

Firmware Release Note

Model: M5370 Series	Date: 28-Dec-2019
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V5.H6.01 FW addresses total of 3 issues.

- Major Changes

- 1) Removed the functionality to print the barcode.
- 2) Fixed, the SNMP OID status for HCF tray to display it on the panel.
- 3) Applied the new WLED for Scanner.

Please upgrade the FW with V5.H6.01 if any one of the mentioned problems need to be resolved.

Version	Category	TSP ID	Division	Change Description
V5.H6.01 (2019-12-28)	Problem		KOREA	Removed the functionality to print the barcode.
	Problem		KOREA	Applied the new WLED for Scanner.
	Problem		KOREA	Fixed, the SNMP OID status for HCF tray to display it on the panel.

Software Component Versions

System Firmware	V5.H6.01
Main FW Version	V11.01.13.00_09-20-2019
XOA Web	1.4.33
UP	1.17.34_(20171218171009)
Engine Firmware	V1.00.31
File System Version	FS_V14.03.06.17.13
SCB(Scan,Fax) Version	V3.00.04.06 12-02-2019
Boot Rom Version	V13.10.00.00.92-04-08-2019
UI Firmware	V5.18.50.12.00_19040115
ADF Firmware	01.30.16
Tray1	V1.00.31
Tray2	V3.1.9
Tray3	V3.1.9
finisher Version	V5.05
PCL5CE	V8.22_170906
PCLXL	V11.00.87
PS/PDF/XPS	V6.21.01.62.02.03_170415

Image Quality Tables

EP	V2.29
Fuser	V2.90
Toner	V2.08
TR	V1.41
Print CMS	V2.1.0430
Copy CMS	V2.5.190107
Scan CMS	V1.33
Print IEM	V1.00
Copy IEM	V2.7RX2

Update dependency

- If the previous firmware version is lower than V5.C6.03, please install Service Pack first, which is needed to prevent delay in upgrading all UI firmware

Solution Compatibility Table

(M5370 : V5.H6.01)

Category	Solution Name	Solution Version	V5.H6.01	Verified F/W Version
BCPS	CloudConnectorCore	2.50.008	◎	
	DocumentWorkflowCore	2.50.007	◎	
	PrintingSecurityCore	2.50.009	◎	
	SecureLoginCore	2.50.006	◎	

	UsageTrackerCore	2.50.007	⊙	
	XOA-WEB Enabler	2.00.003	○	V5.D6.04
ISV-XOA-E	Autostore	1.0.0 (Server : 7.00.3.0 (DRS:7.0.1.16, APD:7.0.3.26))	○	V5.E6.04.02.060911
	Drive Image	1.5.43 (Server : 5.1.546)	○	V5.C6.05
	Drive Print	1.1.30 (Server : 3.1.100)	○	V5.C6.05
	Equitrac	1.1.0.135 (Server : 5.2.21.8778)	○	V5.D6.15.03.120609
	Geniusbytes MyMFP	2.19.6.2 (Server : 2.19.3)	○	V5.G6.01.02.050715
	NDDigital n-Access	2.1.3 (Server : NDDigital n-Billing 4.9)	○	V5.D6.04
	NDDigital n-Collector	2.2.4 (Server : NDDigital n-Billing 4.9)	○	V5.D6.04
	NDDigital n-Releaser	2.1.4 (Server : NDDigital n-Billing 4.9)	○	V5.D6.04
	Omtool AccuRoute	1.0.0.689 (Server : 2013(Build 5))	○	V5.D6.04
	PaperCut	1.1.0 (Server : 16.4 (build 38954))	○	V5.F6.01
	PrintFleet Cloud Embedded DC	1.1.249 (Server : 3.6)	○	V5.E6.04.02.060911
	Ringdale FollowMe	1.1.2.9 (Server : 6.1.0.103)	○	V5.D6.04
	SafeCom	010.24.23 (Server : 10.520.10.35)	○	V5.F6.04.03.092016
	SafeQ Embedded Terminal	1.0.0 (Server : C.0.18.002)	○	V5.D6.15.03.120609
	Scanner Vision	1.0.6 (Server : 6.2.0.270)	○	V5.D6.04
	Scanshare Essentials	1.5.15.167 (Server : 4.0.5)	○	V5.D6.04
	Ubiquitech Easy & VDMS	1.5.3-rel3 (Server : 5.0.0-rel [ca91b])	○	V5.D6.15.03.120609
	e-Paper Sentinel	5.0.7	○	V5.D6.04
	Prism ScanPathTM	1.0.49 (Server : 2.5.0.29)	○	V5.C6.05
	SmartUX	Nuance unified client	1.0.0.606 (Server : 5.7.28.6490(CAS:5.7.28.6490, APD : 7.0.4.0))	⊙
PrinterOn	PrinterOn Branded Agent	2.03.003	○	V5.F6.04.03.092016

- ⊙ 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	TSP ID	Division	Change Description
V5.G6.01.02.050715 (2019-05-30)	Problem		KOREA	Fixed, XSS weak point of Samsung models.
	Problem		KOREA	Fixed, slow UI and slow copy feature.
	Problem		KOREA	Fixed, IPv6 manual address for fdxx as prefix.
	Problem		KOREA	Fixed, MP Holder Pad to display in SWS.
	Problem		KOREA	Fixed, S5-3116 if no hardware failure.
	Problem		KOREA	Implementation of new requirement to enhance the SWS security.
	Problem		KOREA	Fixed the IDCOPY parameter getting reversed while submitting of job.
	Problem		KOREA	Fixed, to print all documents in queue from BCPS when documents come from MacOS.
	Problem		KOREA	Fixed, the fax not working while in power save mode.
	Problem		KOREA	Fixed the issue of device going to home screen after login using GeniusMFP solution.
	Problem		KOREA	Fixed, Manual Reset of device quota reset policy.
V5.G6.01 (2019-01-30)	Problem		KOREA	Fixed the UI slowness issue which use to happen after adding more widgets at home and machine was not rebooted for 2 to 3 days.
V5.F6.04.03.092016 (2018-11-01)	Problem		KOREA	Fixed the issue that image log not sent to Printing Security Solution Server when fax images received through Line2
	Problem		DEV	Fixed the issue of WSD Print installation with Win10 (1703/1709/1803)
	Problem		DEV	Fixed the Google Address Book stay signin issue and showing previous user contacts
	Problem	SIE174695	EMEA	Fixed the issue of Box app Authentication
	Problem		DEV	Fixed MFP slow down issue with mDNS
V5.F6.04.02.071215 (2018-08-01)	Problem	SIP68753 TP174000	EMEA	S1-2452 Error issue was fixed by improving the DB recovery logic
	Problem		DEV	When SNMP Community Web Service is called via HPSM application to add/edit/delete the community names, a side effect is observed that SNMPv3 is getting disabled. This side effect is fixed
	Problem	SIP68582	AMS	Fixed SMB 2/3 job failed issue due to excessive permissions requested
	Requirement		DEV	SNI(Server Name Indication) is added by new requirement for Google Cloud Print servers when SSL enabled.

	Requirement		DEV	New feature implementation for configurable 'SSL/TLS' protocols and ciphers option. Security level configuration can be done according to user requirement from SWS.
V5.F6.04.01.0 41619 (2018-05-04)	Problem	TP1790KD	SEAU	'Error 403' caused when connecting to Google Addressbook due to Google policy changes is fixed.
	Problem	-	DEV	The intermittent stoppage caused when creating Hibernation Image when https is enabled is fixed.
	Problem	-	DEV	Inaccurate range value associated with Scan background density from Nuance Unified client compatibility test is fixed.
	Problem	TP17A06W	SEA	The issue that file stored at Box App is not intermittently deleted at the device where HDD Image Overwrite is enabled is fixed.
	Problem	-	SEBN	Login speed has improved when using Nuance Unified client.
	Problem	SIP65701	SEG	The issue that certificate related setting value is reset as default after changed F/W version including updated Send App is installed is fixed.
	Problem	SIP64544	SEAU	The issue that fuser detection fails due to intermittent timing in case that a user sends a job when the device enters sleep is fixed.
	Problem	SIE154757 SIE156425	SAU	The issue that email is not delivered under ScantoEmail in case that special characters(ex '!',') are included in sender's user name is fixed.
	Requirement	SIE157066	EMEA	New certificate of Google Cloud server is applied.
	Problem	-	SEG	Copy sharpness value change failure on FAP is fixed.
Problem	-	EMEA	Special characters except for '<' and '>' are now allowed as LDAP server access password.	
V5.F6.04 (2018-02-12)	Problem	-	KOR	Change to define start and end time when enabling performance optimization feature.
V5.F6.01 (2017-10-27)	Problem	-	SEG	Fixed an issue of unintended color being printed because of wrong processing of 1x1 size pattern in PCL5 job for color printers.
	Problem	-	KOR	Fixed an issue of black text printed as white in specific application for color printers.
	Problem	TP17801L	SEBN	Fixed an issue of the reset database menu being displayed at booting phase by intermittent corruption of audit database index.
	Requirement	-	SEF	LUI default screen is changed to Kiosk home screen when FDI and Smart Printing Kiosk app are used together.
V5.E6.04.04.0 90110 (2017-09-20)	Problem	TP1720J901	KOR	Allow Korean characters in the Scan to SMB path.
	Problem	-	DEV	Fixed an issue of iterated login and logout when performing NFC authentication on device, WIFI/NFC module(SL-NEW001X) installed, with the latest cellular phones such as Galaxy S8.
	Problem	TP1740C3	SEA	Fixed an issue of slow booting or WIFI disconnection when power cycled by soft power button on UI when WIFI/Bluetooth (BLE, Bluetooth Low Energy) module(SL-NWE002X) installed.
	Problem	TP174000	SEUK	Improve DB(Database) error recovery routine for damaged record only instead of DB initialization.
	Problem	TP176005	SEI	Fixed an issue of the memory clear button in the service menu not being activated after power on but intermittent exception occurred in WSD initialization.
	Problem	TP17500A	SEG	Allow compact PDF option in XOA-E API for ISV solutions.
	Requirement	-	DEV	The Blue Angel 2017 ready.
	Problem	TP17704P	SEG	Fixed an issue of WIFI direct not being connected when WIFI/Bluetooth module(SL-NWE002X) installed with 802.11ac mode in MX4 model.
	Problem	-	DEV	Fixed an issue of a fuser replacement message not disappearing even though turning off fuser replacement alarm.
	Problem	TP177025	SEHK	Fixed an issue of a Fax Rx job pending when all received pages can not be decoded by corrupted data.
V5.E6.04.02.0 60911 (2017-06-20)	Problem	TP16C0JD	SEIL	Fixed an issue that the destination of Scan Widget was displayed as None after the Scan Widget was terminated abnormally.
	Requirement	TP1710KL	SEASA	A new API was provided to hide buttons on the navigation bar of UI such as back/home button.
	Requirement	TP1730AG	SEPOL	Remove destination email address in the PDF file generated from Scan to email.
	Problem	TP1710JX	SEG	Fixed an issue where one of continuous printing jobs was not printed intermittently due to problems while spooling data to HDD.
	Problem	TP1670LC	SEA	Added a new settings which specifies a default folders of Box App. * Box App > Action Overflow(3 dot button) > Box Settings > Default Display Folder
	Problem	-	DEV	Fixed an issue that sometimes a job was not canceled and remained cancelling state until rebooting.
	Problem	TP1740DR	SEUK	Fixed an issue that when a large number of print jobs were saved in the Box, some of jobs were not printed by Print & Delete function for all jobs.
	Problem	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.
	Problem	TP17600R	SEG	Fixed an issue where finishing option is cleared to default when the job was rescheduled by paper mismatch/empty.

V5.E6.04.01.0 42409 (2017-05-08)	Requirement	TP1670QW	SEA	Added Bates Numbering feature to the copy app. Prefix, Suffix, and Number of Digit (up to 9 digits) settings are added to the Copy > More > Stamp menu	
	Requirement	TP16A0SB	SEUK	Added a Jam Count Rreset feature to the service mode. Added a reset button to Service Menu > Maintenance Counts > Jam Count menu	
	Problem	TP16B0KD	SEG	Fixed an issue where the separator page was stapled together with the original printout when Separator Page was applied to the PC driver.	
	Problem	TP16C0JQ	SEA	Populate recipient name in front of "From" email address at the Scan to email function. ex) As-Is : From : <sghj@ghj.com> To-Be : From : "ghjeong" <sghj@ghj.com>	
	Problem	TP16C003	SEG	Fix an intermittent issue that partially damaged PDF file is generated by color scanning with compact PDF option.	
	Problem	TP171017	SEA	Fixed not to staple every single page for multiple printing of one page.	
	Requirement	TP16909R	SEBN	Supported a special character '\ ' in the LDAP search option.	
	Problem	TP16C0EG	SECH	Added a function to automatically fill user email address registered in the job account (JAC) in recipients when logging in and running Scan & Send App.	
	Problem	-	DEV	Even an user changes filename format of Scan&Send > Scan Options > Filename, real date & time will be used if it still has Dates&Time format, such as DDMMYY. ex) As-Is : test_DDMMYY saved as "test_DDMMYY" To-Be : test_DDMMYY will save as "test_100517"	
	Problem	TP1710G8	SECA	Fixed an issue where the Fax Reception Mode was set to DRPD and the ring pattern was memorized but it disappeared when the power was off and on.	
	Problem	TP1710MR	SEA	Switch to fax sending job by deleting email address when entering fax numbers if email was already put as a recipient at the Scan & Send app.	
	Problem	TP1720G8	SEG	Fixed an issue that remaining error handling videos were not displayed when one of the simultaneous error handling videos was closed.	
	Problem	-	DEV	Fixed the black and white scan counts to be increased for scanning job with setting the color mode to the mono.	
	Problem	-	DEV	Fixed not to print when user quota was exceeded while copying and printing simultaneously.	
	V5.E6.04 (2017-03-24)	Requirement	TP1660L0	SEUK	Added a function to select and take address directory from LDAP.
		Problem	TP1730EW	SEG	Fixed to select an item from LDAP result when Server tab is set as default at Scan & Send app's address directory function.
Problem		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.	
Problem		-	DEV	Improve double-sided printing speed of Executive paper size.	
Problem		TP1730KE	KOREA	Fix an error in PDF direct printing by abnormal font data included in the PDF file which is generated by specific PDF creator application.	
Problem		TP16C0KM	SEAU	Fixed an issue of filtering an e-mail as junk mail on Gmail server if the default message was used	
V5.E6.04 (2017-03-24)	Problem	-	DEV	Fixed an issue of displaying devices with the same MAC address at Fleet Admin Pro's device list	
	Problem	TP1710BP TP16707Q TP172037	SEA SEDA SEASA	Fixed an issue of initializing Job accounting setup info. created at FleetAdminPro when rebooting the device at SWS or FleetAdminPro.	
	Problem	-	KOREA	Fixed an issue of intermittent disappearance of PC list by DB corruption when using Scan to PC.	
	Problem	-	SEF	Fixed an issue of unworked SFE behaviors when applying SFE27, SFE54 setup at issued versions	
	Problem	-	DEV	Fixed an issue of admin password change as default when enabling SFE 019 function at issued	
	V5.D6.15.04.0 11715 (2017-01-23)	Problem	TP1670DJ	SEA	Fix an issue that destination information disappears at program execution after address book import and device setting backup (cloning) when using address stored in Address book to register destination of program.
Problem		TP1670LQ	SEA	Allow mixed size to be default for original size value in the Copy / Send App, and keep the	
Requirement		-	SEUK	Fax paper source tray setting is added to SWS.	
Problem		TP1670UW	SEI	Add "[,], ^" to the folder name input function at Scan to SMB feature.	
Problem		TP1680HV	SENA	Add Umlaut charset to the folder name input function at Scan to SMB feature.	
Problem		TP1690AR	SEA	Fix issues at Air print - Correct a problem where the Duplex option didn't work at URF mode. - Fix an issue where portrait and landscape alternate when printing the same document intermittently.	
Problem		-	DEV	Improve G3 fax transmission / reception quality and retry job protocol in VoIP environment.	
Problem		TP16A0B5	SEA	Fix a problem where the machine reboots when using small paper that is not supported by DPDF.	
Problem		TP16B017	SEG	Use a temporary file name while scanning and saving the file, and rename it after the saving is	
Problem		TP16B017	SECA	Fix an issue where JAC enable / disable do not work by job type via Fleet Admin Pro.	

(2017-01-23)

Problem	TP16B0LX	SEPOL	Fix a problem that causes the device to freeze when the scanned image is skewed from the Searchable PDF option setting at scanning.
Problem	TP16B0ON	SEI	Fix a problem that cause performance degradation when using counter widget.
Problem	TP16B0SM	SEF	Fix an issue where the total sent page is incorrectly displayed in the fax sent report when retransmitting due to an error occurred during fax transmission.
Problem	TP1690PR	SEG	Fix machine stop when setting the Compact PDF option and changing color setting to Mono in Easy setting during scan.
Problem	TP16A0OQ	SEA	Correct the problem that certain SFE functions are turned off after HDD recovery.
Requirement	-	DEV	Add HDD defect check function in HDD recovery mode screen.
Requirement	-	KOREA	Improve fax widget button size and space between buttons for user convenience.
Problem	TP1670VH	SEG	Fix the problem where scan data transfer is slowed down for a sync problem when there are a lot of files in the target folder at the Scan to SMB function.
Problem	-	DEV	Fix a false alarm which misunderstands that IP conflict occurs from ARP protocol cache handle

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(2017-01-23)

Problem	TP1670DJ	SEA	Fix an issue that destination information disappears at program execution after address book import and device setting backup (cloning) when using address stored in Address book to register destination of program.
Problem	TP1670LQ	SEA	Allow mixed size to be default for original size value in the Copy / Send App, and keep the mixed size setting value when creating a program.
Requirement	-	SEUK	Fax paper source tray setting is added to SWS.
Problem	TP1670UW	SEI	Add "[,] , ^" to the folder name input function at Scan to SMB feature.
Problem	TP1680HV	SENA	Add Umlaut charset to the folder name input function at Scan to SMB feature.
Problem	TP1690AR	SEA	Fix issues at Air print - Correct a problem where the Duplex option didn't work at URF mode. - Fix an issue where portrait and landscape alternate when printing the same document intermittently.
Problem	-	DEV	Improve G3 fax transmission / reception quality and retry job protocol in VoIP environment.
Problem	TP16A0B5	SEA	Fix a problem where the machine reboots when using small paper that is not supported by DSDF.
Problem	TP16B017	SEG	Use a temporary file name while scanning and saving the file, and rename it after the saving is completed to improve errors caused by access to a file that has not been completely saved.
Problem	TP16B0I7	SECA	Fix an issue where JAC enable / disable do not work by job type via Fleet Admin Pro.
Problem	TP16B0LX	SEPOL	Fix a problem that causes the device to freeze when the scanned image is skewed from the Searchable PDF option setting at scanning.
Problem	TP16B0ON	SEI	Fix a problem that cause performance degradation when using counter widget.
Problem	TP16B0SM	SEF	Fix an issue where the total sent page is incorrectly displayed in the fax sent report when retransmitting due to an error occurred during fax transmission.
Problem	TP1690PR	SEG	Fix machine stop when setting the Compact PDF option and changing color setting to Mono in Easy setting during scan.
Problem	TP16A0OQ	SEA	Correct the problem that certain SFE functions are turned off after HDD recovery.
Requirement	-	DEV	Add HDD defect check function in HDD recovery mode screen.
Requirement	-	KOREA	Improve fax widget button size and space between buttons for user convenience.
Problem	TP1670VH	SEG	Fix the problem where scan data transfer is slowed down for a sync problem when there are a lot of files in the target folder at the Scan to SMB function.
Problem	-	DEV	Fix a false alarm which misunderstands that IP conflict occurs from ARP protocol cache handle problems to false IP alarms (false alarms).
Problem	TP16B0QL	SEG	Fix the problem that the device may reboot intermittently when switching from duplex to simplex printing during a large number of continuous printing job.
Problem	-	DEV	Fix the device stop when setting double-sided, 400% enlarge option in copy job .

Problem	TP1690W6	SEF	Fixed several bouygues telecom issues. - Fixed the App and Widget are disappeared in home screen in Ubiquitech. - Fixed the layout and button are broken in Ubiquitech. - Fixed the job pending issue when the home button was selected before Send Job is completed with Skip blank page enabled.
Problem	TP16B0CT	SEAU	Fixed the Searchable PDF not being generated when a certain complex pattern is recognized with Searchable PDF enabled
Problem		KOREA	Fixed the error page not being printed abnormally in the solution environment's printing case.
Problem	TP16B057	SEF	Fixed the Mono printer issue of job being canceled when the job was sent to color print driver with Application authentication on
Problem	TP16B027	KOREA	Fixed the issue of quota not being reset at times when the device goes into the sleep mode at the time of quota reset.

V5.D6.15.03.1 020609 (2016-12-08)	Requirement	TP1630R0 VO-1506-000610 VO-1507-000139	SEA SECA SEG	Developed a new app for full build job support (The app will be released in the app center next Regualr FW release officially).
	Requirement	-	DEV	Developed a new Smart Scan app (The app will be released in the app center next Regualr FW release officially).
	Problem	-	DEV	Fixed the Schedule Image Overwrite automatically changing from on to off when powering the device on or off.
	Problem	-	DEV	Improved screen transition speed between tabs on UI OOB app.
	Requirement	TP164027	SEA	Modified the LDAP contact usernames to display either surname or given name.
	Requirement	TP1640FF	SEA	Added a default contact selection feature between LDAP and local contacts in the Send app.
	Requirement	TP1650OK	SEA	Added SSO support to allow LDAP search using Kerberos ID/PW.
	Requirement	TP165011	SEG	Added the Borderless printing feature. (SFE56)
	Requirement	TP1660JA	SEA	Added buckle adjustment feature in the service mode.
	Problem	TP16611L	SEUK	Fixed the intermittently changing home screen setting issue with wifi enabled.
	Problem	TP1670O8	SEA	Fixed the VNC connection issue when using a password with a certain character.
	Problem	TP168030	SEA	Fixed the intermittent booting issue after a FW update fail.
	Problem	TP1680K1	SEIL	Fixed the issue of VNC setting menu not showing correctly in Hebrew.
	Problem	TP1670IC	KOREA	Fixed remaining roller counts showing as negative numbers in the Counthru environment.
	Problem	-	KOREA	Fixed imaging unit or toner cartridge being recognized as uninstalled at times.
	Problem	TP169064	SENA	Fixed the printing error when using remote pull printing in the Printing Security Core solution.
	Problem	TP1680JH TP1670W4	SEAU	Fixed fax reception stopping with an invalid caller ID coming through.
	Requirement	TP1690AQ	SECA	Added Letter/Legal MSO fax reception functionality.
	Problem	TP1690MM	SENA	When selecting fixed the menu display revert Swedish or Hungarian language, the device storage menu screen is reverted.
	Problem	TP1640A0	SEAU	When entering D or d after connecting external keyboard to USB, input value is not displayed properly and going back to the previous screen.
Problem	TP1680UX	SEG	In PCL5 printing, outbin setting of Mailbox is not working. Instead, all are printed as basic output bin.	
Problem	TP16A020	SEUK	When pushing start button before From/To values of send app are prefilled, send job is not working from time to time.	
Problem	TP16A0FH	KOREA	SFE feature setting value changes to default from time to time.	
V5.D6.15.02.1 02513 (2016-10-31)	Requirement	SR-1508-000118 VO-1508-000350	SEA	The total user accounts increased from 500 to 2000.
	Fixed issue	TS-1512-000029	SEAU	Intermittent job pending issue during scanning a large volume of media with compact PDF as an option was resolved .
	Requirement	TP1640K502	SEG	Printing on a number of paper types including Letterhead / Punched / Preprinted was improved -Fixed wrong application of staple when staple option is selected.
	Fixed issue	TP1660HG01	SEG	Modified mistranslation in German
	Fixed issue	TP1660GU01	SEA	Intermittent print job stoppage when user processes complete after DSDF jam.
	Requirement	TP1650IT01	KOREA	Added a feature that can allow FAP monitoring of inactivation function of USB memory stick.
	Requirement	TP1650PP01	KOREA	Added an option that enables changing the priority order of multi-use paper tray during copy.
	Fixed issue	TP1660VG01	SEA	S5-3111 error not being displayed in error report was fixed.
	Fixed issue	TP16616201	SEDA	Fixed the issue of which the printer continues to print from a printable tray rather coming to a halt at the tray empty point selected by user when a different tray option is applied per page within a single job.
	Fixed issue	TP16703Z01	SEA	Took out the description about features that are not applied to Help app.
	Fixed issue	TP16705401	KOREA	Resolved the issue of system user being logged on instead of an actual print user when the user logs out while printing with print security solution.
	Fixed issue	TP16701V01	SEA	Fixed the issue of +Me Box still running even when Box Application is disabled.
	Requirement	TP1630TE03	SEF	Added an option to maintain Jam animation until error is cleared.
	Fixed issue	TP16709701	SEBN	Secured a compatibility of PDF/A Scan file with ISO 19005-1.
	Requirement	TP1670DA01	KOREA	Added a feature to allow use or delete scan/ transmission destination.
	Fixed issue	TP1660NE01	SESA	Resolved the issue of which reduced information, which was saved when program is generated,
	Requirement	TP1670PP01	KOREA	Added a function that aggregates usage data within a certain period of time selected by Counter App user.
	Fixed issue	TP16601Y	SEUK	Fixed user being automatically logged out while using MagStipe Readers login.
	Fixed issue	TP16502A	KOREA	Improved the issue of the system slowing down in DHCP mode without DHCP server
	Fixed issue	TP1680J3	SECA	Fixed MP tray setting value is changed after Power on/off in case of envelop size.
Fixed issue	TP16706H	SECH	Fixed slow printing issue when the set enables JAC Fleet Admin.	

V5.D6.15 (2016-09-05) * Not included V5.D6.14.01.0 81720 items.	Fixed issue		SEM KOREA	Fixed toner supply error in case of a big temperature changing enviroment.
	Requirement	VO-1509-000191 SR-1507-000561	SEG SEF	Adding a feature to align the secure job list in LIFO and FIFO forms as preferred by user.
V5.D6.14.01.0 81720 (2016-08-19)	Requirement	TP1650L8	SEDA- SIMPRES S	Adding a feature to turn on/off alarm for toner status when it's low.
	Requirement	SR-1507-000568	SEG	Adding a selecting feature for a paper tray and a media type using a PjL command.
	Requirement	SR-1507-000568	SEG	Adding a feature of sending state information only when the entire job is completed for any job linked to VPSX server.
	Requirement	SR-1506-000840 VO-1410-000185	SEBJ SEA Korea	Adding a PC scanning feature using a USB cable.
	Requirement	TS-1508-000397	SEDA	Supporting UBS flash drive in NTFS format.
	Requirement	SR-1509-000477	Korea	Adding a feature for making a document box invisible to users who login as SWS when admin disables the box.
	Requirement	VO-1511-000153 SR-1601-000115 VO-1511-000059 TP1660B4 TP16610P	SECA Korea SEI	Adding a feature to allow users reboot a set at their desired time/cycle.
	Fixed issue	TS-1511-000581 TS-1511-000582 TS-1511-000583	SEF	Improving the issue with intermittent failures when setting options for copy and/or authorization as Fleet Admin.
	Requirement	VO-1508-000490	Korea	Disabling warning messages when the cover is open during platen scan.
	Requirement	VO-1509-000398	SEUK	Adding a delete and a preview feature during box printing.
	Requirement	SR-1510-000416	SELV	Modified to print a box-saved PRN file with Drive options that were applied when generating the PRN.
	Requirement	VO-1511-000388	SEF	Adding a feature to display telephone numbers or names (as saved in the address book) in the Fax Sent Report.
	Requirement	VO-1411-000459 VO-1511-000431	SENA SEF	Adding a Test button in the E-mail notification setting for an SMTP check.
	Requirement	SR-1512-000207	SAPL	Adding a feature to reset a user's personal accounting information.
	Fixed issue	TP1640HA	SEAU SEF	Corrected the problem of a job being cancelled when Print job control is OFF and FDI balance is 0.
	Fixed issue	SR-1512-000319	SENA	Improving authentication errors when an FTP password contains ":",
	Fixed issue	TS-1601-000638	SEBN	Correcting the problem of test pattern not being printed in a service mode.
	Fixed issue	TP16500K	SEF	Improving the recognition failure of Skip blank feature during a low resolution scan (100dpi).
	Fixed issue	Q1603_0175	Korea	Improvng the connection failure problem due to non-support for NOOP command in a certain SMTP server.
	Fixed issue	TP1630CO	SEBN	Adding additional paper types in the selection during Google cloud printing.
Fixed issue	TP1630PW	Korea	Correcting intermittent failures of Color mode printing or color document being printed in mono during auto copying.	
Fixed issue	Q1603_0263	Korea	Correcting intermittent Power off malfunctions in NFC user interface.	

Fixed issue	TP1640AE	SEAU	Improving intermittent Kerberos authentication errors due to timing issue after powering on/off.
Fixed issue	TP1640EO	SEBN	Improving poor Dutch translation.
Fixed issue	TP1640F8	SEAU	Improving the issue of Multi destination emails not being sent when using a certain SMTP server.
Requirement	SR-1503-000854	SEA	Adding a feature to recognize papers smaller than A4.Letter as A4.Letter during scanning.
Requirement	SR-1509-000006	Korea	Adding a feature to include PSTN line state information in Fax Diagnostic Report.
Requirement	TP1650U601	Korea	Supporting special characters (<, >, \, ") for a password. (If usage enviroments is solution, then need to B2B driver and solution)
Fixed issue	TP1630CY	Korea	Improving reading errors when using EPSoft card readers.
Fixed issue	TP16500S	SEA	Improving print errors due to wrongly generated data during LPD/LPR print data processing.
Fixed issue	TP1640IT	SSA	Improving the issue of completed secure print job remaining on the job list.
Fixed issue	TP1630AU	SEA	When previewing PDF or TIFF images on Box App, the previewed image may have unexpected
Fixed issue	TP1630FS TP1661SE	SEA SECA	During Scanning with compact PDF option, Set locks up at times.
Fixed issue	TP16403C	SEAU	Fixing memory leakage issue according to repeated solution install/uninstall.
Fixed issue	TP1640IZ	SEG	The poor German translation(StauWdrherste) will be changed.
Requirement	SR-1508-000346	SESA	Adding specific setting method through PJI command. - PCL font size, Tray1 paper size, Mp Tray paper size
Fixed issue	TS-1603-000018	SEUK	Correcting the problem of complex PDF document not being printed intermittently.
Requirement	TP1660DJ02 SR-1507-000265	SEG SEAU	Adding Numeric keypad for PIN code input in solution (API only).
Requirement		SEUK	Adding APK installation method in the Fleet Admin Pro.
Fixed issue	TP16613F	SEA	Fixing wrong IP address displaying on the notification screen in case of DHCP mode.
Fixed issue	TP16502T	SEA	Fixing powerpoint abnormal output from MAC office 2016.
Fixed issue	TP1640KG	SEG	Improving performance of 1-bit indexed color image document.
Fixed issue	TP16706H	SECH	Fixing printing job pending issue according to authentication fail.
Fixed issue	TP1650AD	Korea	Improving scanning speed when user sends many fax images.

V5.D6.14
(5-July-2016)

Fixed issue	TP1640DH	SEUK	Enhanced overall UI performance for a case where a device supports more than 501 external user IDs.
Fixed issue	TP16500R	SEG	Fix inability to use '\$' character in Scan to SMB path.
Fixed issue	TP165051	SME	Fix occasional inoperability on Copy Widget +,- buttons.
Fixed issue	TP1660OX	KOREA	Fix printing jobs are held at times when burst job request is received.
Fixed issue	TS-1601-000563	SESG	Fixed a job pending issue during Scan to SMB using NetApp SMB server.
Fixed issue	TP16303L03	SESG	Fixed an issue of user email not being prefilled in Send App during the Basic and Application Auth Mode while using Safecom solution.
Fixed issue	TP16303L03	SESG	Fixed an issue of Safecom pull print application closing immediately after a user login. Enhanced the safecom login operations for time-dependent cases.
Fixed issue	TS-1601-000202	SENA	Enhanced user login performace (reduced the login time) for a case where hundreds of secure print jobs are stored in a device.
Fixed issue	TP1630D701	SEI	Applied a scan authority checking process for a case where Dynamic Workflow is executed in the Application Auth mode before Send App launches after the device boots up.
Fixed issue	TP1640XN	SEI	Enhanced copy widget performance for a case where a user tries to conduct a job immediately after a device boots up or wakes up from a power save mode.
Fixed issue	TP1630TE	SEF	Disabled the PDF/A option for 600 dpi resolution in Send app.
Fixed issue	TP1630HK	SEBN	Fixed an issue of not cloning the authentication status in the admin setting for printing.
Fixed issue	TS-1601-000468	SEAU	Fixed an issue of scan images having a light background when a scan job is done with an "Auto Color : Color/Mono" option on.
Fixed issue	TP1630CM	SEA	Fixed an issue of device card login not working sometimes in a sleep mode.
Fixed issue	TS-1602-000038	SEA	Enhanced print performance for duplex images (color/mono mixed images).
Fixed issue	TS-1603-000002	SEA	Added more animations for paper jam clearing guidance.
Fixed issue	TS-1511-000148	SEA	Made Scan to FTP compatible with Serv-U FTP server.
Fixed issue	TS-1601-000459	SAPL	Fixed an issue of color options not being able to be saved as default in Quick Copy in a Device Authentication mode.
Fixed issue	TP16400T04	KOR	Fixed the login page sometimes displaying a white screen.

	Fixed issue	TP1630RG	KOR	Enhanced Copy widget printout performance to be as powerful as that of Copy App.
	Fixed issue	TP1640H0	KOR	Enhanced secure job cancel function to delete received data completely.
	Fixed issue	TP165022	KOR	Fixed Autologout not working sometimes in the Device UI.
	Requirement	-		Applied security compliance requirements from the Korean Government.
	Fixed issue	-		Fixed a 4K-Finisher jam error which occurred when an OHP film is used for copy.
	Fixed issue	-		Improved the management of the IP filtering feature and its default values.
V5.D6.11 (25-Mar-2016)	Fixed issue	N/A	KOREA	Print jobs are held at times when SecuThru (a secure printing software) is used.
	Fixed issue	TS-1602-000104	SEAU	GCP service fails as an expired key is not refreshed.
	Fixed issue	N/A	SEAU	The fax redials the number that was previously entered when dialing using the fax keypad under certain conditions. [Conditions for Reproduction] * Condition 1: Turn Job Progress Window off and Fax Confirmation Report on. Keep the previously dialed fax destination number. * Condition 2: Delete the fax number from step 1 and enter a new fax number using the keypad and hit start.
	Fixed issue	N/A	SEAU	Send Job Cancel does not work at times right after starting Send Job when the Searchable PDF option is on. The UI also locks up on and off under certain conditions. [Conditions for Reproduction] * Condition 1: Turn Job Progress Window off and turn Searchable PDF & Skip Blank Page on. * Condition 2: Cancel the job within 7 seconds after the job starts.
	Requirement	N/A	SEA	New US standard setting values were applied. (Default values for US models) - Auto continue: ON - MP Tray confirm: OFF - Paper Substitution: ON - Tray Priority: Tray1->Tray2-> ... ->MPTray - Toner/Imaging unit Alert Value: 5 - Black Optimization: On
	Fixed issue	TS-1602-000076	SEG	When making a searchable PDF with a 300 dpi or lower resolution, scanned images are cropped and the text on the scans is hard to read in MS Word.
	Fixed issue	TS-1601-000454	SEAU	The device locks up intermittently during scan when Job Progress Window is off.
	Fixed issue	TS-1601-000564	SEUK/SE G	Send does not work at times when Skip Blank Page is on.
	Fixed issue	SR-1602-000397	SEA	Scan to SMB fails if filename contains a space.
	Fixed issue	TS-1512-000456	SEBN	The number of copies cannot be selected when IPP printing in MAC OS.
	Fixed issue	N/A	KOREA	Scan to PC shortcuts generated in a previous version (Vx.C6.xx) do not work after upgrading to Vx.D6.04.
	Fixed issue	SR-1601-000384	SEI/SEG	Fax confirmation reports are not printed to fit one page.
	Fixed issue	TP16307B	SEA	If the top bin of an inner finisher is selected as the output tray, UI progress information is updated slowly. Also, the device slows down when handling 15 copies or more.
	Fixed issue	SR-1601-000624	SEA	If Home Lock is enabled for all users, duplicate icons appear on the Home screen at times.
	Fixed issue	SR-1601-000624	SEA	If a user changes the setting of Copy Customizer, the copy OOB setting also changes.
	Fixed issue	TS-1602-000036	SEA	The Compact PDF option does not work when scanning with the Auto Color Mode on.
Fixed issue	TS-1602-000036	SEA	Scan Adjustment was modified to work according to the default paper size (A4 or Letter) of a country/region in which the machine will be used.	
Fixed issue	TS-1601-000186	SEA	An output tray selected for incoming faxes changes back to the default tray after waking up in a power save mode.	
	Add Func		Support function to create "Web page" shortcuts on the main UI.	
	Add Func		Support Scan ACS Function : In send app, "Auto" Mode (Automatic Color selection) is added.	
	Add Func		Added PIN only authentication mode.	
	Add Func		Skip Blank Page feature for Scan/Copy implemented.	
	Add Func		Error code and description improved. Provides detailed information.	
	Add Func		Job Promotion Activation Feature implemented.	

V5.D6.04 (08-Jan-2016)	Add Func	If 'Staple Empty' error added. The User can select Continue or Hold.
	Add Func	Add Oficio size for Copy, Scan.
	Add Func	Scan to SMB with browsing.
	Add Func	New application to help customers to download and upgrade ROM manually/automatically using Smart update application.
	Add Func	Support Searchable PDF + PDF/A option.
	Add Func	Reduced the file size of searchable PDF (OCR PDF).
	Add Func	SSL, TLS, None are supported for SMTP from SWS.
	Fix defect	The paper option is displayed Custom size on Apple device.
	Fix defect	When two interface (Ethernet/Wifi) have same IP Address. IP conflict error message will be
	Fix defect	ID/PW values for Job Accounting are missing when user sets 'Preset' feature supplied by O/S.
	Fix defect	The machine stops intermittently when the Customer is using the copy Widget.
	Fix defect	If Application Authentication is enabled, previously created short-cut does not work.
	Fix defect	Value of counter app is wrong for specific period.
	Fix defect	Not able to send fax for more than 15 recipients.
	Fix defect	The output has wrong page order of booklet.
	Fix defect	You may see that LCD is black after wakeup by touch or wakeup by jobs.
	Fix defect	File can not be deleted from Box.
	Fix defect	Copy myprogram is not updated after edited and saved in home shortcut.
	Fix defect	DHCP renew does not work with P2 powersave.
	Fix defect	Booklet printing speed is improved.
Fix defect	User is not able to edit Wi-Fi IP settings. IP Setting menu from UI is disabled intermittently.	
V5.C6.11 (8-Sep-2015)	Add func.	Support Korean language file name on ScanToPC menu.
	Add func.	Supply security patch for Apk integrity.
	Fix defect	Machine rebooted very very rarely at receiving in case Machine is turned on by soft power on.
	Fix defect	Fix defect that user can't cancel current job sometimes.
	Fix defect	Fix defect of showing S5-3111 error on UI after sending print job while machine stays in sleep mode.
	Fix defect	Fix defect that machine will not wake up from UI sleep mode in spite of wake up event.
	Fix defect	Fix defect that the overwrite function doesn't work when import address book CSV file under GUI.
	Fix defect	Fix wrong translation in Finnish.
	Fix defect	Fix Scan & send App to launch properly.
	Fix defect	Fix defect of not deleting job list in UI.
	Fix defect	Fix defect that XOA-Web login page issue. (showing home page instead of Xoa application page)
	Add func.	Supporting the filename in send UI allowing to enter currencies.
	Fix defect	Fix defect of not working copy widget.
	Add func.	Add function to Send App of removing destinations after the Job is started.
	Fix defect	Fix defect that the Send App was crashed while launching the program with Auto start option, sometimes
	Fix defect	Fix defect of rebooting by internal buffer overrunning.
	Fix defect	Fix defect of rebooting and broken image on 2-2 copy.
	Fix defect	Fix defect of broken image on duplex print (A5 SEF 2 - 2 book copy To MP Tray with Finisher).
	Fix defect	Fix defect that when user adds manual route entry in routing table through SWS after reboot, user defined entry is lost and user is not able to set Wifi as default gateway.
	Add func.	Add function of increased Font Size to 26 DP in Send application.
Fix defect	Fix file name issue of Korean character in ScanToPC.	
Fix defect	Fix defect that traditional Chinese is not applied in Settings.	
Fix defect	Fix defect of stop 2-2 copy job.	
V5.C6.08 (29-Jul-2015)	Fix Defect	Change Fuser release control behavior.
V5.C6.07 (30-Jun-2015)	Fix Defect	Fix not for launching Send App.
	Fix Defect	App crash is observed if user taps on to the UI while image loading is on progress.
	Fix Defect	PaperCut flicking issue.
	Fix Defect	SWS set 400% , Copy show 400 % . but output paper is 100%.
	Fix Defect	Scan to USB job is not happening after OHD Job.
	Fix Defect	Copy Save to box -> Store and print file name overwrite issue.
	Fix Defect	Program shortcut is seen after wakeup from sleep(log-out state).
	Fix Defect	Fax Widget hanged and need POPO when continuous jobs are performed.
	Fix Defect	Fix defect of disappearing Short cut icon after POPO.

	Fix Defect	Fix Fax Widget issue 1. Fax Widget hangs due to hard copy security NULL value. 2. Sometimes fax number goes as empty and Job will not happen. 3. Sometimes start button is disabled and not enabled.
	Fix Defect	Fixed memory issues, it was crashing applications due to low memory.
	Fix Defect	Watermark Icon change.
	Fix Defect	After reboot, all Send programs was not displayed on HOME.
	Fix Defect	MFP was not discovered as Airprint device from MAC OS.
V5.C6.05 (18-May-2015)	Fix Defect	Staple malfunction when coping 2 originals
V5.C6.04 (15-May-2015)	Add Func.	Add new Hebrew strings.
	Fix Defect	AMPV value is not correct with actual amount of usage.
	Fix Defect	Box app close automatically if set Job Progress Window as Off and select a file and do print in Box app.
	Fix Defect	Scan to Email functionality improved.
	Fix Defect	Custom Paper size in Settings are not showed in Tray Confirmation pop-up window.
	Fix Defect	In Send App , after making the Job Progress Window OFF from Settings. Only first was able to be performed. Next jobs was not allowed to proceed due to a invalid check in UI.
	Fix Defect	Fix f/w issue that can occur using easy launcher with xoa-e login solution.
	Fix Defect	Build job's output did not be printed from user selected tray.
	Fix Defect	Scan to Email functionality improved.
	Fix Defect	Fix defect of CounThru issue.
	Fix Defect	<ol style="list-style-type: none"> 1. After Back up and Restore, Back up is not set(authorization. mode, application management) 2. Fix a PCL6 error when print a A3 format by A4 size. 3. Improve the delay to print a large sized PDF file. 4. Wrong localized message for Communication Error string 5. LDAP issues and Auto log out issue. - Pre-fill issue, field [To] is not properly filled. - Auto "logout time" doesn't works even if the time is expired, the UI never logged out automatically. 6. If user login before AA initialization, UI does not work with "Please wait" message. 7. [Print Driver] Install/Print Performance Enhancement. 8. Disable screen shot capture after restore the item is already set to disable but needs. 9. Printing a job with Chinese name from USB does not work. 10. DNS does not work when IPv6 is enabled. 11. Improve scan quality of original image with Watermark. 12. Language combo is not appearing in EDC save properties window in Win XP environment. - In case of text converting scanning, it will not be possible to list the languages available to save scanned document. 13. Change Custom sized paper type of MP tray to show in Tray Confirmation popup after selecting it from Plain to other type. 14. Korean fonts from Safari AirPrint spool files are broken. 15. Fix the custom paper size to save and show in Tray confirmation popup and Tray Settings. 16. Add translation of Development Unit on SWS 17. Support 'Scan to SMB V3' protocol on Mac OS 10.10 18. Improve the printing time of A3 PDF file on MS Project. 19. After power off using Power button on UI, FDI is not counted. 20. Improve UI performance.
		<ol style="list-style-type: none"> 1. All individual setups in the Android UI can save in a backup file. 2. Add stamp position TOP_CENTER / BOTTOM_CENTER for Copy. 3. Apply background image & guide text on FDI block screen. 4. Display the status of Log-In. 5. Add a confirmation prompt to exit service mode as well as for memory clear. 6. Add 'host name' to pull down menu of home screen. 7. Authentication for Entering "Apps" Menu. 8. Add to show a warning against the status of HomeScreen Lock. 9. Add the function to select Right / Left staple. 10. Add Fax Send Confirmation report.

V5.C6.03 (17-Apr-2015)	Add Func.	11. Add ID Send to box, but not to store in the USB device. 12. Support Scandic letters when scan to email. 13. Support Hebrew and Arabic font in 4th GUI. 14. Support to select decreased image of first page on fax send report. 15. Support SFE [032] - Line compensation for MS Excel. 16. Add QR code that contains Device related data on Settings App. (Settings -> About System). 17. Request to set Logout Confirmation popup to be enable or disable. 18. Add a feature to remove deactivated scan ID from UI. 19. Request to sort Korean alphabetically for Scan To Shared Folder list. 20. Support 'o' search filter in LDAP search and LDAP authentication. 21. Support Scan to FTPs. 22. Homepage customization of UI and remote distribution. 23. Support Confidential Print icon as XOA solution. 24. Support PrinterOn solution by PAR. 25. Request for default user profile for users who logged in through 3rd party solution. 26. Request supplies coverage data display on solutions (SyncThru, PrintFleet) by using SET MIB information.
	Change Spec.	1. Improve to be able to change the settings of the SMTP server through SWAS. 2. Adjustable width on SmartSearch pop-up, when enter in Send to Email. 3. Change the color for destination text in ScanWidget. 4. Paper weights(g) are added with each paper type in the window of tray confirmation popup. 5. Expand the number of characters in password for secure print. 6. Change FaxWidget to be able to do another fax in processing. 7. Change the method of showing Memory capacity (as Main+UI) 8. Improve SWS Report feature view the printer report instead of printing to the printer. 9. Change SPDS error code because are not same as the Device. 10. Add new warning message not to turn off the device during FW upgrade 11. Change to notify NFC FW Upgrade to users. 12. Support a local card reader of China (same as MX4). 13. Support to enable Application Authentication for Web Print application. 14. Change to save more than 20 of Machine ID&Fax numbers in Fax Setting. 15. Expand LDAP Search max results from 300 to 500. 16. Change to be disable to access PDF option if other file format except of PDF is selected in Scan&Send. 17. Change to use UCS file as base table of Smart Color Manager 18. Admin password of many machines can be changable remotely at once. 19. Disable manual input of email address on ScanToEmail. 20. Add 480min as Power save time and disable Eco function. 21. Implement Password validation to be handled in Send. 22. Change ScanToFTP with configurable Communication Mode. 23. Compatibility with HP UPD (Universal Printer Driver). 24. Change Network PC FAX to support 500 recipients. 25. Support Early Warm Up for fast printing. 26. Support "Address Book -> Import" feature for both 'Append' and 'Overwrite'. 27. Support multilanguage for creating Box - file/folder. 28. Change the previous destination to clear after system timeout or if reset is pressed, although "Keep Previous Destination" is on. 29. [Print Driver] Support Custom Tray Mapping and Paper Based Watermark. 30. Change the French translation from "Mon boite" to "MA BOITE". 31. Remove the previous email address not to be remained in email address box to enter after using Scan & Send app. 32. Change the German text from "Anwendungs magement" to "Anwendungsmangement" in "UI->Settings->Application Management" menu.
	Delete Func.	1. Remove Online Registration from SWS > Maintenance > Links.
V5.B6.22 (6-Mar-2015)	Fix Defect	1. After continuous fax jobs are completed, Job window for showing the progress does not closed. 2. UI is pending or Firmware update is going slow intermittenly during booting. 3. Wakeup failure from Power save mode intermittenly. 4. OPC Install Date Writing failure. 5. [SWS]Copy -> Staple Selection & addressbook -> Group does not work properly.
	Change Spec.	1. Separate Fax Send report from the common report.
V5.B6.18	Fix Defect	1. UI Black screen error during booting abnormally. 2. Toner value displaying issue. 3. Wrong date is printed on receive site when sending a Fax.

(16-Jan-2015)		4. Some ISV application does not started after rebooting machine.
	Change Spec.	1. Change UI Firmware to be compatible with eMMC of KingSton. 2. Send usage counter is different from between Counter app and Usage counter information.
V5.B6.11 (14-Nov-2014)	Fix Defect	1. Fix pending on fax receiving by pressing stop button.
		2. Fix send app crashing issue.
		3. Add the wholly delete button on Fax widget.
		4. Improve Scan to PC speed.
		5. Improve LDAP searching function.
		6. Fax printing on unidentified phone number.
		7. Private folder ID can set up upto 64 byte.
		8. Improve SMB scan function.
		9. Modify Google Cloud Printing resister.
		10. Improve line handling performance.
		11. Fix Store and Print issue.
		12. Fix Stop button issue on MP Tray.
	Add Func.	1. Add the button to delete task at once.
		2. Improve LDAP searching function.
		3. Support DFS (Distributed File System) option on SWS.
		4. Number keypad defaulted when PIN code log-in.
		5. Add saving option the created local user to address book.
		6. Add Scan Masking Area Adjustment on Tech Mode.
		7. Add Send tap destination Adjustment.
		8. Support A5 size LEF printing.
		9. Add delete option for default application.
		10. Add function for playing video clip on USB memory.
		11. Add the function of WiFi / Active NFC.
		12. Add Myfax option in +Me setting.
		13. Add sharing function on Box App.
		14. Add Index scrolling in address book.
		15. Support Scan to Me.
		16. Add VNC fuction (Virtual Network Computing).
		17. Add Sharing function Send APP to other APPS.
		18. Support prefix dial on Fax widget.
		19. Add Wi-Fi icon when connected.
		20. Add duplex printing option when printing in USB.
		21. Add option of Web print APP disable.
		22. Add Haptic function to all menu.
		23. Add Web address function of auto complet, progress bar, delete at once.
		24. Add the button to delete task at once.
	Change Spec.	1. Delete initial page on Copy shortcut.
		2. Initialize the copy option when click the Interrupt during copying.
		3. Auto paper detection when using the scan widget.
		4. Copy APP's preview can change to Number keypad.
		5. Improve UX usability.
6. Improve the searching usability of LDAP address book.		
7. Automatically destinate to USB when insert USB memory.		
8. Add extra stamp position.		
9. Enlarge the size of number on Fax widget.		
10. Home Screen Setting authorized by admin, not user.		
11. Always wake up the Panel during video clip play.		
12. Remain recipient after Scan and Send execute.		
13. Add enter the copies number function in Copy widget.		
14. Shows defaultly number keypad in Fax widget.		
15. Create single PDF/TIFF files by scan.		
16. Display lock image on Secure PDF.		
17. Admin has authorize to delete the private folder.		
18. Default color setting of Copy widget is synchronized with Copy APP.		
19. Email notification of Counter Report includes essital contents.		
20. Reduce Scan noise.		
Delete Func.	1. Remove user information from Logs.	
	2. Remove "Ready to Copy" string placed on right bottom of Panel.	