Enter the two member names to retrieve. Make the changes that you want then repost using the CRTPREPOST command.

```

RTVPREPOST Ver. 1.1 (RTVPREPOST)

Type choices, press Enter.

Pre Source File . . . . . QTXTSRC      Name
  Library Name . . . . . XT00LS0509   Name
Member Name . . . . .                Name
Post Source File . . . . . QTXTSRC      Name
  Library Name . . . . . XT00LS0509   Name
Member Name . . . . .                Name
User Space . . . . . XRXUSPC         Name
  Library Name . . . . . XT00LS0509   Name

```


4. To change the default paper size.

With "Paper Size Drawer 1" set to "LETTER" the HPT will send both a specific tray and a specific paper size commands to the printer. When creating a print queue the default page size is set to "LETTER" for all the trays. If A4 will be the default then change letter to A4 for Source Drawer 1 and 2 when using the CRTXDEVPRT command.

```

Create Xerox Printer V2.2 (CRTXDEVPRT)

Type choices, press Enter.

Name of printer device . . . . . _____ Character value
Remote Location . . . . . _____

-----
WorkStation Custom Object . . . . . _____ Name
Library Name . . . . . XT00LS0711 Name
Message Queue . . . . . *SYSOPR Name, *SYSOPR
Library Name . . . . . *LIBL Name, *LIBL
User Space Name . . . . . XRUSPC Name
Library Name . . . . . XT00LS0711 Name
Paper Size Drawer 1 . . . . . *A4 Character value, *LETTER...
Paper Size Drawer 2 . . . . . *A4 Character value, *LETTER...
Envelope Size . . . . . *NONE Character value, *MONARCH...
Vary New Printer On? . . . . . *YES Character value, *YES, *NO
Driver Program . . . . . *IBMSNMPDRV Character value, *HPPJLDRV...
Bottom
  
```

5. To print on multiple size pages from the same tray

To print different size pages from the same tray requires a change to the WSCO for that product. The solution is to leave the "Paper Size Drawer 1 and 2" set to "LETTER" and remove the PCL command for letter on the "DATA" line for the WSCO in the QTXTSRC file provided. Change DATA ='1B266C303241'X. /* esc&l02A */ to DATA=' X. /* esc&l02A */. The escape command calling for 02A is the request to print on letter size paper. That is why the change is made to this line of data.

```

Columns . . . : 1 80 Br
SEU=>
FMT ** ...+... 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+..
0183.00 PAGLEN=14544
0184.00 DATA ='1B266C343541'X. /* esc&l45A */
0185.00 :PAGSIZE
0186.00 PAGWTH=14570
0187.00 PAGLEN=20636
0188.00 DATA ='1B266C343641'X. /* esc&l46A */
0189.00 :PAGSIZE
0190.00 PAGWTH=10440
0191.00 PAGLEN=15120
0192.00 DATA ='1B266C303141'X. /* esc&l01A */
0193.00 :PAGSIZE
0194.00 PAGWTH=12240
0195.00 PAGLEN=15840
0196.00 DATA ='1B266C303241'X. /* esc&l02A */
0197.00 :PAGSIZE
0198.00 PAGWTH=12240
0199.00 PAGLEN=20160
0200.00 DATA ='1B266C303341'X. /* esc&l03A */
0201.00 :PAGSIZE
0202.00 PAGWTH=15840
  
```

Remove the hex data for the esc&l02A letter request

so the line looks like this

DATA=' X. /* esc&l02A */. Leaving the comment between the /* and */ helps identify the page size as letter for future reference if other changes are made to the source file.