

# Firmware Release Note

<b>Model: X3220, X3280 Series</b>	<b>Date: 06-March-2018</b>
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2 customer requirements were applied to V3.00.11.

- Requirements (major):
  - 1) Performance Optimization duration feature
  - 2) GCP connection with SNI(Server Name Indication) issue

If you experience any of issues below, please upgrade the firmware to V3.00.11.00

Version	Category	TSP ID	Division	Change Description
V3.00.11.00 (05-February-2018)	Requirement	N/A	All	SNI is added since all devices using Google Service(GCP) will not be able to be connected to the Service without SNI(server name indication) in use when trying to get SSL connection due to a new security connection requirement set by Google.
	Requirement	N/A	All	Change to define start and end time when enabling performance optimization feature.

## Software Component Versions

System Firmware Version	V3.00.11.00
XOA Web Version	1.3.4
UP Version	V3.00.11.00_1.16.7_20180205
Engine Firmware Version	V1.00.32 08-11-2017_V1.40
UI Firmware Version	V5.29.00.56.00_18020223
IP Core Version	31.03.60_0.1_13-11-18
ADF Firmware Version	00.00.18
Finisher Version	V01.49
Tray 1 Version	V1.00.32 08-11-2017
Tray 2 Version	V1.00.32 08-11-2017
Tray 3 Version	V4.01.04
Tray 4 Version	V4.01.04
Samsung Mobile Print Version	V11.49_170720
PCL5E Version	F8.19_170720
PCLXL Version	F11.00.84 09-12-2016
PS/PDF/XPS Version	F6.21.01.62.02.03_170415

## Image Quality tables

EP	X3220 EP V1.46
Fuser	X3220 FUSER V0.13
Toner	X3220 TONER V1.05
TR	X3220 Transfer V0.41
Print CMS	V2.5.1001
Margin	V1.1
Copy CMS	V4.5.1001R
Scan CMS	V0.3
Print IEM	V1.1
Copy IEM	V0.84.0917

## Update dependency

- N/A
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## Solution Compatibility Table

Category	Solution Name	Solution Version	V3.00.11	Verified F/W Version
BCPS	SecureLoginCore	2.01.013	☉	
	PrintingSecurityCore	2.01.017	☉	
	DocumentWorkflowCore	2.01.025	☉	
	UsageTrackerCore	2.01.019	☉	
	XOA-WEB Enabler	2.00.003	○	V3.00.10.05_C 081610.1.02
ISV-XOA-WEB	Equitrac	1.0.62 ( Server : 5.6.26.6394(CAS:5.6.26.1832))	☉	
ISV-XOA-WEB	Follow2Print	1.0.1.0 ( Server : 8.32)	○	V3.00.10.05
PrinterOn	PrinterOn Branded Agent	FW Embedded(Refer FW version)	☉	

- ☉ A solution has been verified and MUST be compatible with the releasing F/W version.
- Previously the supported solutions have been tested and verified with the version specified in the "Verified F/W version" row in the table. The required test has been conducted on this FW version to ensure the backward compatibility with "Verified F/W version".

#### FW Release History

Version	Category	Change Description		
V3.00.10.05_081610.1.02 (25-August-2017)	Fixed Issue	TP17601X	SEH	Fixed an issue of the Recent User button in UI being turned on, disclosing login ID of other users, when AA Method was set to SynctruProvider and Login Method to ID only Login.
	Fixed Issue	TP17603J	SEI	Fixed some meta data errors of creators, producers, dates in scanned PDF/A files.
	Fixed Issue	TP17601Q	KOREA	Fixed an issue of Counter in UI temporarily being shown twice as big when printing Usage Counter Report by pressing the Counter button on the UI panel. (Limited to certain cases)
	Fixed Issue	TP1750CC	SEG	Fixed an issue of stripped patterns on the part of image of PCL5 job which consists of mono data and color macro data.
	Fixed Issue	N/A	KOREA	Fixed an issue of rotated images being printed unlike what was shown on the screen when printing out A3 portrait and A4 landscape documents.
	Fixed Issue	TP16A0E4	SEBN	Fixed an issue of time synchronization feature not being activated when time server (SNTP server) was set to Host name.
	Requirement	TP174051	SEG	Added " and \ to allowed LDAP server password in SWS.
	Fixed Issue	N/A	All	Fixed an issue of repeated login and logout when doing NFC authentication on the latest Galaxy S8 model with SL-NEWE001X installed.
	Requirement	TP17403K	SEBN	Added Letterhead mode to Tray Settings. Added setting path in UI: Machine Setup > Tray Settings > Settings > Letterhead Mode. Added setting path in SWS: Settings > Machine Settings > System > Input Tray > Letterhead Mode
	Fixed Issue	N/A	All	Fixed an issue of Color Copy/Print and Mono Copy/Print settings within Standard Accounting List not being imported and exported. Incompatible with lower version F/W due to the addition of the feature. Import fails in F/W versions prior to V3.00.10.05.
	Fixed Issue	TP1760EP	SEBN	Fixed an issue of not being able to register Google Cloud Print due to Google server policy shift.

	Fixed Issue	Q1705_0084 Q1705_0083	KOREA	Fixed an issue of a printing job from PC not being implemented two or three days after setting to Counter Information Report or Supplies Information Report out of Email Notification features.
	Fixed Issue	Q1707_0085 Q1707_0137 Q1708_0011	KOREA	Fixed an issue of a device being rebooted when receiving certain network SMB packets.
	Requirement	TP1770EL TP16A06I	SEI SESA	Added admin only address book edition option. (SWS > Security > System Security > Feature Management > Services/"Allow only admin to access Address Book in SWS")
V3.00.10 (12-June-2017)	Fixed Issue	TP1710GG	SEBN	Fixed an issue that when a PDF document created by a specific PDF generation tool was printed directly from USB, the output of the character spacing widened or an error occurred so that the output was not printed.
	Fixed Issue	TP1710GN	SEI	Fixed the issue where Scan To SMB did not work on NetApp Data Ontap 8.3P2 server.
	Fixed Issue	N/A	KOREA	Enhanced a communication success rate and mitigated a broken data problem caused by packet loss on VoIP.
	Fixed Issue	TP16A0UF	SEG	Fixed the issue where dummy data was printed out from some files when a user released a barcode printing job.
	Fixed Issue	TP16A0II	KOREA	Fixed issues where the "Stop" button kept blinking and the sensor status was not displayed as High/Low or On/Off once a service engineer had clicked the start button in Diagnostics > Engine Diagnostics > Engine Test Routines menu of LUI Technician mode.
	Requirement	N/A	N/A	Added the full AirPrint 1.5 feature including AirScan and AirFax.
	Fixed Issue	N/A	N/A	Fixed the issue where authentication failed when a job account was enabled and the printing job was released on Mac OS PC through network.
	Fixed Issue	TP1720PG TP1740LS	SEF KOREA	Fixed the issue where garbled image or blank pages were printed out when the tray being used in a copy job became empty and papers were picked up from another tray having different direction from the previous tray.
	Requirement	N/A	SEI SEF	Added the Tray Mapping feature
	Requirement	N/A	N/A	Added the HDD error code "S1-2420". It is displayed when the HDD has physical problems.
	Fixed Issue	TP1730IE	SCIC	Fixed the issue where complex documents such as CAD filed not to print.
	Requirement	TP1750FW	KOREA SEI	Removed the unnecessary Copy Darkness menu of LUI. (Machine Setup > General Settings > Image Management > Custom Color > Copy Darkness menu of LUI)
	Requirement	N/A	Europe	Revised software to meet the BLUE ANGEL UZ205 standard. V3.00.09 and the earlier version satisfy the BLUE ANGEL UZ171 standard.
	Requirement	N/A	SEIN	Added the enable/disable feature by SSL/TSL version and Encryption Strength enable/disable into SWS. (SWS > Security > Network Security > Secure Connection > SSL/TLS version and Encryption Strength menu)
	Requirement	N/A	SEA	Added the Auto Power Off feature to qualify for the EPEAT silver. Added the Machine Setup > General Settings > Power Savers > Auto Power Off menu into LUI.
	Fixed Issue	TP173047	SEI	Fixed the network blocking issue when TCP FIN was retransmitted abnormally on Mac OS. Fixed the issue where the device slowed down and was not working because of SNMP OID 1.3.6.1.2.1.4.20 packet.

	Fixed Issue	TP17404X	SEF	<p>Fixed the issue where the Searchable option became enabled when PDF/A was enabled and the Searchable option went as follows.</p> <p>1) Enable PDF/A in Machine Setup of LUI (Machine Setup &gt; General Settings &gt; PDF &gt; PDF Format &gt; PDF/A is enabled)</p> <p>2) Open Scan To USB or Scan To Email or Scan To Server or Scan To Shared Folder</p> <p>3) Output &gt; File Format &gt; PDF is enabled and searchable is OFF</p> <p>3) Select PDF as XPS or other file menu and back to PDF.</p> <p>4) Observe Searchable PDF option is enabled to user while switching between file formats.</p> <p>Searchable PDF should be disabled when PDF/A is ON.</p>
	Fixed Issue	Q1703_0270	KOREA	Fixed the rebooting issue caused by abnormal HTTP packet.
	Fixed Issue	N/A	N/A	<p>Fixed the issue where credential data import failed for "Encrypt only credential data" and full import failed for "Encrypt whole data" when importing the Address Book.</p> <p>V3.00.09 firmware has this problem.</p>
	Fixed Issue	TP1750BP	SECA	<p>Fixed the issue where garbled images, texts or blank pages were printed out when a user released a copy job with options below.</p> <p>1) Open the Copy application</p> <p>2) Place a document in Flatten</p> <p>3) Select the Advanced &gt; Original size &gt; LEF Statement</p> <p>4) Tray source is Auto</p> <p>5) Start</p>
	Fixed Issue	N/A	KOREA	Fixed the issue where the Toner Supply Error occurred when extremely low coverage pattern was printed on more than 1000 pages.
<b>V3.00.09 (24- February- 2017)</b>	Fixed Issue	TP16C02G	SEG	The wrong translation for German language "Allow Domain" string in SWS > Settings > Scan > Scan to Email > Advanced > Restrict [To] Address: Domain Restriction has been corrected.
	Fixed Issue	TP1690IO	SEF	The issue of mono page being counted as color page in color/mono mixed printing job with FDI (Foreign Device Interface) connection has been fixed.
	Requirement	TP16B023	SCIC	Counterfeit banknote copy prevention function for Chinese Yuan (CNY) has been added to Chinese model.
	Fixed Issue	TP16B0SQ	SEI	<p>The authentication failure issue of PIN code job when selecting PIN code log-in has been fixed.</p> <p>The authentication failure issue of id/password job when selecting PIN code log-in has been fixed</p>
	Requirement	TP16C0CE	SAPL	Usage history function has been added in standard accounting.
	Requirement	N/A	N/A	Hard disk error code S1-2433, S1-2435, S1-2437, S1-243A, S1-2443, S1-2444, S1-2445 and S1-2448 have been added.
	Fixed Issue	Q1702_0030	KOREA	The issue of Image TCR being omitted in the Fax Sent Confirmation Report after fax forward job completion has been fixed.
	Fixed Issue	N/A	N/A	The issue of even page printing error when selecting A3, Duplex and High Image Quality resolution as option has been fixed.
	Requirement	N/A	N/A	Provided Nuance Equitrac XOA-Web solution compatibility
	Fixed Issue	TP1680AZ	SEA	Fixed the errors in PCL5 handling when a user-created pattern in use was deleted.
	Fixed Issue	TP1670SA	SEA	Fixed the PCL5 issue of wrong paper orientation when multiple paper orientation commands were sent for a job.
	Fixed Issue	N/A	N/A	Fixed the issue of Executive paper's printable area in PS being bigger than the actual paper size.
	Fixed Issue	N/A	N/A	Fixed the system error in PCL 5 with a downloaded font set as default font.
	Requirement	N/A	KOREA	Added 24V power error display

<b>V3.00.08.07_</b> <b>CBR01.02.1</b> <b>11718</b> (28- November- 2016)	Fixed Issue	TP167051	KOREA	Improved the scan speed for Scan to SharedFolder with Build Job to be similar with the scan speed without Build Job.
	Requirement	TP1690XI	SESA	Changed the letters in the scan file extension from upper case to lower case.
	Requirement	TP1670LA	KOREA	Added Reset Usage, No Encryption, No Encryption Without Confidential, No Decryption and No Decryption Without Confidential menus for Standard Accounting.
	Fixed Issue	N/A	SEG	Fixed the punch waste hopper MIB bug and added MIB for the developer unit.
	Requirement	TP1670AA	SEG	Fixed the issue of redisplaying login screen after Secure Job login with print authentication disabled.
	Fixed issue	N/A	SEG	Fixed the duplex mismatch when the Ethernet speeds of printer and Cisco router are set as 100MB/Full duplex.
	Requirement	TP16410A	SAVINA	Added Vietnamese in GUI
	Fixed issue	TP1690Z9 TP1690IO	SEI SEF	Fixed issues with FDI connection: A3 count error, log-in failure with NFC module, and job being canceled with Account Limit Failure. Modified FDI menus to TypeA, TypeB and TypeC.
	Requirement	TP1680N2	SEIN	Added Image Repeat copy feature
	Fixed issue	TP16A02X	KOREA	Improved first copy out time (FCOT) for mono by up to 7 seconds
	Fixed issue	TP16907Z	KOREA	Fixed the issue of cropped A3 printout issue when scanning A4 and A3 documents using the ADF with Copy > Build Job and Mixed Size selected.
<b>V3.00.08.07_</b> <b>CBR01.01.0</b> <b>90511</b> (30- September- 2016)	Fixed Issue	N/A	KOREA	Fixed the book copy issue; it misdetects the book area. (edges were cut)
	Fixed Issue	TP1670O9	SESA	Fixed PCL5 problem; image was overlapped in center when printing on AS400 server.
	Fixed issue	TP1670O9	SESA	Fixed PCL5 problem; color command interpreting and processing error in HPGL mode.
	Fixed issue	TP1660MM	SEG	Supported abnormal paper type in PCL5 command; could not process if a space is included in "Extra Heavy Weight" command.
	Fixed issue	N/A	KOREA	Fixed ugly shape problem in bold & special 2-byte characters. (e.g. 돌움 typeface)
	Fixed issue	TP1640KG	SEG	Improved indexed color image performance in PCL6.
	Fixed issue	TP1630QC TP16502T	SEA	Fixed shading pattern error; 2016 power point document in Mac OS.
	Fixed issue	TP1680ZH	SEIN	Fixed SMTP test feature; it sometimes did not work when setting in email address book.
	Fixed issue	TP1670KY	KOREA	Fixed TOPMARGIN, LEFTMARGIN PJI compatibility problem; system rebooted after receiving PCL5 Emulation print job that includes Top margin, Left margin PJI command.
	Fixed issue	TP1660SV	SEUK	Added "Programs" category in Cloning of Fleet Admin Pro.
	Requirement	TP1670AA	SEG	Added Domain Restriction feature for Scan To Email.
	Requirement	TP1660SV	SEUK	Added shortcut for Scan To Shared Folder.
	Fixed issue	Q1608_0044	KOREA	Fixed the problem that the machine is rebooted when printed on the custom size paper. Fixed the problem that customer paper width and height value in GUI tray setting is not consistent with SWS.
	Fixed issue	N/A	KOREA	Improved slow Scan To SMB performance in case of self-IP destination.
	Fixed issue	TP1680ZR	SENA	Fixed intermittent transmission of scanned document when sending a job to slow FTP server.
Requirement	N/A	KOREA	It supports BCPS and Li-Tech solution compatibility.	
Requirement	N/A	N/A	Printing Security Cloud is supported.	

V3.00.08 (19-July-2016)	Requirement	N/A	SEA	New US standard setting values were applied. (Default values for US models) - Auto continue: ON - MPTray confirm: OFF - Paper Substitution: ON - Tray Priority: Tray1->Tray2-> ... ->MP Tray - Toner/Imaging unit Alert Value: 5 - Black Optimization: On
	Requirement	TP1640ZB	SEI / SEF	Color Copy Application Auth mode is added.
	Requirement	N/A	KOREA	"Copy as Selected Paper Size" menu is added in Copy Setting. (LUI : Machine Setup > Application Settings > Copy Settings > Copy as Selected Paper Size) If the "Copy as Selected Paper Size" option is ON, scan original size is Auto, Tray selected is not Auto, and there is no paper on DADF, then original size will be set to Tray paper size and job will be processed.
	Requirement	N/A	KOREA	PrinterOn icon will be displayed only for enabled case.
	Fixed issue	Q1604_0317	KOREA	In the case when SMB or FTP is set as only anonymous and Scan To Server(SMB, FTP) is programmed with short cut, Scan To Server(SMB or FTP) is failed.
	Fixed issue	N/A	KOREA	CounThru cannot report usage counter properly when LiteSM utility is used.
	Fixed issue	N/A	KOREA	When the Book Copy job is initiated with the custom original size, scan CCD hits the right side and makes some noise.
	Fixed issue	N/A	KOREA	Toner status cannot be updated to Samsung Cloud Print server on time occasionally when machine is in deep power save state.
	Fixed issue	Q1604_0146	KOREA	Automatic recovery logic for firmware failure of the touch screen controller is added.
	Fixed issue	Q1605_0075 Q1604_0318	KOREA	UI problem with "System Down" is fixed. (UI displays "System Down" when a user turns the power off during sending pc fax and then turns the power on.)
	Fixed issue	N/A	KOREA	Scan To FTP/SMB server connection timeout is extended to assure slow response server connection.
	Fixed issue	Q1603_0246	KOREA	The sequential sorting problem of Fax Sent List is fixed.
	Fixed issue	Q1604_0294	KOREA	Job can be blocked by memory full of DB occasionally if System Log is enabled. (SWS : Security > System Log > selected as Log Configuration job Log or Operation Log or Security Event Log)
	Fixed issue	Q1605_0174	KOREA	When printing color page, magenta color can be omitted in specific cases.
	Fixed issue	N/A	SEUK	When printing through the Samsung mobile printing app V4.02.007 or below, the printed image quality is poor.
	Fixed issue	N/A	SEA	Printing speed of the 2nd copies gets slower if collated printing or copy job has more than approximately 200 pages.
	Fixed issue	N/A	N/A	PrinterOn cannot support relative path when setting PDS server address
	Fixed issue	Q1606_0247	KOREA	When printing multiple duplex jobs continuously, blank page can sometimes be added on a back side page.
	Fixed Issue	N/A	KOREA	The high volume and complicated PDF files are not printed through PCL6 driver.
	Fixed Issue	N/A	SEG	The problem of HP-GL color commands interpreting and the download pattern command interpreting in the PCL5 data stream is fixed.
Fixed Issue	N/A	KOREA	Incorrect duplex behavior is fixed when one job comprises multiple input tray source and duplex commands in the PCL6.	
Fixed issue	Q1604_0073	KOREA	Recovery logic for file system broken case is added.	
V3.00.07 (25-Apr-2016)	Fix defect	Wrong number of copies displayed in title bar of Copy App.		
V3.00.06 (21-Feb-2016)	Fix defect	Change MX3 Duplex Return Timing to fix the jam issue.		
V3.00.05 (08-Jan-2016)	Fix defect	Fax to HDD does not work properly.		
	Fix defect	Empty page is counted as color from pdf document.		
	Add Func	Fleet Admin SCP support for SCP Business Admin App		
	Fix defect	Fix GUI display error		

	Fix defect	Fix Job control error
	Fix defect	Fix Finisher work error
	Fix defect	Fix Demo page error
	Fix defect	Fix rebooting issue
	Fix defect	Fix Job counter update error
	Fix defect	Fix defect of initialized SEF configuration after memory clear
	Fix defect	Change default value of Auto tray stwch from Off to On
	Fix defect	Fix defect that Rarely paper empty error not disappear in active notice but functionality working fine
	Fix defect	Fix defect of taking long time for waking up from sleep mode
	Fix defect	Fix defect that Seem count increasing wrongly if press count button several time but real count value is
	Fix defect	Remove noise caused by Plate Nip vibration
	Fix defect	Fix no orginal size for Oficio in Fax App
<b>V3.00.04</b> (19-Nov-2015)	Fix defect	Fix defect of Scan job hang case. If user unplug the memory during the scab to USB .. Job should be canceled but sometimes machine hang
	Fix defect	Copy Job cannot be registred issue fixed when platen cover open and scan flow hang case
	Fix defect	Fix defect that after doing memory clear , UI initial setup loading is showing continually.
	Fix defect	Fix, "POPO occurred if delete Multi Secure Receive Fax jobs at same time."
	Fix defect	Fixed to print Scan to USB image without line of paper end.
	Fix defect	Fix defect of printing with wrong paper size.
	Fix defect	Fix defect that the staple function doesn't work when printing one file (Store+Staple) from Stored Document.
	Fix defect	Fix defect that Only 1 file printed even if user selected multiple files to print
	Fix defect	Fix defect that the Fax Retry Redial job doesn't show in Job Status and retry job doesn't start until POPO.
	Fix defect	Fix defect of rebooting on DADF copy
	Fix defect	Fix defect that print job is completed, but no output when executing it with print pages over limited value
	Fix defect	Improvement of OD by toner amount
	Fix defect	Fix defect of Toner motor failure case
	Fix defect	Fix defect of not showing the Pop up window (MP tray, Tray empty)
	Fix defect	Fix defect of Configuration report error (showing incorrect paper type)
	Fix defect	Fix contamination on the back side of paper for ID Calibration scan
	Fix defect	Fix defect of rebooting when the ID Calibration pattern print job submit
Fix defect	Fix defect of vertical Band(Line) at RADF copy	
<b>V3.00.01</b> (Sep-2015)		PRA version