Reissued: 02-Feb-17

Model: Java VM v12 for eDC	Date: 20-Dec-13	No.: RGene087q

RTB Reissue
The items in **bold italics** have been corrected or added.

Subject: Firmware Release Note: Java VM v12 for eDC	Prepared by: H. Morishima
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.	

Classification:			
	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety (Firmware)	☒ Other	☒ Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v12 for eDC.**
<Type>
Std: Standard VM module initially installed or shipped with a machine.
Opt: VM module (SD card) provided as a machine option.

Andromeda-P1 (M205/M238), Be-C2 (D208/D211)*,* Be-C2Lt (D212),
Brz-P1 (M281/M282), Brz-MF1 (D255/D256), CH-C2 (D257), CH-C2 Pro (D260),
Cor-C1, Cor-C1_SOP (D249/D250/D251), Cor-C1.5 (D284), Gim-MF1.5dM (M0A0),
GR-C2_SOP (D219/D220/D214/D196/D236), GR-C3 (D296/D298/D297/D299),
Lef-C1 (D259),Leo-C1 (D194/D195/D203/D204), Leo-P1 (M195/M196/M207/M208),
MD-P3d (M0AH), MET-C2ab (D238/D239), MET-C2cde (D240/D241/D242),
MET-C2yz (D243/D244), MET-P2 (M0AL, M0AJ), Mo-C2 (D262),
MT-C6 (D223/D224/D225)*,* VE-P1 (M136), Z-C2, Z-C2_SOP (D191/D193), Z-P2
(M257/M479)

Version	Model	Type	Program No.	Effective Date
12.47.01	*GR-C3*	*Std.*	*D2965779C_edc*	*December 2016 production*
	MT-C6	Std.	D2235562F_edc	January 2017 production
	Brz-MF1	Std.	D2555773E_edc	
	Cor-C1.5	Std.	D2895567D_edc	
	Lef-C1	Std.	D2055574K_edc	
	Mo-C2	Std.	D2625242F_edc	
	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579M_edc	
	CH-C2 CH-C2 Pro	Std.	D2585780G_edc	December 2016 production
	Gim-MF1.5dM	Std.	M0A05773C_edc	
12.47.01	GR-C2_SOP	Std.	D2145799J_edc	November 2016 production
12.46.01	Andromeda-P1	Std.	M2056028D_edc	January 2017 production
	Z-C2 Z-C2_SOP	Std.	D1915738H_edc	
	Cor-C1 Cor-C1_SOP	Std.	D2025567N_edc	

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	Brz-P1 MD-P3d MET-P2 VE-P1	Std.	M5005752A_edc	
	Be-C2 Be-C2Lt	Std.	D2065884F_edc	December 2016 production
12.46.01	Z-P2a Z-P2b	Std.	M4795751A_edc	December 2016 production
	Leo-C1	Std.	D1955732E_edc	January 2017 production
	Leo-P1	Std.	M1965731E_edc	
12.45.00	GR-C3	Std.	D2965779B_edc	November 2016 production
	Cor-C1.5	Std.	D2895567C_edc	
	Brz-MF1	Std.	D2555773D_edc	December 2016 production
	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579L_edc	
	CH-C2	Std.	D2585780F_edc	November 2016 production
	~~GR-C2_SOP~~	~~Std.~~	~~D2145799J_edc~~	
	MT-C6	Std.	D2235562E_edc	
	Mo-C2	Std.	D2625242E_edc	
12.44.01	Gim-MF1.5dM	Std.	M0A05773B_edc	November 2016 production
	CH-C2	Std.	D2585780E_edc	October 2016 production
12.43.01	Brz-P1 MD-P3d MET-P2 VE-P1	Std.	M5005752_edc	November 2016 production
12.42.01	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579K_edc	November 2016 production
12.41.04	GR-C3	Std.	D2965779A_edc	1st Mass production
12.40.00	CH-C2	Std.	D2585780D_edc	1st Mass production
	GR-C2_SOP	Std.	D2145799H_edc	September 2016 production
	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579J_edc	October 2016 production
	MT-C6	Std.	D2235562D_edc	September 2016 production
	Lef-C1	Std.	D2055574J_edc	August 2016 production
	Mo-C2	Std.	D2625242D_edc	September 2016 production
12.39.02	Z-P2a Z-P2b	Std.	M4795750A_edc	October 2016 production
	Cor-C1 Cor-C1_SOP	Std.	D2025567M_edc	
	Z-C2 Z-C2_SOP	Std.	D1915738G_edc	
	Brz-P1 MD-P3d MET-P2	Std.	M5005751B_edc	August 2016 production
12.38.04	Cor-C1.5	Std.	D2895567B_edc	1st Mass production
	Brz-MF1	Std.	D2555773C_edc	September 2016 production
	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579H_edc	September 2016 production

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	MT-C6	Std.	D2235562C_edc	August 2016 production
12.37.01	Be-C2 Be-C2Lt	Std.	D2065884E_edc	August 2016 production
12.36.00	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579G_edc	August 2016 production
	GR-C2_SOP	Std.	D2145799G_edc	July 2016 production
	Lef-C1	Std.	D2055574H_edc	August 2016 production
12.35.01	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579F_edc	July 2016 production
12.34.01	GR-C2_SOP	Std.	D2145799F_edc	June 2016 production
	Lef-C1	Std.	D2055574G_edc	May 2016 production
12.33.00	Mo-C2	Std.	D2625242C_edc	May 2016 production
	Brz-MF1	Std.	D2555773B_edc	July 2016 production
12.31.03	MT-C6	Std.	D2235562B_edc	1st Mass production
	Gim-MF1.5dM	Std.	M0A05773A_edc	1st Mass production
12.30.01	Cor-C1 Cor-C1_SOP	Std.	D2025567L_edc	May 2016 production
12.29.02	Lef-C1	Std.	D2055574F_edc	April 2016 production
12.28.05	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579E_edc	June 2016 production
12.27.03	GR-C2_SOP	Std.	D2145799E_edc	April 2016 production
12.26.05	Brz-P1 MD-P3d	Std.	M5005751A_edc	1st Mass production
12.25.05	Brz-MF1	Std.	D2555773A_edc	1st Mass production
12.25.05	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579D_edc	1st Mass production
12.24.01	Mo-C2	Std.	D2625242B_edc	1st Mass production
12.22.01	Lef-C1	Std.	D2055574E_edc	December 2015 production
12.20.04	GR-C2_SOP	Std.	D2145799D_edc	February 2016 production
	Be-C2 Be-C2Lt	Std.	D2065884D_edc	December 2015 production
12.18.11	Cor-C1 Cor-C1_SOP	Std.	D2025567K_edc	January 2016 production
	GR-C2_SOP	Std.	D2145799C_edc	November 2015 production
12.17.01	Be-C2 Be-C2Lt	Std.	D2065884C_edc	September 2015 production
12.16.00	Cor-C1 Cor-C1_SOP	Std.	D2025567J_edc	September 2015 production
12.15.03	Andromeda-P1	Std.	M2056028C_edc	September 2015 production
	Leo-C1	Std.	D1955732D_edc	
	Leo-P1	Std.	M1965731D_edc	
	GR-C2_SOP	Std.	D2145799B_edc	
12.13.04	Cor-C1 Cor-C1_SOP	Std.	D2025567H_edc	July 2015 production
12.12.06	Andromeda-P1	Std.	M2056028B_edc	July 2015 production
	Leo-C1	Std.	D1955732C_edc	
	Leo-P1	Std.	M1965731C_edc	

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	Z-C2 Z-C2_SOP	Std.	D1915738F_edc	June 2015 production	
	Cor-C1 Cor-C1_SOP	Std.	D2025567G_edc		
	Be-C2	Std.	D2065884B_edc	June 2015 production	
	Be-C2Lt	Std.	D2065884B_edc	1st Mass production	
12.11.04	Cor-C1 Cor-C1_SOP	Std.	D2025567F_edc	April 2015 production	
12.10.00	GR-C2_SOP	Std.	D2145799A_edc	1st Mass production	
12.09.07	Z-P2a Z-P2b	Std.	M4795750_edc	February 2015 production	
12.08.00	Z-C2 Z-C2_SOP	Std.	D1915738E_edc	December 2014 production	
12.07.06	Cor-C1 Cor-C1_SOP	Std.	D2025567E_edc	January 2014 production	
	Be-C2	Std.	D2065884A_edc	1st Mass production	
	Be-C2Lt	Std.	D2065884A_edc	1st Mass production	
12.06.01	Cor-C1 Cor-C1_SOP	Std.	D2025567D_edc	October 2014 production	
12.05.03	Andromeda-P1	Std.	M2056028A_edc	1st Mass production	
	Leo-C1	Std.	D1955732B_edc	1st Mass production	
	Leo-P1	Std.	M1965731B_edc	1st Mass production	
12.04.09	Cor-C1 Cor-C1_SOP	Std.	D2025567C_edc	August 2014 production	
	Z-C2 Z-C2_SOP	Std.	D1915738D_edc		
12.03.01	Z-C2 Z-C2_SOP	Std.	D1915738C_edc	May 2014 production	
12.02.00	Z-C2 Z-C2_SOP	Std.	D1915738B_edc	April 2014 production	
12.00.19	Z-C2 Z-C2_SOP	Std.	D1915738A_edc	1st Mass production	

Version	Modified Points or Symptom Corrected
12.47.01	[For D259] Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)

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Version	Modified Points or Symptom Corrected
	Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.47.01	[For ***D296/D298/D297/D299***/D223/D224/D225/D238/D239/D240/D241/D242/D243/D244/ D255/D256/D257/D260/D262/D284/M0A0] ***Symptom corrected:*** - ***Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.*** - ***When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.*** - ***When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.*** - ***The DSDK application fails to connect to the LDAP server when using Kerberos authentication.***
12.47.01	[For D219/D220/D214/D196/D236] Symptom corrected: - When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - After logging in to CAP, it may not be possible to print after an error occurs. - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in.

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Version	Modified Points or Symptom Corrected
	- Cannot scan. - Cannot print. - Error message appears. etc.
12.46.01	[For M281/M282/M0AH/M0AL/M0AJ/M136] Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For D208/D211/D212/D191/D193] Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For D249/D250/D251] Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.

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Version	Modified Points or Symptom Corrected
	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For M205/M238] Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - SC637 may occur, if the machine is shut down while printing. - Sending fax from the document server using IPv4-mapped address may result in an error. - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For M257/M479] Symptom corrected:

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Version	Modified Points or Symptom Corrected
	- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For 194/D195/D203/D204] Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - SC637 may occur, if the machine is shut down while printing. - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.

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Version	Modified Points or Symptom Corrected
	- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For M195/M196/M207/M208] Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - SC637 may occur, if the machine is shut down while printing. - Sending fax from the document server using IPv4-mapped address may result in an error. - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.45.00	[D296/D298/D297/D299] Symptom corrected: - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.

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Version	Modified Points or Symptom Corrected
	[For D284] Symptom corrected: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
	[For D255/D256] Symptom Corrected: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
	[For D257] Symptom corrected: Minor bug correction.
	[For D238/D239/D240/D241/D242/D243/D244] Symptom corrected: - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.

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Version	Modified Points or Symptom Corrected
	[For ~~D219/D220/D214/D196/D236~~/D262/D223/D224/D225] Symptom corrected: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - After logging in to CAP, it may not be possible to print after an error occurs. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
12.44.01	[For M0A0] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - If attempted to install an application from Web Image Monitor, installation may fail with an error. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - After logging in to CAP, it may not be possible to print after an error occurs. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
	[For D257] Symptom corrected: - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in.

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Version	Modified Points or Symptom Corrected
	- Cannot scan. - Cannot print. - Error message appears. etc.
12.43.01	[For M281/M282/M0AH/M0AL/M0AJ/M136] Symptom corrected: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
12.42.01	[For D238/D239/D240/D241/D242/D243/D244] Fixed: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After logging in to CAP, it may not be possible to print after an error occurs. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
12.41.04	[For D296/D298/D297/D299] 1st Mass production for GR-C3 (D296/D298/D297/D299)
12.40.00	[For D257] 1st Mass production for CH-C2 (D257)
	[For D219/D220/D214/D196/D236] Minor bug correction.
	[For D238/D239/D240/D241/D242/D243/D244/D223/D224/D225/D259] Minor bug correction.
	[For D262] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - If attempted to install an application from Web Image Monitor, installation may fail with an error.
12.39.02	1st Mass production for MET-P2 (M0AL, M0AJ)
	[For M257/M479] Symptom corrected: - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.

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Version	Modified Points or Symptom Corrected
	- Java VM may not start up correctly if the main power switch is turned OFF about three minutes after the "Success" banner is displayed following a successful update of the Java VM using the update tool. - CAP V2 is disabled if the machine switches to Energy Saver mode during the CAP V2 start-up just following power ON. - Machine response slows down when a trouble occurs in the HDD. - User information may not be displayed, if a job is run by logging in with the user code authentication. - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up. - SC637 may occur, if the machine is shut down while printing. - Sending fax from the document server using IPv4-mapped address may result in an error. - If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed. - If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires. Specification Change: - Less than 128-bit encryption methods will be prohibited.
	[For D249/D250/D251] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.

	[For D191/D193]
	Symptom corrected:
	- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
	- Machine response slows down when a trouble occurs in the HDD.
	- User information may not be displayed, if a job is run by logging in with the user code authentication.
	- Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files.
	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- Search, copy & paste of texts may not work in searchable PDF files created in Polish and Hungarian languages.
	- Characters are randomly broken onto new lines, if the following settings are configured in Scan Settings:
	  1. Vertical text in a PDF file is copied and pasted into an application.
	  2. "OCR Settings" is set to "On".
	  3. "Cognitive Language" is set to "Japanese".
	- SC637 may occur, if the machine is shut down while printing.
	- Sending fax from the document server using IPv4-mapped address may result in an error.

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Version	Modified Points or Symptom Corrected
	- An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.
	[For M281/M282/M0AH] Symptom corrected: - Cannot use applications because the Java VM does no activate. - Sending fax from the document server using IPv4-mapped address may result in an error. - If attempted to install an application from Web Image Monitor, installation may fail with an error.
12.38.04	1st Mass production for Cor-C1.5 (D284).
	[D255/D256] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - If attempted to install an application from Web Image Monitor, installation may fail with an error.
	[For D238/D239/D240/D241/D242/D243/D244] Symptom corrected: If attempted to install an application from Web Image Monitor, installation may fail with an error.
	[For D223/D224/D225] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - If attempted to install an application from Web Image Monitor, installation may fail with an error.
12.37.01	[For D208/D211/D212] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
12.36.00	[For D238/D239/D240/D241/D242/D243/D244] Symptom corrected: An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
	[For D219/D220/D214/D196/D236] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
	[For D259] Symptom corrected:

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Version	Modified Points or Symptom Corrected
	- Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
12.35.01	[For D238/D239/D240/D241/D242/D243/D244] Specification change: - Support of TLS1.1 and TLS1.2 in Java VM. - SSL3.0 and TLS1.0 in Java VM can be prohibited. - RC4 on SSL/TLS in Java VM can be prohibited. Symptom corrected: - Cannot use applications because the Java VM does no activate. - Once changed, the HTTP/HTTPS settings may never be changed again. - Sending fax from the document server using IPv4-mapped address may result in an error.
12.34.01	[For D219/D220/D214/D196/D236] Symptom corrected: - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - Once changed, the HTTP/HTTPS settings may never be changed again. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs. Other changes: - Support for the Application Site.
	[For D259] Symptom corrected: - Once changed, the HTTP/HTTPS settings may never be changed again. Other changes: - Support for the Application Site.
12.33.00	[For D262] Symptom corrected: - Document Update of ESA application may fail. - Machine may reboot without shutting down Java VM. - Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application. - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - Application may be not able to use because of not starting Java VM. - If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations. Other changes: - Support for the Application Site.

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Version	Modified Points or Symptom Corrected
	[For D255/D256] Symptom corrected: - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of Web Image Monitor. - Application may be not able to use because of not starting Java VM. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.
12.31.03	1st Mass production for MT-C6 (D223/D224/D225)
	1st Mass production for Gim-MF1.5dM (M0A0)
12.30.01	[For D249/D250/D251] Symptom corrected: - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.
12.29.02	[For D259] Symptom corrected: - If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on. - Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application. - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs. Other changes: - When the Java VM version is updated the settings are taken over. - Support for Application Site version F1.
12.28.05	[For D238/D239/D240/D241/D242/D243/D244] Symptom corrected: - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs. Other changes: - When the Java VM version is updated the settings are taken over.
12.27.03	[For D219/D220/D214/D196/D236] Other changes: Support for Application Site version F1.

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Version	Modified Points or Symptom Corrected
	Fixed: If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations. Symptom corrected: - If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on. - Document Update of ESA application may fail. - Machine may reboot without shutting down Java VM.
12.26.05	1st Mass production for Brz-P1 (M281/M282)
12.25.05	1st Mass production for Brz-MF1 (D255/D256)
12.25.05	1st Mass production for MET-C2ab (D238/D239) 1st Mass production for MET-C2cde (D240/D241/D242) 1st Mass production for MET-C2yz (D243/D244)
12.24.01	1st Mass production for Mo-C2(D262)
12.22.01	1st Mass production for Lef-C1(D259)

12.20.04	[For D219/D220/D214/D196/D236]
	Symptom corrected:
	- Printing a stored job causes its job log ID to appear as '0.'
	- Smart Operation Panel Native and Hybrid application can be installed via Web Image Monitor. This firmware is dependent on the following firmware module. Please be sure to update it:
	   - CheetahSystem Ver1.06 or later (D1961400F/D1961401F*)
	   - System/Copy Ver1.06 or later (D1965400H)
	*The Cheetah System firmware for China is different than the one for other countries. Please use the appropriate firmware depending on your region.

	[For D208/D211/D212] Symptom corrected - Auto Color Select mode can be selected, although it is not a feature available for this machine. When the user attempts to scan with this mode, scanning does not start. - SC637 may occur, if the machine is shut down while printing.
12.18.11	[For D249/D250/D251] Symptom corrected: - Machine may stall, if scanned from the contact glass with Size Setting disabled. - SC637 may occur, if the machine is shut down while printing.
	[For D219/D220/D214/D196/D236] Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - SC637 may occur, if the machine is shut down while printing.
12.17.01	Other changes: Changes were applied for the domestic (Japan) model only.
12.16.00	Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files.
12.15.03	[For M205/M238, D194/D195/D203/D204, M195/M196/M207/M208] Symptom corrected:

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Version	Modified Points or Symptom Corrected		
	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.		

	[For D219/D220/D214/D196/D236]
	Symptom corrected:
	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- Xlet application may not work when logged in after recovering from energy saving mode.
	- Search, copy & paste of texts may not work in searchable PDF files created in Polish and Hungarian languages.
	- Characters are randomly broken onto new lines, if the following settings are configured in Scan Settings:
	   1. Vertical text in a PDF file is copied and pasted into an application.
	   2. "OCR Settings" is set to "On".
	   3. "Cognitive Language" is set to "Japanese".		

12.13.04	Symptom corrected: CAP V2 is disabled if the machine switches to Energy Saver mode during the CAP V2 start-up just following power ON.		

12.12.06	1st Mass production for Be-C2Lt(D212)
	
	[For M205/M238, D194/D195/D203/D204, M195/M196/M207/M208, D208/D211/D212]
	Symptom corrected:
	- If the following is repeated, devices with CAP v2 installed will stall or behave slowly.
	  Log in to the device --> Switch to energy save mode --> Return from energy save mode
	- When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size.
	- When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size.
	- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.
	- Java VM may not start up correctly if the main power switch is turned OFF about three minutes after the "Success" banner is displayed following a successful update of the Java VM using the update tool.
	- In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed.
	   - MP W7100/W8140/W6700
	   - Pro C7100S/C7100SX
	- If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed.
	- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.		

	[For D191/D193, D249/D250/D251] Symptom corrected: - Java VM may not start up correctly if the main power switch is turned OFF about three minutes after the "Success" banner is displayed following a successful update of the Java VM using the update tool.		

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Version	Modified Points or Symptom Corrected
	- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.

12.11.04	Symptom corrected:
	- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.
	- If the following is repeated, devices with CAP v2 installed will stall or behave slowly.
	  Log in to the device --> Switch to energy save mode --> Return from energy save mode
	- When "OCR Settings" is set to "On", if the keywords in a PDF file are scanned by selecting a language other than "Japanese" in the "Cognitive Language" setting, the position of the search results might be incorrect. The OCR scanned PDF function of GlobalScan NX serverless edition corresponds this bug fix.
	- When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size.
	- When an ESA application remains in an offline state such as an ESA application accesses the device HDD or entering SP mode, if the device switches to offline mode (such as when entering UP), the device may stall.
	- When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size.
	- In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed.
	   - MP W7100/W8140/W6700
	   - Pro C7100S/C7100SX
	- If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed.
	
	Other changes:
	- Selected languages can be managed per user on devices with an ESA application installed that uses Enhanced External Charge Unit Management (e.g. Streamline NX v2.4 or later). For customers with many users that use different languages, the language displayed on the devices can be switch to each user's preferred language.

12.10.00	1st Mass production for GR-C2_SOP
12.09.07	1st Mass production for Z-P2
12.08.00	Minor bug correction
12.07.06	Symptom corrected: - Even though activation for CAP v2 (Hybrid mode) was not successful, it is displayed as successful in Remote Install Manager. - In the case that "Allow" is selected for "Print jobs without user names" in a Streamline NX AAM-E device template, jobs sent directly from the host system to a device can be printed immediately even though the jobs do not contain user information. 1st Mass production for Be-C2
12.06.01	Symptom corrected: - SC997 may occur after restarting the device when the ESA application is online-installed using Remote Install Manager and the ESA application is set as function priority.

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Version	Modified Points or Symptom Corrected
	- SC997/998 may occur when changing ESA application or transitioning/recovering energy saver mode. - When the ESA application tries to switch under a heavy load and an SC997 occurs, the application cannot switch even after the SC997 is resolved.
12.05.03	1st Mass production for Andromeda-P1 1st mass production for Leo-C1 1st mass production for Leo-P1
12.04.09	1st mass production for Cor-C1 1st mass production for Cor-C1_SOP Error Correction: – Minor bug correction – If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.
12.03.01	Other changes: – Supports remote install of Web application API. Error correction： – If logout is performed immediately after logging in, logout refusal may not be performed correctly and the login user information may not be retrieved. – If the Finisher Booklet Tray comes off, ELP-NX V2 cannot print if "Check on Print" is set as "Printer Status" in the ELP-NX Configuration Tool.
12.02.00	Symptom corrected: - SDK app cannot reconnect after connection is broken by Andriod during operation. - When using the scan function continuously on a device with Streamline NX or GS-NX is installed, a "Scanner is in use by another function" error may occur. - If ESA application is installed, HTTP communication may not be performed correctly.
12.00.19	1st Mass production for Z-C2 1st Mass production for Z-C2_SOP

Reissued: 02-Feb-17

Model: Java VM v12 Update Tool	Date: 20-Dec-13	No.: RGene088o

RTB Reissue

The items in **bold italics** have been corrected or added.

Subject: Firmware Release Note: Java VM v12 Update Tool	Prepared by: H. Morishima
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.	

Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v12 Update Tool.**

<Type>

Std: Standard VM module initially installed or shipped with a machine.

Opt: VM module (SD card) provided as a machine option.

Andromeda-P1 (M205/M238), Be-C2 (D208/D211)**,** Be-C2Lt (D212),
Brz-P1 (M281/M282), Brz-MF1 (D255/D256), CH-C2 (D257), CH-C2 Pro (D260),
Cor-C1, Cor-C1_SOP (D249/D250/D251), Cor-C1.5 (D284), Gim-MF1.5dM (M0A0),
GR-C2_SOP (D219/D220/D214/D196/D236), GR-C3 (D296/D298/D297/D299),
Lef-C1 (D259), Leo-C1 (D194/D195/D203/D204), Leo-P1 (M195/M196/M207/M208),
MD-P3d (M0AH), MET-C2ab (D238/D239), MET-C2cde (D240/D241/D242),
MET-C2yz (D243/D244), MET-P2 (M0AL, M0AJ), Mo-C2 (D262),
MT-C6 (D223/D224/D225)**,** VE-P1 (M136), Z-C2, Z-C2_SOP (D191/D193), Z-P2
(M257/M479)

Version	Model	Type	Program No.	Effective Date
12.47.01	***GR-C3***	***Std.***	***D2965779C_upd***	***December 2016 production***
	MT-C6	Std.	D2235562F_upd	January 2017 production
	Brz-MF1	Std.	D2555773E_upd	
	Cor-C1.5	Std.	D2895567D_upd	
	Lef-C1	Std.	D2055574K_upd	
	Mo-C2	Std.	D2625242F_upd	
	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579M_upd	
	CH-C2 CH-C2 Pro	Std.	D2585780G_upd	December 2016 production
	Gim-MF1.5dM	Std.	M0A05773C_upd	
12.47.01	GR-C2_SOP	Std.	D2145799J_upd	November 2016 production
12.46.01	Andromeda-P1	Std.	M2056028D_upd	January 2017 production
	Z-C2 Z-C2_SOP	Std.	D1915738H_upd	
	Cor-C1 Cor-C1_SOP	Std.	D2025567N_upd	
	Brz-P1 MD-P3d MET-P2 VE-P1	Std.	M5005752A_upd	

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	Be-C2 Be-C2Lt	Std.	D2065884F_upd	December 2016 production
12.46.01	Z-P2a Z-P2b	Std.	M4795751A_upd	December 2016 production
	Leo-C1	Std.	D1955732E_upd	January 2017 production
	Leo-P1	Std.	M1965731E_upd	
12.45.00	GR-C3	Std.	D2965779B_upd	November 2016 production
	Cor-C1.5	Std.	D2895567C_upd	
	Brz-MF1	Std.	D2555773D_upd	December 2016 production
	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579L_upd	
	CH-C2	Std.	D2585780F_upd	November 2016 production
	~~GR-C2_SOP~~	~~Std.~~	~~D2145799J_upd~~	
	MT-C6	Std.	D2235562E_upd	
	Mo-C2	Std.	D2625242E_upd	
12.44.01	Gim-MF1.5dM	Std.	M0A05773B_upd	
	CH-C2	Std.	D2585780E_upd	October 2016 production
12.43.01	Brz-P1 MD-P3d MET-P2 VE-P1	Std.	M5005752_upd	November 2016 production
12.42.01	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579K_upd	November 2016 production
12.41.04	GR-C3	Std.	D2965779A_upd	1st Mass production
12.40.00	CH-C2	Std.	D2585780D_upd	1st Mass production
	GR-C2_SOP	Std.	D2145799H_upd	September 2016 production
	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579J_upd	October 2016 production
	MT-C6	Std.	D2235562D_upd	September 2016 production
	Lef-C1	Std.	D2055574J_upd	August 2016 production
	Mo-C2	Std.	D2625242D_upd	September 2016 production
12.39.02	Z-P2a Z-P2b	Std.	M4795750A_upd	October 2016 production
	Cor-C1 Cor-C1_SOP	Std.	D2025567M_upd	
	Z-C2 Z-C2_SOP	Std.	D1915738G_upd	
	Brz-P1 MD-P3d MET-P2	Std.	M5005751B_upd	August 2016 production
12.38.04	Cor-C1.5	Std.	D2895567B_upd	1st Mass production
	Brz-MF1	Std.	D2555773C_upd	September 2016 production
	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579H_upd	September 2016 production
	MT-C6	Std.	D2235562C_upd	August 2016 production
12.37.01	Be-C2 Be-C2Lt	Std.	D2065884E_upd	August 2016 production

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12.36.00	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579G_upd	August 2016 production	
	GR-C2_SOP	Std.	D2145799G_upd	July 2016 production	
	Lef-C1	Std.	D2055574H_upd	August 2016 production	
12.35.01	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579F_upd	July 2016 production	
12.34.01	GR-C2_SOP	Std.	D2145799F_upd	June 2016 production	
	Lef-C1	Std.	D2055574G_upd	May 2016 production	
12.33.00	Mo-C2	Std.	D2625242C_upd	May 2016 production	
	Brz-MF1	Std.	D2555773B_upd	July 2016 production	
12.31.03	MT-C6	Std.	D2235562B_upd	1st Mass production	
	Gim-MF1.5dM	Std.	M0A05773A_upd	1st Mass production	
12.30.01	Cor-C1 Cor-C1_SOP	Std.	D2025567L_upd	May 2016 production	
12.29.02	Lef-C1	Std.	D2055574F_upd	April 2016 production	
12.28.05	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579E_upd	June 2016 production	
12.27.03	GR-C2_SOP	Std.	D2145799E_upd	April 2016 production	
12.26.05	Brz-P1 MD-P3d	Std.	M5005751A_upd	1st Mass production	
12.25.05	Brz-MF1	Std.	D2555773A_upd	1st Mass production	
12.25.05	MET-C2ab MET-C2cde MET-C2yz	Std.	D2415579D_upd	1st Mass production	
12.24.01	Mo-C2	Std.	D2625242B_upd	1st Mass production	
12.22.01	Lef-C1	Std.	D2055574E_upd	December 2015 production	
12.20.04	GR-C2_SOP	Std.	D2145799D_upd	February 2016 production	
	Be-C2 Be-C2Lt	Std.	D2065884D_upd	December 2015 production	
12.18.11	Cor-C1 Cor-C1_SOP	Std.	D2025567K_upd	January 2016 production	
	GR-C2_SOP	Std.	D2145799C_upd	November 2015 production	
12.17.01	Be-C2 Be-C2Lt	Std.	D2065884C_upd	September 2015 production	
12.16.00	Cor-C1 Cor-C1_SOP	Std.	D2025567J_upd	September 2015 production	
12.15.03	Andromeda-P1	Std.	M2056028C_upd	September 2015 production	
	Leo-C1	Std.	D1955732D_upd		
	Leo-P1	Std.	M1965731D_upd		
	GR-C2_SOP	Std.	D2145799B_upd		
12.13.04	Cor-C1 Cor-C1_SOP	Std.	D2025567H_upd	July 2015 production	
12.12.06	Andromeda-P1	Std.	M2056028B_upd	July 2015 production	
	Leo-C1	Std.	D1955732C_upd		
	Leo-P1	Std.	M1965731C_upd		
	Z-C2 Z-C2_SOP	Std.	D1915738F_upd	June 2015 production	
	Cor-C1 Cor-C1_SOP	Std.	D2025567G_upd	May 2015 production	

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	Be-C2	Std.	D2065884B_upd	June 2015 production
	Be-C2Lt	Std.	D2065884B_upd	1st Mass production
12.11.04	Cor-C1 Cor-C1_SOP	Std.	D2025567F_upd	April 2015 production
12.10.00	GR-C2_SOP	Std.	D2145799A_upd	1st Mass production
12.09.07	Z-P2a Z-P2b	Std.	M4795750_upd	February 2015 production
12.08.00	Z-C2 Z-C2_SOP	Std.	D1915738E_upd	December 2014 production
12.07.06	Cor-C1 Cor-C1_SOP	Std.	D2025567E_upd	January 2015 production
	Be-C2	Std.	D2065884A_upd	1st Mass production
12.06.01	Cor-C1 Cor-C1_SOP	Std.	D2025567D_upd	October 2014 production
12.05.03	Andromeda-P1	Std.	M2056028A_upd	1st Mass production
	Leo-C1	Std.	D1955732B_upd	1st Mass production
	Leo-P1	Std.	M1965731B_upd	1st Mass production
12.04.09	Cor-C1 Cor-C1_SOP	Std.	D2025567C_upd	August 2014 production
	Z-C2 Z-C2_SOP	Std.	D1915738D_upd	
12.03.01	Z-C2 Z-C2_SOP	Std.	D1915738C_upd	May 2014 production
12.02.00	Z-C2 Z-C2_SOP	Std.	D1915738B_upd	April 2014 production
12.00.19	Z-C2 Z-C2_SOP	Std.	D1915738A_upd	1st Mass production

Version	Modified Points or Symptom Corrected
12.47.01	[For D259] Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print.

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	- Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.47.01	[For ***D296/D298/D297/D299***/D223/D224/D225/D238/D239/D240/D241/D242/D243/D244/D255/D256/D257/D260/D262/D284/M0A0] ***Symptom corrected:*** - ***Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.*** - ***When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.*** - ***When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.*** - ***The DSDK application fails to connect to the LDAP server when using Kerberos authentication.***

12.47.01	[For D219/D220/D214/D196/D236]
	Symptom corrected:
	- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
	- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
	- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
	- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
	- After logging in to CAP, it may not be possible to print after an error occurs.
	- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.
	- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
	    Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
	    - Cannot log in.
	    - Cannot scan.
	    - Cannot print.
	    - Error message appears.
	    etc.

12.46.01	[For M281/M282/M0AH/M0AL/M0AJ/M136]

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Version	Modified Points or Symptom Corrected
	Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For D208/D211/D212/D191/D193] Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For D249/D250/D251] Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.

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Version	Modified Points or Symptom Corrected
	- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For M205/M238] Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - SC637 may occur, if the machine is shut down while printing. - Sending fax from the document server using IPv4-mapped address may result in an error. - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For M257/M479] Symptom corrected: - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.

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Version	Modified Points or Symptom Corrected
	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12.46.01	[For 194/D195/D203/D204] Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - SC637 may occur, if the machine is shut down while printing. - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions. - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc. - When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur. - The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

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12.46.01	[For M195/M196/M207/M208]
	Symptom corrected:
	- Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files.
	- SC637 may occur, if the machine is shut down while printing.
	- Sending fax from the document server using IPv4-mapped address may result in an error.
	- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.
	- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
	- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
	- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
	  Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
	  - Cannot log in.
	  - Cannot scan.
	  - Cannot print.
	  - Error message appears.
	  etc.
	- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
	- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

12.45.00	[D296/D298/D297/D299]
	Symptom corrected:
	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
	- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
	- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
	  Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
	  - Cannot log in.
	  - Cannot scan.
	  - Cannot print.
	  - Error message appears.
	  etc.
	
	[For D284]
	Symptom corrected:
	- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.

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Version	Modified Points or Symptom Corrected
	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
12.45.00	[For D255/D256] Symptom Corrected: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
	[For D257] Symptom corrected: Minor bug correction.
	[For D238/D239/D240/D241/D242/D243/D244] Symptom corrected: - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
	[For ~~D219/D220/D214/D196/D236~~/D262/D223/D224/D225] Symptom corrected: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.

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Version	Modified Points or Symptom Corrected

	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
	- After logging in to CAP, it may not be possible to print after an error occurs.
	- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
	Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
	  - Cannot log in.
	  - Cannot scan.
	  - Cannot print.
	  - Error message appears.
	  etc.

12.44.01	[For M0A0]
	Symptom corrected:
	- Sending fax from the document server using IPv4-mapped address may result in an error.
	- An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
	- If attempted to install an application from Web Image Monitor, installation may fail with an error.
	- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
	- After logging in to CAP, it may not be possible to print after an error occurs.
	- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
	Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
	  - Cannot log in.
	  - Cannot scan.
	  - Cannot print.
	  - Error message appears.
	  etc.

	[For D257]
	Symptom corrected:
	- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
	- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
	- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
	Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
	  - Cannot log in.
	  - Cannot scan.
	  - Cannot print.
	  - Error message appears.
	  etc.

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Version	Modified Points or Symptom Corrected
12.43.01	- [For M281/M282/M0AH/M0AL/M0AJ/M136] - Symptom corrected: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system. - When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail. - SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.) Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues. - Cannot log in. - Cannot scan. - Cannot print. - Error message appears. etc.
12.42.01	[For D238/D239/D240/D241/D242/D243/D244] Fixed: - If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly. - After logging in to CAP, it may not be possible to print after an error occurs. - After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
12.41.04	[For D296/D298/D297/D299] 1st Mass production for GR-C3 (D296/D298/D297/D299)
12.40.00	[For D257] 1st Mass production for CH-C2 (D257)
	[For D219/D220/D214/D196/D236] Minor bug correction.
	[For D238/D239/D240/D241/D242/D243/D244/D223/D224/D225/D259] Minor bug correction.
	[For D262] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - If attempted to install an application from Web Image Monitor, installation may fail with an error.
12.39.02	1st Mass production for MET-P2 (M0AL, M0AJ)
	[For M257/M479] Symptom corrected: - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. - Java VM may not start up correctly if the main power switch is turned OFF about three minutes after the "Success" banner is displayed following a successful update of the Java VM using the update tool. - CAP V2 is disabled if the machine switches to Energy Saver mode during the CAP V2 start-up just following power ON.

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Version	Modified Points or Symptom Corrected
	- Machine response slows down when a trouble occurs in the HDD. - User information may not be displayed, if a job is run by logging in with the user code authentication. - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up. - SC637 may occur, if the machine is shut down while printing. - Sending fax from the document server using IPv4-mapped address may result in an error. - If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed. - If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires. Specification Change: - Less than 128-bit encryption methods will be prohibited.
	[For D249/D250/D251] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.

	[For D191/D193]
	Symptom corrected:
	- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
	- Machine response slows down when a trouble occurs in the HDD.
	- User information may not be displayed, if a job is run by logging in with the user code authentication.
	- Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files.
	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- Search, copy & paste of texts may not work in searchable PDF files created in Polish and Hungarian languages.
	- Characters are randomly broken onto new lines, if the following settings are configured in Scan Settings:
	  1. Vertical text in a PDF file is copied and pasted into an application.
	  2. "OCR Settings" is set to "On".
	  3. "Cognitive Language" is set to "Japanese".
	- SC637 may occur, if the machine is shut down while printing.
	- Sending fax from the document server using IPv4-mapped address may result in an error.
	- An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
	- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.

	[For M281/M282/M0AH]

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Version	Modified Points or Symptom Corrected
	Symptom corrected: - Cannot use applications because the Java VM does no activate. - Sending fax from the document server using IPv4-mapped address may result in an error. - If attempted to install an application from Web Image Monitor, installation may fail with an error.
12.38.04	1st Mass production for Cor-C1.5 (D284).
	[D255/D256] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - If attempted to install an application from Web Image Monitor, installation may fail with an error.
	[For D238/D239/D240/D241/D242/D243/D244] Symptom corrected: If attempted to install an application from Web Image Monitor, installation may fail with an error.
	[For D223/D224/D225] Specification change: - Support of TLS1.1 and TLS1.2 in Java VM. - SSL3.0 and TLS1.0 in Java VM can be prohibited. - RC4 on SSL/TLS in Java VM can be prohibited. Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation. - If attempted to install an application from Web Image Monitor, installation may fail with an error.
12.37.01	[For D208/D211/D212] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
12.36.00	[For D238/D239/D240/D241/D242/D243/D244] Symptom corrected: An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
	[For D219/D220/D214/D196/D236] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error. - An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
	[For D259] Symptom corrected: - Sending fax from the document server using IPv4-mapped address may result in an error.

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Version	Modified Points or Symptom Corrected			
	- An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.			
12.35.01	[For D238/D239/D240/D241/D242/D243/D244] Specification change: - Support of TLS1.1 and TLS1.2 in Java VM. - SSL3.0 and TLS1.0 in Java VM can be prohibited. - RC4 on SSL/TLS in Java VM can be prohibited. Symptom corrected: - Cannot use applications because the Java VM does no activate. - Once changed, the HTTP/HTTPS settings may never be changed again. - Sending fax from the document server using IPv4-mapped address may result in an error.			
12.34.01	[For D219/D220/D214/D196/D236] Symptom corrected: - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - Once changed, the HTTP/HTTPS settings may never be changed again. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs. Other changes: - Support for the Application Site.			
	[For D259] Symptom corrected: - Once changed, the HTTP/HTTPS settings may never be changed again. Other changes: - Support for the Application Site.			
12.33.00	[For D262] Symptom corrected: - Document Update of ESA application may fail. - Machine may reboot without shutting down Java VM. - Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application. - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - Application may be not able to use because of not starting Java VM. - If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations. Other changes: - Support for the Application Site.			
	[For D255/D256] Symptom corrected:			

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Version	Modified Points or Symptom Corrected
	- Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - Application may be not able to use because of not starting Java VM. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.
12.31.03	1st Mass production for MT-C6 (D223/D224/D225)
	1st Mass production for Gim-MF1.5dM (M0A0)
12.30.01	[For D249/D250/D251] Symptom corrected: - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs. - If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations.
12.29.02	[For D259] Symptom corrected: - If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on. - Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application. - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs. Other changes: - When the Java VM version is updated the settings are taken over. - Support for Application Site version F1.
12.28.05	[For D238/D239/D240/D241/D242/D243/D244] Symptom corrected: - Error may occur, if ESA application is uninstalled with the extended features of WIM. - Pre-installed application can be falsely uninstalled with the extended features of WIM. - If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on. - ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs. Other changes: - When the Java VM version is updated the settings are taken over.
12.27.03	[For D219/D220/D214/D196/D236] Other changes:

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Version	Modified Points or Symptom Corrected
	– Support for Application Site version F1. – When the Java VM version is updated the settings are taken over. Fixed: If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations. Symptom corrected: – If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on. – Document Update of ESA application may fail. – Machine may reboot without shutting down Java VM.
12.26.05	1st Mass production for Brz-P1 (M281/M282)
12.25.05	1st Mass production for Brz-MF1 (D255/D256)
12.25.05	1st Mass production for MET-C2ab (D238/D239) 1st Mass production for MET-C2cde (D240/D241/D242) 1st Mass production for MET-C2yz (D243/D244)
12.24.01	1st Mass production for Mo-C2(D262)
12.22.01	1st Mass production for Lef-C1(D259)

12.20.04	[For D219/D220/D214/D196/D236]
	Symptom corrected:
	- Printing a stored job causes its job log ID to appear as '0.'
	- Smart Operation Panel Native and Hybrid application can be installed via Web Image Monitor. This firmware is dependent on the following firmware module. Please be sure to update it:
	  - CheetahSystem Ver1.06 or later (D1961400F/D1961401F*)
	  - System/Copy Ver1.06 or later (D1965400H)
	*The Cheetah System firmware for China is different than the one for other countries. Please use the appropriate firmware depending on your region.

	[For D208/D211/D212] Symptom corrected: - Auto Color Select mode can be selected, although it is not a feature available for this machine. When the user attempts to scan with this mode, scanning does not start. - SC637 may occur, if the machine is shut down while printing.
12.18.11	[For D249/D250/D251] Symptom corrected: - Machine may stall, if scanned from the contact glass with Size Setting disabled. - SC637 may occur, if the machine is shut down while printing.
	[For D219/D220/D214/D196/D236] Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files. - SC637 may occur, if the machine is shut down while printing.
12.17.01	Other changes: Changes were applied for the domestic (Japan) model only.
12.16.00	Symptom corrected: - Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files.
12.15.03	[For M205/M238, D194/D195/D203/D204, M195/M196/M207/M208]

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Version	Modified Points or Symptom Corrected
	Symptom corrected: If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	[For D219/D220/D214/D196/D236] Symptom corrected: - If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up. - Xlet application may not work when logged in after recovering from energy saving mode. - Search, copy & paste of texts may not work in searchable PDF files created in Polish and Hungarian languages. - Characters are randomly broken onto new lines, if the following settings are configured in Scan Settings: 1 Vertical text in a PDF file is copied and pasted into an application. 2. "OCR Settings" is set to "On". 3. "Cognitive Language" is set to "Japanese".
12.13.04	Symptom corrected: CAP V2 is disabled if the machine switches to Energy Saver mode during the CAP V2 start-up just following power ON.

12.12.06	1st Mass production for Be-C2Lt(D212)
	
	[For M205/M238, D194/D195/D203/D204, M195/M196/M207/M208, D208/D211/D212]
	Symptom corrected:
	- If the following is repeated, devices with CAP v2 installed will stall or behave slowly.
	  Log in to the device --> Switch to energy save mode --> Return from energy save mode
	- When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size.
	- When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size.
	- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.
	- Java VM may not start up correctly if the main power switch is turned OFF about three minutes after the "Success" banner is displayed following a successful update of the Java VM using the update tool.
	- In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed.
	  - MP W7100/W8140/W6700
	  - Pro C7100S/C7100SX
	- If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed.
	- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.

	[For D191/D193, D249/D250/D251] Symptom corrected: - Java VM may not start up correctly if the main power switch is turned OFF about three minutes after the "Success" banner is displayed following a successful update of the Java VM using the update tool.

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Version	Modified Points or Symptom Corrected
	− If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.

12.11.04	Symptom corrected:
	 − The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.
	 − If the following is repeated, devices with CAP v2 installed will stall or behave slowly.
	    Log in to the device --> Switch to energy save mode --> Return from energy save mode
	 − When "OCR Settings" is set to "On", if the keywords in a PDF file are scanned by selecting a language other than "Japanese" in the "Cognitive Language" setting, the position of the search results might be incorrect. The OCR scanned PDF function of GlobalScan NX serverless edition corresponds this bug fix.
	 − When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size.
	 − When an ESA application remains in an offline state such as an ESA application accesses the device HDD or entering SP mode, if the device switches to offline mode (such as when entering UP), the device may stall.
	 − When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size.
	 − In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed.
	     - MP W7100/W8140/W6700
	     - Pro C7100S/C7100SX
	 − If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed.
	 Other changes:
	 − Selected languages can be managed per user on devices with an ESA application installed that uses Enhanced External Charge Unit Management (e.g. Streamline NX v2.4 or later). For customers with many users that use different languages, the language displayed on the devices can be switch to each user's preferred language.

12.10.00	1st Mass production for GR-C2_SOP
12.09.07	1st Mass production for Z-P2
12.08.00	Minor bug correction

12.07.06	Symptom corrected:
	 − Even though activation for CAP v2 (Hybrid mode) was not successful, it is displayed as successful in Remote Install Manager.
	 − In the case that "Allow" is selected for "Print jobs without user names" in a Streamline NX AAM-E device template, jobs sent directly from the host system to a device can be printed immediately even though the jobs do not contain user information.
	     -- -- --
	    1st Mass production for Be-C2

12.06.01	Symptom corrected − SC997 may occur after restarting the device when the ESA application is online-installed using Remote Install Manager and the ESA application is set as function priority.

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Model: Java VM v12 Update Tool	Date: 20-Dec-13	No.: RGene088o

Version	Modified Points or Symptom Corrected
	– SC997/998 may occur when changing ESA application or transitioning/recovering energy saver mode. – When the ESA application tries to switch under a heavy load and an SC997 occurs, the application cannot switch even after the SC997 is resolved.
12.05.03	1st Mass production for Andromeda-P1 1st Mass production for Leo-C1 1st Mass production for Leo-P1
12.04.09	1st mass production for Cor-C1 1st mass production for Cor-C1_SOP Error Correction: – Minor bug correction – If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.
12.03.01	Other changes: – Supports remote install of Web application API . Error correction: – If logout is performed immediately after logging in, logout refusal may not be performed correctly and the login user information may not be retrieved. – If the Finisher Booklet Tray comes off, ELP-NX V2 cannot print if "Check on Print" is set as "Printer Status" in the ELP-NX Configuration Tool.
12.02.00	Symptom corrected: – SDK app cannot reconnect after connection is broken by Andriod during operation. – When using the scan function continuously on a device with Streamline NX or GS-NX is installed, a "Scanner is in use by another function" error may occur. – If ESA application is installed, HTTP communication may not be performed correctly.
12.00.19	1st Mass production for Z-C2 1st Mass production for Z-C2_SOP