

XEROX[®]

Wide Format

**XEROX FreeFlow
AccXES Firmware
10.3.1 b 220
(for HFT,PUN Controllers)**

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1 Introduction

The AccXES Controller Firmware Release 10.3.1 b 220 provides multinational software for the Xerox 6030/6050 Wide Format Solution, Xerox Wide Format Print Systems 8825, 8830, 8850, 510dp, 721p, and for the Xerox Wide Format Scan System. The languages supported are English, Deutsch, Espanol, Francais, Italiano, Portugues, and Russian.

This document presents the following information about the AccXES Controller Release 10.3.1 build 220.

- Release deliverables
- Recommended configurations
- Installation procedures
- Present supplemental information and known issues that are not mentioned in the published customer user documentation.
- New features

1.1 FEATURE KEYS:

Feature keys from before version 9.0 B180 are no longer useable with version 10.3.1 b 220 firmware. New keys must be acquired from the Xerox website to use your system. Downgrading below 9.0 B 180 will also require you to re-download your feature keys. This applies to AccXES controller resident feature keys only: Postscript, Job Accounting, Scan to Net, and Scan to Print.

1.1.1 Feature Key Descriptions

Print and Copy Feature Keys are standard with AccXES 10.3.1 build 220 firmware for all printers except the Xerox 6030/6050 Wide Format.

Additionally, the following functions will be unavailable until the appropriate feature key is loaded.

- Job Accounting Enables tracking media usage data for print, scan and copy jobs. Account Management Tool, or some other external accounting tool, is used to assign User Id, Account Id, Printer Id associations, then collects and tallies the stored data from the printers)
- PostScript – Enables the interpretation of Adobe Postscript 3 and PDF 1.3 files.
- Disk Image Overwrite – Enables the security options for overwriting image data on the hard drive.
- Xerox Wide Format Scanner Features:
 - Scan to Net - To create an electronic file from a scanned image.

Scan to Print - To scan, create a preview, and send the scanned image to the printer.
Must also have Scan-to-Net is present.

Color Enablement – AccXES - Allows color scanning when scan to net license is present.

Speed Enhancement Turbo II – AccXES - Enables 4 ips scan speed for 36” wide.

Speed Enhancement Turbo III – AccXES – Enables 7.33 ips Scanning on HFT/PUN model
controllers only

- Xerox 6030/6050 Wide Format Printer

Print Server Enablement – Enables print and copy mode for remote printer.

For more information on Feature Keys, see the Feature Key Instructions and Coupon Exchange screens on the www.xes.com/keys website.

2 Release Deliverables

2.1 Xerox 6030/6050 Wide Format Solution

The following executable is provided for the Xerox 6030/6050 Wide Format Solution and supports the Xerox Wide Format Scan System.

HFT Controller – HFT_6030_10_3_1b220.disk.bin (file size = 7,730,996 bytes)

PUN Controller – PUN_6030_10_3_1b220.disk.bin (file size = 7,730,996 bytes)

2.2 Xerox 8850, 510dp Print Systems

The following executables are provided for the Xerox Wide Format Print System 8850, and 510dp and support the Xerox Wide Format Scan System scanner.

HFT Controller – HFT_8850_10_3_1b220.disk.bin (file size = 7,635,755 bytes)

HFT Controller – HFT_510dp_10_3_1b220.disk.bin (file size = 7,635,755 bytes)

PUN Controller – PUN_8850_10_3_1b220.disk.bin (file size = 7,635,755 bytes)

PUN Controller – PUN_510dp_10_3_1b220.disk.bin (file size = 7,635,755 bytes)

2.3 Xerox Print System 721p

The following executables are provided for the Xerox Wide Format Print System 721p and support the Xerox Wide Format Scan System scanner.

HFT Controller – HFT_721p_10_3_1b220.disk.bin (file size = 7,593,726 bytes)

PUN Controller – PUN_721p_10_3_1b220.disk.bin (file size = 7,593,726 bytes)

2.4 Xerox 8825, 8830 Print Systems

The following executables are provided for the Xerox Wide Format Print System 8825, 8830 and support the Xerox Wide Format Scan System scanner.

NOTE: You must load version 9.0 before loading this Firmware

HFT Controller – HFT_8830_10_3_1b220.disk.bin (file size = 7,635,372 bytes)

PUN Controller – PUN_8830_10_3_1b220.disk.bin (file size = 7,635,372 bytes)

2.5 Xerox Print System X2 TECH

The X2 TECH is no longer supported.

3 Recommended Configurations

Table 1: Minimum (Min.) and Recommended (Rec.) RAM Configurations (MB)
F45Y,CNG,N5T, EV4, KLF, and UP8 controllers are no longer supported.

System	HFT/PUN Controller	
	Min.	Rec.
8825, 8830, 8850, 510, 6030, 6050	128	256
721	256	512

4 Release Installation

NOTES:

Feature keys from before version 9.0 B180 are no longer useable with version 10.3.1 firmware. New keys must be acquired from the Xerox website to use your system. Downgrading below 9.0 B 180 will also require you to re-download your feature keys.

*The AccXES Revision **MUST** be **9.0 or higher** to upgrade to 10.3.1. If your current version is lower than 9.0, you must install 9.0 or higher **before** upgrading to 10.3.1.*

*Regarding scanner firmware revisions: If you are upgrading the firmware of a system containing a Xerox Wide Format Scanner, you must also ensure that the scanner firmware is upgraded, **prior to upgrading the controller**, to the following version:*

- ***Xerox Wide Format Scanner – version 2.2.4 or greater. Version 3.2.6 or greater needed for full functionality.***
- ***Xerox 7356 and 7346 Scanners are no longer supported.***

5 New Features of 10.3.1 b 220

The following is a list of new features since version 10.2 of the Accxes Controller.

5.1 Remote Media Mismatch for 6030/6050

Accxes version 10.3.1 now supports remote media mismatch for the 6030 / 6050 printers. The feature can be found in WebPMT:

PRINTER DEFAULTS>PROCESSING DEFAULTS>Media

When this feature is enabled, Accxes will submit the page to the remote printer regardless of installed media. If the required media is not installed, the 60X0 will mismatch for the appropriate media and WebPMT will display "Printer Needs Attention" until the mismatch is resolved. Accxes will never mismatch block.

When this feature is disabled, Accxes media mismatch will work the same as it does for all other supported IOTs.

The Mismatch Queuing feature is mutually exclusive of this new setting. It will work as it always has regardless of this setting.

6 10.0-10.2 Feature Enhancements

The following features were added in releases between 10.0 and 10.2 and are listed here as a convenience for users.

6.1 Turbo III speeds supported for Scan-To-Net

The 7.33 ips scanning mode which is enabled by turbo III feature key is now supported for scan to net scans in normal mode.

6.2 Check Plot checkbox

A new checkbox is now available to specify if check-plots should be printed during the scanning of a copy set or not. The checkbox is on the "Sets Build" screen.

When scanning in a copy set, the system would often print each page as it was scanned in to show the copy quality of the page. There was a complex algorithm that decided if a check-plot should be printed based on the collation order and the stacking order of the tray or folder.

Version 10.2 replaces the algorithm with a checkbox on the set build screen to allow the user to specify if a check-plot should be printed or not regardless of collation.

6.3 Copier Margin range increased to +/- 8 inches

The margin settings for copies can now be specified up to +/- 8 inches. This menu can be reached by selecting the "Transform" key on the scanner UI and selecting "Margins"

6.4 Disk Logging setting added to WebPMT

On the "Printer Setup" page there is a new checkbox for "Disk Logging" which is used for enabling and disabling the log of system messages to the hard drive. These messages are especially useful to trained Xerox personnel when diagnosing problems. Turning disk logging off does not erase the log file, it simply closes it and does not write any more records to it. Turning disk logging on begins to append new information to the bottom of the log file.

The default setting is "ON"

6.5 Added support for 440, 620 and 880mm rolls for 6030/6050 printers

Support for these special ISO sizes has been added for the 6030/6050 printers.

To use these sizes, the roll must be configured for the "Spa2" series.

6.6 Support for 30 inch roll on 6030/6050 printer

Support of 30 inch rolls on the 6030/6050 printer changed for version 3.2.00. Version 10.1 of AccXES supports 3.2.00 version of 6030/6050 printer and later. See you local Service Representative for proper installation and configuration of the 3.2.00 printer firmware.

6.7 Disk Image Overwrite

The main feature for this release is the security feature, disk image overwrite. This feature provides a means to securely overwrite the entire hard drive, or setup the system to securely overwrite image data when it is no longer needed, i.e. the job has printed. Details of this feature can be found in the “Release Notes” section of this document.

6.8 Scan To FTP

This feature allows users to scan documents to one of four FTP destinations. The destinations MUST be setup by the system administrator. See the “Release Notes” section of this document for more details.

6.9 Maximum Copy Length

This feature allows the user to specify the maximum output length of a copy. The maximum length can be changed via the scanner UI in the following location:

MENU>CONFIGURATION>COPY OPTIONS>IMAGING>MAXIMUM COPY LENGTH

NOTE: The maximum copy length defaults to the maximum length that the attached printer can print. For the 8825, 8830, 8850, and 510 Series this value is 1200 inches. For the 721P this is either 6 meters or 16 meters based on the configuration of the printer. For the 6030 and 6050 this value defaults to 3 meters.

7 Release Notes

The following information supplements the 10.X customer user guides.

7.1 Controller

7.1.1 Disk Image Overwrite

7.1.1.1 OVERVIEW

The Disk Image Overwrite feature has two operations: Immediate and On Demand. The immediate operation overwrites image data on the hard drive immediately after it is no longer needed (i.e. When the page has printed). The On Demand operation cleans the entire disk. Both On Demand Image Overwrite and Immediate Image overwrite feature are configured by the system administrator, assuming that the system administrator password is set to a non-zero value.

7.1.1.2 ALGORITHM

The overwrite algorithm for both IIO and ODIO conforms to the U.S. Department of Defense Directive 5200.28-M (Section 7, Part 2, paragraph 7-202), and is common to all WorkCentre/WorkCentre Pros and AccXES controllers.

The algorithm for the Image Overwrite feature is:

Step 1: Pattern #1 is written to the sectors containing temporary files (IIO) or to the entire spooling area of the disk (ODIO). (hex value 0x35 (ASCII "5")).

Step 2: Pattern #2 is written to the sectors containing temporary files (IIO) or to the entire spooling area of the disk (ODIO). (hex value 0xCA (ASCII compliment of 5)).

Step 3: Pattern #3 is written to the sectors containing temporary files (IIO) or to the entire spooling area of the disk (ODIO). (hex value 0x97 (ASCII "ú")).

Step 4: 10% of the overwritten area is sampled to ensure Pattern #3 was properly written. The 10% sampling is accomplished by sampling a random 10% of the overwritten area.

7.1.1.3 USING ON DEMAND IMAGE OVERWRITE (ODIO)

The On Demand Image Overwrite (ODIO) feature is designed to clean the system after it has been used by overwriting the entire HDD and is activated by pressing the “Start” button on the Security Feature Web Pages shown below. After pressing the “Start” button, the AccXES controller will post a message to the Printer UI display (if there is one) and then reboot. The HFT and PUN controllers will indicate the progress of the operation via the LED’s on the front panel. The printer UI on the 510, 8850, 8830, and 8825 will also display progress. The WebPMT and scanner UI will NOT be active until the operation is complete.

When the ODIO operation is complete, the controller will print a status page and then resume normal operation.

The screenshot shows the Xerox FreeFlow Accxes Web Print Management Tool interface. The top navigation bar includes the Xerox logo, the FreeFlow logo, and a 'BACK TO MAIN' link. Below this is a secondary navigation bar with links for 'SESSION SETUP', 'PRINTER DEFAULTS', 'ACCOUNTING', 'HELP', and 'ABOUT'. On the left side, there is a vertical menu of 'UTILITIES' including Configuration, Feature Configuration, Upload File, Change Password, Security Settings, Scan Destinations, Reset Printer Defaults, WebPMT Settings, and Install Help Files. The main content area displays the 'Disk Image Overwrite' configuration page. It shows 'Image Overwrite Error: None' and 'Immediate Image Overwrite Status: Disabled'. There are two rows of configuration options: 'Change Immediate Image Overwrite to:' with an 'Enabled' button, and 'Initiate On-Demand Image Overwrite:' with a 'Start' button circled in red. Below these is a section for 'Failure Action Requested (Will be printed on Status Page):' with a 'Set' button. A message at the bottom reads 'Disk Overwrite failure. Please contact your System Administrator.'

An ODIO is a lengthy operation. Approximates times for an ODIO are listed in the table below:

HDD Size	Controller Type
	HFT/PUN
20GB	30 Minutes
40GB	45 Minutes
80GB	90 Minutes

NOTE: If you have done an ODIO, it is important that you do NOT refresh the Web page after the system reboots because the refresh will resend the “ODIO Request” and cause the system to perform another ODIO.

7.1.1.4 USING IMMEDIATE IMAGE OVERWRITE (IIO)

The Immediate Image Overwrite (IIO) feature is designed to keep the system clean while it is being used. The status of the feature is displayed on the “Security” page as shown below by the solid circle. To enable or disable the feature simply press the button highlighted by the dashed circle on the page below.

The screenshot shows the Xerox FreeFlow Accxes Web Print Management Tool interface. The top navigation bar includes 'SESSION SETUP', 'PRINTER DEFAULTS', 'ACCOUNTING', 'HELP', and 'ABOUT'. A left sidebar lists various utility and configuration options. The main content area is titled 'Disk Image Overwrite' and contains the following settings:

- Image Overwrite Error: None
- Immediate Image Overwrite Status: Disabled (circled with a solid line)
- Change Immediate Image Overwrite to: Enabled (button circled with a dashed line)
- Initiate On-Demand Image Overwrite: Start (button)
- Failure Action Requested (Will be printed on Status Page): Disk Overwrite failure. Please contact your System Administrator. (text box)
- Set (button)

To ensure that the hard drive is clean and remains clean, it is recommended that IIO be enabled and then an ODIO be performed. Certain configuration changes (enabling of scanner, postscript, scan-to-net etc) result in repartitioning of the hard drive, which could result in non-image partitions occupying sectors that were previously imaged, or vice versa. It is recommended that the hard drive be clean (running IIO, or by performing an ODIO) prior to the configuration change and then be cleaned by performing an ODIO after the configuration change. If the hard drive is not clean prior to the configuration change it is possible that a section of the hard drive containing image data could end up in a non-image partition and will not be cleaned by an ODIO. If an ODIO is not performed after the configuration change, than any sectors from non-imaged partitions which are now in image containing partitions will look dirty because they do not contain the required pattern.

When IIO is enabled, each print or copy image is overwritten after it is printed and the scan-to-net images are overwritten after they are deleted from the controller. This operation happens without any significant delay in processing and printing of jobs. The one exception is that deleting large scanned jobs may take a few minutes to free up the disk space so that it can be used again.

While IIO is enabled, the controller will keep the HDD clean. If the controller is rebooted during the processing of a job, it will clean the partitions on which the job was stored before it completes its boot-up sequence. This may take as long as an ODIO depending on what type of jobs were being processed.

Additionally, two features (raster stamps, and image recall) are disabled when IIO is enabled. When IIO is enabled raster stamps are rejected and an error page is printed with the message

"RASTER STAMP REJECTED". Scanned images are deleted after they are processed and are not available for recall

In the event of a failure of either an IIO or an ODIO operation, a failure page will be generated. This page has a customizable string that can be used to direct the operator to take a particular action. The "Failure Action Requested" string is shown below:

The screenshot shows the Xerox FreeFlow Accxes Web Print Management Tool interface. The top navigation bar includes the Xerox logo, the FreeFlow logo, and a "BACK TO MAIN" link. Below this is a menu with "SESSION SETUP", "PRINTER DEFAULTS", "ACCOUNTING", "HELP", and "ABOUT". A left sidebar lists various utility and configuration options. The main content area displays the "Disk Image Overwrite" configuration page. The page shows the current "Image Overwrite Error" as "None" and the "Immediate Image Overwrite Status" as "Disabled". There are two rows of configuration options: "Change Immediate Image Overwrite to:" with an "Enabled" button, and "Initiate On-Demand Image Overwrite:" with a "Start" button. Below these is a section for "Failure Action Requested (Will be printed on Status Page):" with a text input field containing "Disk Overwrite failure. Please contact your System Administrator." and a "Set" button. This section is circled in black.

Disk Image Overwrite	
Image Overwrite Error: None	
Immediate Image Overwrite Status: Disabled	
Change Immediate Image Overwrite to:	Enabled
Initiate On-Demand Image Overwrite:	Start
Failure Action Requested (Will be printed on Status Page):	
Disk Overwrite failure. Please contact your System Administrator.	Set

7.1.1.5 SCAN TO FTP

The Scan-To-FTP feature is enabled by the Scan-To-Net feature key and is configured by the “Scan Destinations” web page as shown below. The “Scan Destinations” web page can only be modified by the system administrator, assuming that the system administrator password is set to a non-zero value.

XEROX		FreeFlow		BACK TO MAIN
Accxes Web Print Management Tool				
SESSION SETUP	PRINTER DEFAULTS	ACCOUNTING	HELP	ABOUT
UTILITIES				
Configuration				
Feature Configuration				
Upload File				
Change Password				
Security Settings				
Scan Destinations				
Reset Printer Defaults				
WebPMT Settings				
Install Help Files				
PORTS				
NETWORK				
PRINTER SETUP				
EMULATIONS				
PROCESSING DEFAULTS				
TEST PRINT				

Allow local file:

Destination 1:	
FTP IP Address:	13.240.20.38
FTP User Name:	anonymous
FTP Password:	
Remote Directory:	/
Remote File Prefix:	DESTINATION1_
Remote File Index:	0

Destination 2:	
FTP IP Address:	13.240.20.38
FTP User Name:	anonymous
FTP Password:	

Each of the four destinations can specify a different ftp server, account, password and destination directory.

NOTE: It is important not to refresh this page because it will force the remote file indexes to be reset to what they were on the original page.

On some occasions, the system administrator may want to restrict users to using only the four destinations and NOT allow them to leave files on the hard drive of the controller. The “Allow Local File” checkbox provides a means to allow or disallow the use of the local hard drive for file storage.

Once a destination is setup, it may be selected from the “Sample” key menu on the scanner User Interface while in scan mode. From this menu you can choose to keep a copy of the scanned image on the hard drive of the controller (If the System Administrator has allowed this operation), print a copy, and send it to one of the defined destinations.

7.1.2 Firmware Installation of a Device Failed

If a firmware installation fails, repeat the installation procedure. Occasionally, other events may interrupt the firmware installation on the AccXES controller.

7.1.3 Blank Pages after Firmware Installation

If, after a firmware installation, the system begins to print out blank pages the hardware needs to be reset. Simply power down the controller and disconnect it from the printer. After waiting a short time (30 seconds to 5 minutes) reconnect and reboot the controller, it should resume normal operation.

7.1.4 Stamp does not appear

If the user tries to upload a stamp files that contains an invalid format, or if the Accounting Mode is set to "Enabled", no error message will be displayed. The WebPMT screen will display a message that the file was uploaded successfully and the stamp's filename will not appear in the "Printer Resident Stamps" list.

To avoid this situation, set the Job Accounting mode to "Optional" before uploading stamps. The WebPMT has no knowledge of the validity of any file that is sent to the printer. File validation and error handling is done on the printer by the AccXES controller. The WebPMT only reports that the file was sent to the printer successfully.

7.1.5 Scaling interaction with "ANY"

The media size "ANY" will select the best sheet size for an image to prevent clipping. If a user specifies a media size of "ANY" and a scale factor that makes the image too large for any sheet size and mismatch mode is set to scale, the controller will select the largest sheet size and scale the image to fit on it.

If this is not the desired behavior, a specific sheet size can be selected, or the media mismatch mode can be set to QUERY.

7.1.6 Margins may cause image clipping

If the margins (TOP, BOTTOM, RIGHT and LEFT) are set to a non-zero value (5mm is the default) then that amount of whitespace will be added to the image before placing it on the media and could cause part of the image to be shifted off the page, or clipped. To correct this problem set the margins to 0.

7.1.7 CGM Files and folding

Certain CGM files contain rotation commands which can confuse the system when folding. If the titleblock is not visible or the plot is bypassed and not folded, change the titleblock location to obtain a correctly folded document.

7.1.8 Image wrap on 721 printer

Intermittant image wraps have been seen when very LARGE jobs (>256 Pages) are submitted to the 721 printer. The best work around is to set the job to forward collation so all the pages are rendered prior to printing.

7.2 Xerox 6030/6050 Wide Format Solution

7.2.1 Long Plotting

Long plot limits are dependent on the amount of memory in the 6030/6050. Limits are as follows:

Amount of Memory Installed	Long Plot Limit
256 MB	3,000 mm
512 MB	7,500 mm
1 GB	15,000 mm

If the maximum plot length in AccXES (in WebPMT: PRINTER DEFAULTS>PROCESSING DEFAULTS>MEDIA>MAXIMUM PLOT LENGTH) is set greater than the maximum length of the 6030/6050 the image will be truncated.

7.2.2 Long Copying

Copy documents should be limited to the maximum length printed by the 6030/6050 printer. If longer documents are used the printer may not print them correctly and may hang. Canceling a long copy job may require a very long time to complete or may hang the system requiring it to be rebooted.

7.2.3 Out of Toner reported as “printer needs attention”

When the 6030/6050 printer runs out of toner the error message presented in WebPMT is simply “printer needs attention”. The user needs to refer to the printer user interface to determine the problem resolution required.

7.3 Scanner

7.3.1 Clear Last Image

When the “Clear Last Image” feature is selected on the Xerox Wide Format Scan System, it may take a few minutes for a Photo or Color mode scanned document to clear out. After scanning a document, this feature is accessed by selecting the “C” key on the scanner. It will bring up the “CLEAR SCANNED IMAGE” screen. Use the “Next” button to select “CLEAR LAST IMAGE”, and then press “ENTER”.

7.3.2 Invert Feature and Recall Last Job

Scan a document. Press the Transform key. Select “Recall Last Job”. If the Invert feature (changes dark to light and vice versa) is selected before printing the recalled document, the document will not be inverted. It will need to be rescanned to get the inverted image.

7.3.3 Upgrade Test Print

After upgrading to the latest scanner firmware, check the Scanner Configuration section at the bottom of the Configuration Test Print. If “None” shows for the values of Type, Product, Firmware, and Vendor, then print out another test print to view the correct values.

7.3.4 Scan-to-Print and Margins

When performing a scan-to-print operation the scanned image is printed using the current printer processing defaults including margins. If the image scanned is exactly the width of the paper, then the processing default margins should be set to zero to prevent the image from being clipped or placed on a larger sheet of paper.

7.3.5 Width Detection Sensors and Finishing

When using the width detection sensors, if the document is a little bit off-center, this could cause problems for folding, as the document printed may be square. This is most problematic with A, B, and C sizes. Documents must be centered when using the sensors for width detection.

7.3.6 Background Suppression

The scanner uses the first few inches of a document to determine the background suppression. If the first few inches of the document being scanned are not representative of the entire document, either too much or too little of the background will be removed. If this occurs, try physically turning the document 90 degrees and scan it again. Continue with this until an edge is found that produces a good scan.

7.3.7 Scaling shaded documents

Scaling documents with error diffused shaded areas should be done in a photo mode to produce the best image quality. Line and normal modes tend to exaggerate the shading dots making them more visible.

7.3.8 50000015 errors while copying

Occasional 50000015 errors have been seen while scanning more than 128 documents on the 6030/6050 system. This happens when an experienced operator gets a significant number of pages ahead of the printer causing a queue that is larger than the system can hold. The solution is to wait for several of the pages to complete printing before copying any additional documents.

7.3.9 Recalling sets

When a set is recalled, the scanner UI settings are not set to reflect their state for the last page scaled, but are in a “neutral” state to prevent unintentional overriding of setting for the set. If a setting (like scale, page size, etc) is changed it will affect the entire document set.

7.3.10 Washed out documents when scanning/copying

When scanning/copying documents with very low contrast (like poor blue line or sepia documents) with dynamic background removal set to OFF can cause the system to threshold the document and produce a very washed out document. Enabling background removal will actually remove less of the background in this case.

7.4 AccXES Client Tools

7.4.1 Manual feed media source

Manual feed media source will be ignored when used with the AccXES Client Tools' page composition feature.

Go to AccXES Client Tools > Job Option tab > Composition tab > Select Overlay Images > Media Source drop down menu. Although "Manual Feed" is listed as a choice of media source for page composition jobs, the print job will be treated as if AUTO media source was selected. If an appropriate roll of media is available, it will be printed on that media; otherwise, the job will query until the correct roll media is installed. In addition, other Media Source selections will be treated as AUTO if an appropriate roll of media is available in a different roll.

7.5 Web Print Manager Tool (WebPMT)

7.5.1 Printer Queue – Main WebPMT Screen

The AccXES firmware supports a maximum of 120 active printer jobs in the queue and 8 active copy jobs. If subsequent jobs are sent before the 120th prints, ports will refuse connections and there can be scan errors; when there are fewer jobs in the queue, the jobs can then be resubmitted or scanned. Additionally, completed jobs will be removed from the queue display immediately to make room for the newly submitted print jobs. To avoid these issues, keep the number of active print jobs to under the 120 limit.

NOTE: More than 120 files can be sent from the Document Submit Tool as one print job, but all of the files in the print job must have printed before sending subsequent jobs, or the jobs will be refused.

7.5.2 Netscape 6.1 users only

It is recommended to use Netscape 7.0 or newer.

- When Netscape 6.1 is used, the pen patterns do not appear to load correctly, and the browser exhibits erroneous behavior. However, if the Stop (browser) button is pressed and the patterns page is viewed, the new pen pattern will appear as expected.
- HTML code may appear on the Media page after pressing the Update Printer button, when Netscape 6.1 is used. The changes will, however, be kept.

7.5.3 Netscape 7.0 users only

A "Document contains no data" message may appear on the Main WebPMT page after rebooting the printer and pressing the Get Status button. If so, click the OK button on the message box and again select the Get Status button.

7.5.4 German users only

Zum Drucken von Etiketten mit Umlauten DRUCKERVORGABEN > DRUCKER-EINSTELLUNG > Plot-Etiketten wählen.

Anschließend im Dropdown-Menü für Fonts einen der folgenden Fonts wählen: HP2 Stick Font Latin - 1 oder HP2 Stick font Latin - 1 – Proportional.

7.5.5 Large Scaling Factors

Images set to scale beyond the largest installed roll will not scale beyond the largest width unless a specific roll is selected, a specific page size is selected, or mismatch mode is set to something other than scaling. This is a behavior that has changed from previous releases (prior to 9.0).

For example: The largest roll installed is 36". Scaling is set to 999%. Submit an ARCH E sized drawing (Media Size = Any, Mismatch = Scaling). The drawing will not be scaled.

In order for the output to exhibit the desired scaling factor, one of the following conditions must be met:

What to do:

- Set Mismatch Mode to Substitute
- Request a Media Size of ARCH E via WebPMT, ACT, or the Driver
- Request a Media Size 36" Roll via WebPMT, ACT, or the Driver

7.5.6 Pen Palettes

For Internet Explorer version 5.00.3105.0106, when you try to save a pen palette it opens instead; you might have to manually copy and paste the pen palette information into a file. (To locate your Internet Explorer version number, select Help > About in your browser toolbar.)"

7.5.7 HPGL Page – End of File

If the files are streamed via any port on the system, these are treated as a single job and no reset is done between them. However, if one uses the LPD protocol to send the files one at a time, the effect is that the printer is reset after each job. If the "Reinitialize after EOF" is set to be on, the AccXES firmware will reset the printing parameters after each plot file that is received by a serial port or a parallel port. To reset the HPGL parameters on the WebPMT, select Printer Defaults > Emulations > HPGL. Click on the box in front of "Reinitialize after EOF". Click on the "UPDATE PRINTER" button.

7.5.8 Display of Media Usage

The WebPMT Linear Media Usage displays the Media Usage in METERS. The mechanical meters used on the Xerox Wide Format Print System 721p IOTs can be programmed using the IOT diagnostics and are determined by which mode (ANSI or ISO) that the IOT is programmed to operate in. The units of measurement may not be the same.

Both the WebPMT and Test print display Linear Media Usage as zero (0) for the 6030 and 6050 printers. This is caused by a limitation in the interface between the AccXES controller and the printer. The linear media information is available from the web page of the printer itself on the status screen.

7.5.9 Saved Parameter Settings

When changing an Active User Setup Parameter and then pressing the "UPDATE PRINTER" button, all the settings on the Miscellaneous Page become part of that Active User parameter set. (On the WebPMT, go to Printer Defaults > Printer Setup > Miscellaneous > Active User Setup Field.) A user can change parameters on this Miscellaneous page, put in a number into the Active User Setup parameter field, and then select the "UPDATE PRINTER" button to save the changes. When that same number is put into the Active User Setup field later, the same parameters should appear. However, at the present time the selections on the Miscellaneous Page transfer to other Active User numbers also. For example, if you put in an Active User Setup number of 0, then select the Nesting Length to be 60 cm and press "UPDATE PRINTER", that setting becomes the Nesting Length setting for Active User 0. If you then enter Active User Setup 1 and select "UPDATE PRINTER", the Nesting Length for Active User 1 was also changed to 60 cm.

7.5.10 Default PostScript Page Size

If a PostScript job does not specify a page size (either by using a compatibility operator such as "letter", or "a4", or by using the setpagedevice operator /PageSize parameter), the page size used is the one specified by the Default PostScript Page Size parameter available via the printer user interface, or via the WebPMT.

7.5.11 String value of "0" in Text Fields

A string value of "0" cannot be assigned to text fields. This affects the following fields: NETWORK-EtherTalk Zone, NETWORK-NetBEUI Group, NETWORK-NetBEUI Remark, NETWORK-IPX Primary Server, NETWORK-IPX NDS Tree, NETWORK-IPX Context Name, PRINTER SETUP-Plot Label-label.

A bug in the server treats a null entered string as having a length=1 and a value="0". Thus, the WebPMT cannot distinguish between a text entry of "0" and a text entry of NULL. Because being able to blank out a text field string is a much more common operation, it takes precedence over entering "0".

7.5.12 "Printer has been updated" message

If the user presses the "UPDATE PRINTER" button without actually making changes first, the WebPMT will still return a message that the printer was updated. The WebPMT cannot distinguish a page that has been modified from one that has not been modified. This is because of the "stateless" nature of the http protocol and the fact that no events are generated (html) when text values are entered or items are selected. When the "UPDATE PRINTER" button is pressed, all the data on the form is gathered and sent to the server. If the data is valid, the printer is updated and "The printer was updated successfully." message is returned. If inappropriate data is sent, an error message is returned. To verify valid changes to printer settings, a test print can be printed to view the changed settings.

7.5.13 Pen Patterns

7.5.13.1 SAVED PEN PATTERN DIALOG WINDOW DOESN'T APPEAR IN INTERNET EXPLORER 5.5

Attempting to save a selected pen pattern results in the pattern appearing alone in the Internet Explorer window instead of a dialog window appearing.

7.5.13.2 NEW PEN PATTERNS NOT SHOWING UP IN PEN PATTERN TABLE WHEN USING NETSCAPE

After loading any of the custom user patterns (50-63), the user must press the Refresh button on the browser in order to view the pattern just loaded (for both Netscape and Internet Explorer). Once the user exits the Pen Patterns page and then returns to it, the custom pattern should automatically be displayed. **This occurs when using Netscape, Version 4.5.** Due to the way caching is implemented in Netscape, each time the user returns to the Pen Patterns page, the "Refresh" button on the browser must be pressed to display the current custom patterns correctly.

7.5.13.3 IF YOU ARE USING INTERNET EXPLORER 4.0 ON A WINDOWS NT SYSTEM

You may encounter difficulty saving pen patterns. On the WebPMT go to Printer Defaults > Pen Patterns. When you choose the "Save Pattern" button, Internet Explorer may choose to automatically open your pattern in Microsoft Paint instead of the option of saving it to a file. If the

pattern is opened in Paint, any attempt to save the file will result in Paint crashing and no file saved.

7.5.14 Printer Password

The printer password appears in the location (address) bar of the web browser. When a user types in a password in the text box, an asterisk is displayed for each digit entered. However, when the "UPDATE PRINTER" or "Submit" button is pressed, the password value is displayed on the web page in the location bar of the browser.

The initial release of the web server only supports http "GET" protocols. The result of this is that any data entered on any field of a web page will show up in the location box of the browser once the "UPDATE PRINTER" or "Submit" button is pressed.

7.5.15 Print Job Priority

Modifying the print job priority with the WebPMT reports that the priority was changed successfully but the job queue on the WebPMT main page shows the original priority unchanged.

If a user modifies the job priority, the WebPMT only guarantees that the parameter in the printer that specifies the job priority value has been changed successfully. It does not guarantee that the printer will be able to accommodate the new priority. The print job may be at a point in the printing process at which any new priority request is ignored.

7.5.16 Date and time shift position after update

Occasionally after updating the date and time via the WebPMT interface the display of the date and time on the update page shift to the left obscuring some menu options.

Refreshing the display cleared this issue.

7.6 Netscape and Unix

Open Dialog will not see recently saved files

When using Netscape on a Unix system, the browser will not list any files within the open dialog that have been saved within the same browser session. Typing their names in the field can still access the unlisted files, but you will not be able to simply select them in the open dialog. If the browser is restarted, the saved files will show up normally. For example, if you saved a pen pattern using the save pattern feature, then immediately selected one of the custom patterns in an attempt to load the just saved pen pattern, you would encounter this problem. The open dialog would not show the recently saved file and you would have to type in the exact name into the dialog in order to load the pattern or restart your browser.

8 Customer Issues Resolved

8.1 The following Customer issues were resolved in 10.3.1 b 220

Issue Description	Problem	Resolution
SPAR #640216089	Arcs with large radii in CGM Files not being printed properly.	CGM rendering bug was corrected to produce the proper length arcs when very long radii are used.
SPAR #654539090	Printer Requests Metric Media When Folding is Selected on ARCH/ANSI File	Paper selection algorithm was modified to use installed media (instead of entire list of known media) when no paper size was specified.
SPAR #392407123	Printer Asks for B-1 Paper When a Fold is Selected	Paper selection algorithm was modified to use installed media (instead of entire list of known media) when no paper size was specified.
SPAR #554812916	System stays in awaiting K77 Interface	The K77 interface recovery was enhanced to recover from this situation.
SPAR #652017362	721p communication problem, systems hangs ifk77	The K77 interface recovery was enhanced to recover from this situation.
SPAR #663056946	WebPMT display settings revert to mm (millimeters) on POPO.	The display settings parameter was moved into non-volatile storage.
CPR #2005-08-18-SIEM06-01	Default fold settings were being reset after power cycle of the controller.	Fold settings are now maintained across power cycles.
Initial Folder configuration issues.	Intermittantly the folder was not properly recognized by the controller resulting in reprinted pages and delays in printing.	The folder configuration routine was enhanced to handle additional error cases to properly recognize the folder.
Poor copy quality for line and normal mode copies	Certain halftone images would be distorted when making normal or line mode copies.	The copy path for both line and normal mode was enhanced to improve image quality for 100% copies.

8.2 The following Customer issues were resolved in 10.2 b 141

Issue Description	Problem	Resolution
721 short sheet reprint problem	On the 721 at an end-of-roll condition short pages are not always reprinted.	We have improved the short sheet detection algorithm for the 721 to properly reprint short or smeared pages.
Stamps Disappear when inserted in a set and submitted thru DST. SPAR#62833131	The AccXES controller only looked for the "HPRTLNATIVEMODE" command at the start of a job.	This PJI command is now handled on a file by file basis instead of on a job basis.
Synergix scanner N5T controller hang up randomly with 5000011 error code. SPAR# 573361022	Invalid data was received from the scanner during scan-to-net mode that caused the AccXES controller to hang.	The AccXES controller was modified to process the valid data only.
File loses partial blue fine grid lines when submitted thru AccXES. SPAR# 171975778	The controller was not processing the complex fine lines correctly.	The fine-line handling algorithm was enhanced for this type of document.
Reduced or enlarged files scaled to A2 are not oriented correctly. SPAR# 411076598	The orientation algorithm on for copy documents did not handle scaled documents correctly.	The copy mode orientation algorithm was corrected.
New text strings displayed as "???" in non-English languages	New strings were left out of the non-English language files	The new strings were replaced by translated strings.
620mm Roll not supported for 6030 / 6050 printers		Support was added for the 620mm roll on 6030/6050 printers.
Image wrap on 721 printers.	A large number of files with lots of invalid PJI commands were submitted causing the controller to perform a large amount of error handling which caused the wrapped images.	The error handling was batched so as to minimize impacts on system resources. A checkbox was also added to the WebPMT to enable disable logging to further reduce system resource usage.
Scanner UI stopped responding during scan-to-FTP	Due to an internal memory condition the scanner UI handler would lock up and	The internal memory problem was resolved.

	stop updating the scanner UI.	
Lamp diagnostic unavailable on PKU scanners SPAR#288482573	The lamp diagnostic did not appear in the diagnostic list on the scanner UI for PKU scanners.	The Scanner UI diagnostic list was updated to include the diagnostic.

8.3 The following Customer issues were resolved in 10.1 b 118

Issue Description	Problem	Resolution
New text strings displayed as "???" in non-English languages	New strings were left out of the non-English language files	As a temporary patch the English messages were inserted into the non-English message files. Translated strings will be available for the next release.

8.4 The following Customer issues were resolved in 10.1 b 116

Issue Description	Problem	Resolution
Job recovery for the 721 printer fails to reprint a page at end of roll. SPARs #726379092, #018026417	The system did not reliably detect and reprint short pages.	A new short sheet detection algorithm was devised which more accurately detects and reprints short sheets.
Auto-roll switching for 30 inch rolls would not work on 6030/6050 printers	Due to limited functionality on the 6030/6050 printer firmware version 3.1 and earlier, it was not possible to switch rolls when on 30 inch roll ran out.	Version 3.2 of the 6030/6050 and version 10.1 of AccXES have been upgraded to enable auto roll switching for all roll sizes.

9 Appendix

9.1 Controller Installation for Xerox Wide Format Solution

IMPORTANT NOTE: *The controller will only accept the installation when there are no active jobs being processed.*

NOTE: *Make sure that the connection to the scanner is enabled. This is done on the WebPMT, by going to Printer Defaults > Printer Setup. Select the “DDS Enabled” box. Reboot the controller.*

9.1.1 AccXES Client Tools

Download the file named “<Controller>_<Printer>_<AccXES_version>.disk.bin”. A status sheet will be printed and indicate that the download was successful.

9.1.2 WebPMT

Select PRINTER DEFAULTS > UTILITIES > Upload File. Use the Browse button to select the “<Controller>_<Printer>_<AccXES_version>.disk.bin”. Click on the “Upload” button. A printed status sheet will indicate that the download was successful.

9.1.3 Unix

Download the software using LPR with the following command line:

```
lpr -P printername “<Controller>_<Printer>_<AccXES_version>.disk.bin”
```

A status sheet will be printed and indicate that the download was successful.

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