RICOH

Technical Bulletin

Reissued: 20-Dec-16

Model: Java VM v11 for eDC	Date: 15-Apr-13	No.: RGene079p

RTB Reissue

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

Subject: Firmware Release Note: Java VM v11 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	☒ Other (Firmware)	☒ Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v11 for eDC.**

This module is for Remote Install Manager and updating Java VM. Please apply the Program No. corresponding to each model for eDC update.

<Type>
Std: Standard VM module initially installed or shipped with a machine.
Opt: VM module (SD card) provided as a machine option.

BR-C1 (D726), BR-P1 (M263/M264), BR-C2 (D270/D271/D272), BR-P2 (M0AA/M0AB),
CH-C1 (D135, D136), CH-C1 Pro (D137, D138), Da-P1d (M187),
Gim-P1c/Gim-P1d (M158, M159), Gim-MF1d (M160),
MET-C1ab/MET-C1ab_SOP (D146, D147),
MET-C1cde/MET-C1cde_SOP (D148, D149, D150),
MET-C1xyz/MET-C1xyz_SOP (D176, D177),
OR-C2/OR-C2_SOP (D182), Ti-P1 (M109)

Version	Model	Type	Program No.	Effective Date
11.37.00	**MET-C1ab** **MET-C1yz** **MET-C1ab_SOP** **MET-C1yz_SOP**	**Std.**	**D1475564A_edc**	**January 2017 production**
	MET-C1cde **MET-C1cde_SOP**	**Std.**	**D1475565A_edc**	
	CH-C1,CH-C1Pro	**Std.**	**D1365780M_edc**	
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d/ Da-P1d	Opt.	M1095283A_edc	December 2016 production
	BR-P2	Std.	M0AA5797D_edc	
	BR-C2	Std.	D2705759D_edc	
	OR-C2 OR-C2_SOP	Std.	D1825566T_edc	
	BR-P1	Std.	M2635782E_edc	November 2016 production
	BR-C1	Std.	D7265750M_edc	
11.35.01	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1/ Da-P1d	Opt.	M1095282K_edc	October 2016 production
	BR-P2	Std.	M0AA5797B_edc	1st Mass production
	BR-C2	Std.	D2705759B_edc	1st Mass production

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11.34.00	MET-C1ab MET-C1yz MET-C1ab_SOP MET-C1yz_SOP	Std.	D1475564_edc	October 2016 production
	MET-C1cde MET-C1cde_SOP	Std.	D1475565_edc	
11.33.02	BR-P1	Std.	M2635782D_edc	August 2016 production
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1/ Da-P1d	Opt.	M1095282J_edc	August 2016 production
	BR-C1	Std.	D7265750L_edc	July 2016 production
11.32.04	CH-C1,CH-C1Pro	Std.	D1365780L_edc	May 2016 production
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d Da-P1d	Opt.	M1095282H_edc	June 2016 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579W_edc	May 2016 production
	MET-C1ab_SOP	Std.	D1465579W_edc	
	MET-C1cde	Std.	D1495579V_edc	
	MET-C1cde_SOP	Std.	D1485579W_edc	
11.31.00	OR-C2 OR-C2_SOP	Std.	D1825566R_edc	February 2016 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579V_edc	January 2016 production
	MET-C1ab_SOP	Std.	D1465579V_edc	
	MET-C1cde	Std.	D1495579T_edc	
	MET-C1cde_SOP	Std.	D1485579V_edc	
11.30.02	BR-P1	Std.	M2635782C_edc	December 2015 production
	BR-C1	Std.	D7265750K_edc	
	CH-C1,CH-C1Pro	Std.	D1365780K_edc	November 2015 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579T_edc	
	MET-C1ab_SOP	Std.	D1465579T_edc	
	MET-C1cde	Std.	D1495579S_edc	
	MET-C1cde_SOP	Std.	D1485579T_edc	
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d Da-P1d	Opt.	M1095282G_edc	September 2015 production
11.29.02	BR-P1	Std.	M2635782B_edc	June 2015 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579S_edc	
	MET-C1ab_SOP	Std.	D1465579S_edc	
	MET-C1cde	Std.	D1495579R_edc	
	MET-C1cde_SOP	Std.	D1485579S_edc	
	OR-C2 OR-C2_SOP	Std.	D1825566Q_edc	May 2015 production
	BR-C1	Std.	D7265750J_edc	
11.28.03	MET-C1ab	Std.	D1475579R_edc	May 2015 production

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	MET-C1yz MET-C1yz_SOP			
	MET-C1ab_SOP	*Std.*	*D1465579R_edc*	
	MET-C1cde	*Std.*	*D1495579Q_edc*	
	MET-C1cde_SOP	Std.	D1485579R_edc	
	CH-C1,CH-C1Pro	Std.	D1365780J_edc	March 2015 production
	OR-C2 OR-C2_SOP	Std.	D1825566P_edc	April 2015 production
11.27.00	BR-C1	Std.	D7265750H_edc	April 2015 production
	BR-P1	Std.	M2635782A_edc	1st Mass production
11.26.04	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579Q_edc	April 2015 production
	MET-C1ab_SOP	Std.	D1465579Q_edc	
	MET-C1cde	Std.	D1495579P_edc	
	MET-C1cde_SOP	Std.	D1485579Q_edc	
	CH-C1,CH-C1Pro	Std.	D1365780H_edc	January 2015 production
	OR-C2 OR-C2_SOP	Std.	D1825566N_edc	
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d Da-P1d	Opt.	M1095282F_edc	
11.25.04	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579P_edc	December 2014 production
	MET-C1ab_SOP	Std.	D1465579P_edc	
	MET-C1cde	Std.	D1495579N_edc	
	MET-C1cde_SOP	Std.	D1485579P_edc	
	CH-C1,CH-C1Pro	Std.	D1365780G_edc	
11.24.02	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579N_edc	October 2014 production
	MET-C1ab_SOP	Std.	D1465579N_edc	
	MET-C1cde	Std.	D1495579M_edc	
	MET-C1cde_SOP	Std.	D1485579N_edc	
	OR-C2 OR-C2_SOP	Std.	D1825566M_edc	
11.23.00	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579M_edc	October 2014 production
	MET-C1ab_SOP	Std.	D1465579M_edc	
	MET-C1cde	Std.	D1495579L_edc	
	MET-C1cde_SOP	Std.	D1485579M_edc	
	CH-C1,CH-C1Pro	Std.	D1365780F_edc	September 2014 production
	OR-C2 OR-C2_SOP	Std.	D1825566L_edc	
11.22.04	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579L_edc	August 2014 production
	MET-C1ab_SOP	Std.	D1465579L_edc	
	MET-C1cde	Std.	D1495579K_edc	
	MET-C1cde_SOP	Std.	D1485579L_edc	

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11.21.00	BR-C1	Std.	D7265750G_edc	May 2014 production
	CH-C1,CH-C1Pro	Std.	D1365780E_edc	
	OR-C2 OR-C2_SOP	Std.	D1825566K_edc	
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579K_edc	June 2014 production
	MET-C1ab_SOP	Std.	D1465579K_edc	
	MET-C1cde	Std.	D1495579J_edc	
	MET-C1cde_SOP	Std.	D1485579K_edc	
11.20.00	BR-C1	Std.	D7265750F_edc	May 2014 production
11.19.03	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579J_edc	May 2014 production
	MET-C1ab_SOP	Std.	D1465579J_edc	
	MET-C1cde_SOP	Std.	D1485579J_edc	
	OR-C2 OR-C2_SOP	Std.	D1825566J_edc	
11.18.01	OR-C2, OR-C2_SOP	Std.	D1825566H_edc	March 2014 production
11.17.01	Ti-P1 Gim-P1c/Gim-P1d Gim-MF1d	Opt.	M1095282E_edc	April 2014 production
11.16.00	OR-C2, OR-C2_SOP	Std.	D1825566G_edc	January 2014 production
	MET-C1cde	Std.	D1495579H_edc	
	MET-C1ab_SOP	Std.	D1465579H_edc	
	MET-C1ab MET-C1 xyz MET-C1 xyz_SOP	Std.	D1475579H_edc	
	MET-C1cde_SOP	Std.	D1485579H_edc	
	Ti-P1	Opt.	M1095282D_edc	
11.15.01	BR-C1	Std.	D7265750E_edc	December 2013 production
	OR-C2, OR-C2_SOP	Std.	D1825566F_edc	
	MET-C1ab_SOP	Std.	D1465579G_edc	
	MET-C1ab MET-C1 xyz MET-C1 xyz_SOP	Std.	D1475579G_edc	
	MET-C1cde_SOP	Std.	D1485579G_edc	
	CH-C1,CH-C1Pro	Std.	D1365780D_edc	
11.14.02	MET-C1cde	Std.	D1495579G_edc	December 2013 production
	OR-C2, OR-C2_SOP	Std.	D1825566E_edc	
	CH-C1,CH-C1Pro	Std.	D1365780C_edc	November 2013 production
	BR-C1	Std.	D7265750D_edc	
11.13.01	BR-C1	Std.	D7265750C_edc	October 2013 production
	OR-C2	Std.	D1825566D_edc	
	MET-C1ab_SOP	Std.	D1465579F_edc	
	MET-C1ab	Std.	D1475579F_edc	
	MET-C1cde_SOP	Std.	D1485579F_edc	
	MET-C1cde	Std.	D1495579F_edc	
	CH-C1,CH-C1Pro	Std.	D1365780B_edc	

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11.12.01	OR-C2	Std.	D1825566C_edc	September 2013 production	
	MET-C1ab_SOP	Std.	D1465579E_edc		
	MET-C1ab	Std.	D1475579E_edc		
	MET-C1cde_SOP	Std.	D1485579E_edc		
	MET-C1cde	Std.	D1495579E_edc		
11.11.01	BR-C1	Std.	D7265750B_edc	1st Mass production	
11.10.02	OR-C2	Std.	D1825566B_edc	August 2013 production	
	MET-C1ab_SOP	Std.	D1465579D_edc		
	MET-C1ab	Std.	D1475579D_edc		
	MET-C1cde_SOP	Std.	D1485579D_edc		
	MET-C1cde	Std.	D1495579D_edc		
	CH-C1,CH-C1Pro	Std.	D1365780B_ RPQ059V11-01	-	
11.09.04	MET-C1ab_SOP	Std.	D1465579C_edc	1st Mass production	
	MET-C1cde_SOP	Std.	D1485579C_edc	1st Mass production	
11.07.00	OR-C2	Std.	D1825566A_edc	1st Mass production	
11.05.04	Ti-P1	Opt.	M1095282C_edc	July 2013 production	
11.03.05	MET-C1ab	Std.	D1475579C_edc	1st Mass production	
11.02.04	MET-C1cde	Std.	D1495579C_edc	1st Mass production	
	CH-C1,CH-C1Pro	Std.	D1365780A_edc	1st Mass production	
	Ti-P1	Opt.	M1095282B_edc	Pre-release	

Version	Modified Points or Symptom Corrected
11.37.00	*[For D146/D147/D148/D149/D150/D176/D177]* *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.*

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	[For D135, D136, D137, D138] ***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.*** - ***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.*** ***- 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.***
	[For M109/M158/M159/M160/M187/D182/D270/D271/D272/M0AA/M0AB] 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.
	[For D726/M263/M264] 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.

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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. - 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.
11.35.01	[For M109, M158, M159, M160, M187] 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.
	[For M0AA/M0AB] 1st mass production for BR-P2 [For D270/D271/D272] 1st mass production for BR-C2
11.34.00	[For D146/D147/D148/D149/D150/D176/D177] 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.
11.33.02	[For M263/M264] Symptom corrected: - 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 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.
	[For M109, M158, M159, M160, M187] 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 D726] Symptom corrected:

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	- 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.
11.32.04	[For D135, D136, D137, D138] 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. - 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 M109/M158/M159/M160/M187] 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. - 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
	[For D146, D147, D148, D149, D150, D176, D177] 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.
11.31.00	[For D182] Symptom corrected: - Less than 128-bit encryption methods will be prohibited. - Machine may stall, if scanned from the contact glass with Size Setting disabled. - SC637 may occur, if the machine is shut down while printing. - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up. - User information may not be displayed, if a job is run by logging in with the user code authentication. - Machine response slows down when a trouble occurs in the HDD. - 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".

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	[For D146, D147, D148, D149, D150, D176, D177] 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.

11.30.02	[For D135, D136, D137, D138]
	Symptom corrected:
	- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- User information may not be displayed, if a job is run by logging in with the user code authentication.
	- Machine response slows down when a trouble occurs in the HDD.
	- 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".
	- Less than 128-bit encryption methods will be prohibited.

	[For D726, M263, M264] Symptom corrected: - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up. - User information may not be displayed, if a job is run by logging in with the user code authentication. - Machine response slows down when a trouble occurs in the HDD. - Less than 128-bit encryption methods will be prohibited.

	[For D146, D147, D148, D149, D150, D176, D177]
	Symptom corrected:
	- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- User information may not be displayed, if a job is run by logging in with the user code authentication.
	- Machine response slows down when a trouble occurs in the HDD.
	- 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".

	[For M109, M158, M159, M160, M187] Symptom corrected: - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.

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	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- User information may not be displayed, if a job is run by logging in with the user code authentication.
	- Machine response slows down when a trouble occurs in the HDD.
	- 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".
	- Less than 128-bit encryption methods will be prohibited.

11.29.02	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. - 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.
11.28.03	Symptom corrected: – 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. – In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed. - MP C6502/C8002
11.27.00	Symptom corrected: The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. ------------ 1st mass production for BR-P1
11.26.04	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 "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. ------------

Model: Java VM v11 for eDC	Date: 15-Apr-13	No.: RGene079p

Version	Modified Points or Symptom Corrected
	1st mass production for Da-P1d
11.25.04	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. - Less than 128-bit encryption methods will be prohibited.
11.24.02	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.
11.23.00	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.
11.22.04	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.
11.21.00	Error correction: - Supported IC card reader/writer (PR-700UDM).
11.20.00	Symptom corrected: - 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.
11.19.03	Symptom corrected: - SDK app cannot reconnect after connection is broken by Andriod during operation. - Logout refusal does not function correctly and the user login information cannot be retrieved if the user tries to log out immediately after logging in. - If logout is performed immediately after logging in, logout refusal may not be performed correctly and the login user information may not be retrieved. Other changes: - Supports remote installation of APIs for Web applications.
11.18.01	Symptom corrected: - Minor bug correction
11.17.01	- 1st mass production for Gim-P1c/Gim-P1d/Gim-MF1d Error correction - Supported IC card writer (PR-700UDM).
11.16.00	Fixed: - If the scan function is used on a device with Streamline NX, GlobalScan NX, or RICOH Scan CX installed, the job log is not registered correctly. - If ESA application is installed, HTTP communication may not be performed correctly. - Depending on a Device Java VM internal file, the device results in SC990 when it is continuously used.(for Ti-P1)
11.15.01	Fixed: - 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.
11.14.02	Fixed:

Model: Java VM v11 for eDC	Date: 15-Apr-13	No.: RGene079p

Version	Modified Points or Symptom Corrected
	- If CAP v2 or Streamline NX is used, card login may not be perfomed. - Application switching might not be perfomed when Steamline NX or 3rd vendor application switches the normal application on the operation panel. - USB device ESA applications use cannot be used because vender ID and product ID are not correctly registered on the device. - When the device receives a lot of data, the device may freeze. - As for Streamline NX, the login screen immediately after an application change is not displayed. - ELP-NX V2 does not accept the print job, even if a error code which allows printing to continue is notified. - When switching a language on the initial setting screen, if the initial setting screen is closed immediately, the display does not switch the language in the ESA application. - When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.
11.13.01	Symptom Corrected: SC990 occurs when machine is powered on, and it cannot be recovered by the machine reboot.

11.12.01	Fixed:
	- SC899 may occur when a device recovers from STR mode.
	  Important: To apply the change, you also need to install the System/Copy firmware version as shown below.
	  V2.22 or later. (D146)
	  V1.16 or later. (D147)
	  V2.22 or later. (D148)
	  V1.10 or later. (D149)
	  V1.02 or later. (D182)
	
	- ESA application screen may be displayed when visible/not visible settings for ESA counter screen is changed 5 or more times.
	- Coin charge request may not be displayed on ESA application screen even no charge remains in a coin rack.

11.11.01	1st mass production for BR-C1
11.10.02	Fixed: - A Java VM internal process causes a change to the device's configured sleep timing. - ELP-NX v2 cannot be installed to MET-C1/CH-C1 via eDC-i. - 4 line LCD devices do not enter Energy Saver Mode after specific operations.
11.09.04	- 1st mass production for Met-C1 smart operation panel Fixed: - Even if a Java VM remote update has been successful, the device may display a banner message saying "SDK/J update done FAIL" incorrectly.
11.07.00	- 1st mass production for OR-C2 Fixed: - An unexpected screen may appear when a device with 9 or more ESA applications installed recovers from energy saver mode. - An ESA application may stop during a scan with PDF creation if a paper jam occurs during the 1st page of the input document. - ESA application installation and uninstallation may take longer than expected in specific conditions.

Model: Java VM v11 for eDC		Date: 15-Apr-13	No.: RGene079p

Version	Modified Points or Symptom Corrected
	- The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode. - SDK/J summary may not be printed out when 13 or more ESA applications are installed. - When a device failed to reboot after receiving a reboot request from a device management application, installed ESA applications would not restart automatically and remained in "Stopped" status. - Java VM might not start properly when the device is started. - RuntimeException rarely occurs when a device with multiple ESA applications installed recovers from energy saver mode. - SC899 very rarely occurs when a device is started. - SC899 may occur when a device with a FAX function recovers from energy saver mode. - SC998 very rarely occurs when a device recovers from energy saver mode. - The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed.
11.05.04	Fixed: - SC899 very rarely occurs when a device is started. - SC998 very rarely occurs when a device recovers from energy saver mode while ESA applications are set as function priority. - The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed. - The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode. - SDK/J summary may not be printed out when 13 or more ESA applications are installed. - 4 line LCD devices do not enter Energy Saver Mode after specific operations. - SC899 may occur when a device with a FAX function recovers from energy saver mode.
11.03.05	1st Mass production for MET-C1ab
11.02.04	1st Mass production for MET-C1cde 1st Mass production for Ch-C1 Pre-release for Ti-P1

Reissued: 20-Dec-16

Model: Java VM v11 Update Tool	Date: 15-Apr-13	No.: RGene080o

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

Subject: Firmware Release Note: Java VM v11 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 v11 Update Tool.**
<Type>
Std: Standard VM module initially installed or shipped with a machine.
Opt: VM module (SD card) provided as a machine option.

BR-C1 (D726), BR-P1 (M263/M264), BR-C2 (D270/D271/D272), BR-P2 (M0AA/M0AB),
CH-C1 (D135, D136), CH-C1 Pro (D137, D138), Da-P1d (M187),
Gim-P1c/Gim-P1d (M158, M159), Gim-MF1d (M160),
MET-C1ab/MET-C1ab_SOP (D146, D147),
MET-C1cde/MET-C1cde_SOP (D148, D149, D150),
MET-C1xyz/MET-C1xyz_SOP (D176, D177),
OR-C2/OR-C2_SOP (D182), Ti-P1 (M109)

Version	Model	Type	Program No.	Effective Date
11.37.00	*MET-C1ab* *MET-C1yz* *MET-C1ab_SOP* *MET-C1yz_SOP*	*Std.*	*D1475564A_upd*	*January 2017 production*
	MET-C1cde *MET-C1cde_SOP*	*Std.*	*D1475565A_upd*	
	CH-C1,CH-C1Pro	*Std.*	*D1365780M_upd*	
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d/ Da-P1d	Opt.	M1095283A_upd	December 2016 production
	BR-P2	Std.	M0AA5797D_upd	
	BR-C2	Std.	D2705759D_upd	
	OR-C2 OR-C2_SOP	Std.	D1825566T_upd	
	BR-P1	Std.	M2635782E_upd	November 2016 production
	BR-C1	Std.	D7265750M_upd	
11.35.01	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d/ Da-P1d	Opt.	M1095282K_upd	October 2016 production
	BR-P2	Std.	M0AA5797B_upd	1st Mass production
	BR-C2	Std.	D2705759B_upd	1st Mass production
11.34.00	MET-C1ab MET-C1yz	Std.	D1475564_upd	October 2016 production

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	MET-C1ab_SOP MET-C1yz_SOP			
	MET-C1cde MET-C1cde_SOP	Std.	D1475565_upd	
11.33.02	BR-P1	Std.	M2635782D_upd	August 2016 production
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d/ Da-P1d	Opt.	M1095282J_upd	August 2016 production
	BR-C1	Std.	D7265750L_upd	July 2016 production
11.32.04	CH-C1,CH-C1Pro	Std.	D1365780L_upd	May 2016 production
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d/ Da-P1d	Opt.	M1095282H_upd	June 2016 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579W_upd	May 2016 production
	MET-C1ab_SOP	Std.	D1465579W_upd	
	MET-C1cde_SOP	Std.	D1485579W_upd	
	MET-C1cde	Std.	D1495579V_upd	
11.31.00	OR-C2 OR-C2_SOP	Std.	D1825566R_upd	February 2016 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579V_upd	January 2016 production
	MET-C1ab_SOP	Std.	D1465579V_upd	
	MET-C1cde_SOP	Std.	D1485579V_upd	
	MET-C1cde	Std.	D1495579T_upd	
11.30.02	BR-P1	Std.	M2635782C_upd	December 2015 production
	BR-C1	Std.	D7265750K_upd	
	CH-C1,CH-C1Pro	Std.	D1365780K_upd	November 2015 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579T_upd	
	MET-C1ab_SOP	Std.	D1465579T_upd	
	MET-C1cde_SOP	Std.	D1485579T_upd	
	MET-C1cde	Std.	D1495579S_upd	
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d/ Da-P1d	Opt.	M1095282G_upd	September 2015 production
11.29.02	BR-P1	Std.	M2635782B_upd	June 2015 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579S_upd	
	MET-C1ab_SOP	Std.	D1465579S_upd	
	MET-C1cde_SOP	Std.	D1485579S_upd	
	MET-C1cde	Std.	D1495579R_upd	
	OR-C2 OR-C2_SOP	Std.	D1825566Q_upd	May 2015 production
	BR-C1	Std.	D7265750J_upd	
11.28.03	MET-C1ab	Std.	D1475579R_upd	May 2015 production

Reissued: 20-Dec-16

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	MET-C1yz MET-C1yz_SOP			
	MET-C1ab_SOP	Std.	D1465579R_upd	
	MET-C1cde_SOP	Std.	D1485579R_upd	
	MET-C1cde	Std.	D1495579Q_upd	
	CH-C1,CH-C1Pro	Std.	D1365780J_upd	March 2015 production
	OR-C2 OR-C2_SOP	Std.	D1825566P_upd	April 2015 production
11.27.00	BR-C1	Std.	D7265750H_upd	April 2015 production
	BR-P1	Std.	M2635782A_upd	1st Mass production
11.26.04	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579Q_upd	April 2015 production
	MET-C1ab_SOP	Std.	D1465579Q_upd	
	MET-C1cde_SOP	Std.	D1485579Q_upd	
	MET-C1cde	Std.	D1495579P_upd	
	CH-C1,CH-C1Pro	Std.	D1365780H_upd	January 2015 production
	OR-C2 OR-C2_SOP	Std.	D1825566N_upd	
	Ti-P1/Gim-P1c/ Gim-P1d/Gim-MF1d/ Da-P1d	Opt.	M1095282F_upd	
11.25.04	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579P_upd	December 2014 production
	MET-C1ab_SOP	Std.	D1465579P_upd	
	MET-C1cde_SOP	Std.	D1485579P_upd	
	MET-C1cde	Std.	D1495579N_upd	
	CH-C1,CH-C1Pro	Std.	D1365780G_upd	
11.24.02	MET-C1cde	Std.	D1495579M_upd	November 2014 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579N_upd	
	MET-C1ab_SOP	Std.	D1465579N_upd	
	MET-C1cde_SOP	Std.	D1485579N_upd	
	OR-C2 OR-C2_SOP	Std.	D1825566M_upd	October 2014 production
11.23.00	MET-C1cde	Std.	D1495579L_upd	October 2014 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579M_upd	
	MET-C1ab_SOP	Std.	D1465579M_upd	
	MET-C1cde_SOP	Std.	D1485579M_upd	
	CH-C1,CH-C1Pro	Std.	D1365780F_upd	September 2014 production
	OR-C2 OR-C2_SOP	Std.	D1825566L_upd	
11.22.04	MET-C1cde	Std.	D1495579K_upd	August 2014 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579L_upd	
	MET-C1ab_SOP	Std.	D1465579L_upd	

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	MET-C1cde_SOP	Std.	D1485579L_upd	
11.21.00	BR-C1	Std.	D7265750G_upd	May 2014 production
	CH-C1,CH-C1Pro	Std.	D1365780E_upd	
	OR-C2 OR-C2_SOP	Std.	D1825566K_upd	
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579K_upd	June 2014 production
	MET-C1ab_SOP	Std.	D1465579K_upd	
	MET-C1cde	Std.	D1495579J_upd	
	MET-C1cde_SOP	Std.	D1485579K_upd	
11.20.00	BR-C1	Std.	D7265750F_upd	May 2014 production
11.19.03	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579J_upd	May 2014 production
	MET-C1ab_SOP	Std.	D1465579J_upd	
	MET-C1cde_SOP	Std.	D1485579J_upd	
	OR-C2 OR-C2_SOP	Std.	D1825566J_upd	
11.18.01	OR-C2 OR-C2_SOP	Std.	D1825566H_upd	March 2014 production
11.17.01	Ti-P1 Gim-P1c/Gim-P1d Gim-MF1d	Opt.	M1095282E_upd	April 2014 production
11.16.00	MET-C1cde	Std.	D1495579H_upd	January 2014 production
	OR-C2 OR-C2_SOP	Std.	D1825566G_upd	
	MET-C1ab_SOP	Std.	D1465579H_upd	
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579H_upd	
	MET-C1cde_SOP	Std.	D1485579H_upd	
	Ti-P1	Opt.	M1095282D_upd	
11.15.01	MET-C1ab_SOP ~~MET-C1yz_SOP~~	Std.	D1465579G_upd	December 2013 production
	MET-C1ab MET-C1yz MET-C1yz_SOP	Std.	D1475579G_upd	
	MET-C1cde_SOP	Std.	D1485579G_upd	
	OR-C2 OR-C2_SOP	Std.	D1825566F_upd	
	BR-C1	Std.	D7265750E_upd	
	CH-C1,CH-C1Pro	Std.	D1365780D_upd	
11.14.02	MET-C1cde	Std.	D1495579G_upd	December 2013 production
	OR-C2	Std.	D1825566E_upd	
	BR-C1	Std.	D7265750D_upd	November 2013 production
	CH-C1,CH-C1Pro	Std.	D1365780C_upd	
11.13.01	BR-C1	Std.	D7265750C_upd	October 2013 production
	OR-C2	Std.	D1825566D_upd	
	MET-C1ab_SOP	Std.	D1465579F_upd	
	MET-C1ab	Std.	D1475579F_upd	
	MET-C1cde_SOP	Std.	D1485579F_upd	

RICOH

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	MET-C1cde	Std.	D1495579F_upd	
	CH-C1,CH-C1Pro	Std.	D1365780B_upd	
11.12.01	OR-C2	Std.	D1825566C_upd	September 2013 production
	MET-C1ab_SOP	Std.	D1465579E_upd	
	MET-C1ab	Std.	D1475579E_upd	
	MET-C1cde_SOP	Std.	D1485579E_upd	
	MET-C1cde	Std.	D1495579E_upd	
11.11.01	BR-C1	Std.	D7265750B_upd	1st Mass production
11.10.02	OR-C2	Std.	D1825566B_upd	August 2013 production
	MET-C1ab_SOP	Std.	D1465579D_upd	
	MET-C1ab	Std.	D1475579D_upd	
	MET-C1cde_SOP	Std.	D1485579D_upd	
	MET-C1cde	Std.	D1495579D_upd	
11.09.04	MET-C1ab_SOP	Std.	D1465579C_upd	1st Mass production
	MET-C1cde_SOP	Std.	D1485579C_upd	1st Mass production
11.07.00	OR-C2	Std.	D1825566A_upd	1st Mass production
11.05.04	Ti-P1	Opt.	M1095282C_upd	July 2013 production
11.03.05	MET-C1ab	Std.	D1475579C_upd	1st Mass production
11.02.04	MET-C1cde	Std.	D1495579C_upd	1st Mass production
	CH-C1,CH-C1Pro	Std.	D1365780A_upd	1st Mass production
	Ti-P1	Opt.	M1095282B_upd	Pre-release

Version	Modified Points or Symptom Corrected
11.37.00	*[For D146/D147/D148/D149/D150/D176/D177]* *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.*

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Version	Modified Points or Symptom Corrected
	- *The DSDK application fails to connect to the LDAP server when using Kerberos authentication.*
	[For D135, D136, D137, D138] *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.* - *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.* *- 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.*
	[For M109/M158/M159/M160/M187/D182/D270/D271/D272/M0AA/M0AB] 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.
	[For D726/M263/M264] 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.

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Version	Modified Points or 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.
	 - 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.
	 - 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.

11.35.01	[For M109/M158/M159/M160/M187] 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.
	[For M0AA/M0AB] 1st mass production for BR-P2 [For D270/D271/D272] 1st mass production for BR-C2
11.34.00	[For D146/D147/D148/D149/D150/D176/D177] 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.
11.33.02	[For 263/M264] Symptom corrected: - 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 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.
	[For M109, M158, M159, M160, M187] 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.

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	[For D726] Symptom corrected: - 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. - 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.
11.32.04	[For D135, D136, D137, D138, M109, M158, M159, M160, M187] 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. - 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 D146, D147, D148, D149, D150, D176, D177] 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.

11.31.00	[For D182]
	Symptom corrected:
	- Less than 128-bit encryption methods will be prohibited.
	- Machine may stall, if scanned from the contact glass with Size Setting disabled.
	- SC637 may occur, if the machine is shut down while printing.
	- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- User information may not be displayed, if a job is run by logging in with the user code authentication.
	- Machine response slows down when a trouble occurs in the HDD.
	- 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".

	[For D146, D147, D148, D149, D150, D176, D177] 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.
11.30.02	[For D135, D136, D137, D138] Symptom corrected: - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.

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	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- User information may not be displayed, if a job is run by logging in with the user code authentication.
	- Machine response slows down when a trouble occurs in the HDD.
	- 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".
	- 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.
	- Less than 128-bit encryption methods will be prohibited.
	- 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 D726, M263, M264] Symptom corrected: - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up. - User information may not be displayed, if a job is run by logging in with the user code authentication. - Machine response slows down when a trouble occurs in the HDD. - Less than 128-bit encryption methods will be prohibited.

	[For D146, D147, D148, D149, D150, D176, D177]
	Symptom corrected:
	- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
	- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
	- User information may not be displayed, if a job is run by logging in with the user code authentication.
	- Machine response slows down when a trouble occurs in the HDD.
	- 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".

	[For M109, M158, M159, M160, M187] Symptom corrected: - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up. - User information may not be displayed, if a job is run by logging in with the user code authentication.

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	- Machine response slows down when a trouble occurs in the HDD.
	 - 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".
	 - Less than 128-bit encryption methods will be prohibited.

11.29.02	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. - 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.
11.28.03	Symptom corrected: - 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. - In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed. - MP C6502/C8002
11.27.00	Symptom corrected: The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. ------------ 1st mass production for BR-P1
11.26.04	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 "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. ------------ 1st mass production for Da-P1d
11.25.04	Symptom corrected - Even though activation for CAP v2 (Hybrid mode) was not successful, it is displayed as successful in Remote Install Manager.

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	- 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. - Less than 128-bit encryption methods will be prohibited.
11.24.02	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.
11.23.00	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.
11.22.04	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.
11.21.00	Error correction: - Supported IC card reader/writer (PR-700UDM).
11.20.00	Symptom corrected: - 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.
11.19.03	Symptom corrected: - SDK app cannot reconnect after connection is broken by Andriod during operation. - Logout refusal does not function correctly and the user login information cannot be retrieved if the user tries to log out immediately after logging in. - If logout is performed immediately after logging in, logout refusal may not be performed correctly and the login user information may not be retrieved. Other changes: - Supports remote installation of APIs for Web applications.
11.18.01	Symptom corrected: - Minor bug correction
11.17.01	- 1st mass production for Gim-P1c/Gim-P1d/Gim-MF1d Error correction - Supported IC card writer (PR-700UDM).
11.16.00	Fixed: - If the scan function is used on a device with Streamline NX, GlobalScan NX, or RICOH Scan CX installed, the job log is not registered correctly. - If ESA application is installed, HTTP communication may not be performed correctly.
11.15.01	Fixed: - 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.
11.14.01	Fixed: - If CAP v2 or Streamline NX is used, card login may not be perfomed. - Application switching might not be perfomed when Steamline NX or 3rd vendor application switches the normal application on the operation panel.

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	- USB device ESA applications use cannot be used because vender ID and product ID are not correctly registered on the device. - When the device recieves a lot of data, the device may freeze. - As for Streamline NX, the login screen immediately after an application change is not displayed. - ELP-NX V2 does not accept the print job, even if a error code which allows printing to continue is notified. - When switching a language on the initial setting screen, if the initial setting screen is closed immediately, the display does not switch the language in the ESA application. - When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.
11.13.01	Symptom Corrected: SC990 occurs when machine is powered on, and it cannot be recovered by the machine reboot.
11.12.01	Fixed: - SC899 may occur when a device recovers from STR mode. Important: To apply the change, you also need to install the System/Copy firmware version as shown below. V2.22 or later. (D146) V1.16 or later. (D147) V2.22 or later. (D148) V1.10 or later. (D149) V1.02 or later. (D182) - ESA application screen may be displayed when visible/not visible settings for ESA counter screen is changed 5 or more times. - Coin charge request may not be displayed on ESA application screen even no charge remains in a coin rack.
11.11.01	1st mass production for BR-C1
11.10.02	Fixed: - A Java VM internal process causes a change to the device's configured sleep timing. - ELP-NX v2 cannot be installed to MET-C1/CH-C1 via eDC-i. - 4 line LCD devices do not enter Energy Saver Mode after specific operations.
11.09.04	- 1st mass production for Met-C1 smart operation panel Fixed: - Even if a Java VM remote update has been successful, the device may display a banner message saying "SDK/J update done FAIL" incorrectly.
11.07.00	- 1st mass production for OR-C2 Fixed: - An unexpected screen may appear when a device with 9 or more ESA applications installed recovers from energy saver mode. - An ESA application may stop during a scan with PDF creation if a paper jam occurs during the 1st page of the input document. - ESA application installation and uninstallation may take longer than expected in specific conditions. - The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode.

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	- SDK/J summary may not be printed out when 13 or more ESA applications are installed. - When a device failed to reboot after receiving a reboot request from a device management application, installed ESA applications would not restart automatically and remained in "Stopped" status. - Java VM might not start properly when the device is started. - RuntimeException rarely occurs when a device with multiple ESA applications installed recovers from energy saver mode. - SC899 very rarely occurs when a device is started. - SC899 may occur when a device with a FAX function recovers from energy saver mode. - SC998 very rarely occurs when a device recovers from energy saver mode. - The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed.
11.05.04	Fixed: - SC899 very rarely occurs when a device is started. - SC998 very rarely occurs when a device recovers from energy saver mode while ESA applications are set as function priority. - The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed. - The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode. - SDK/J summary may not be printed out when 13 or more ESA applications are installed. - 4 line LCD devices do not enter Energy Saver Mode after specific operations. - SC899 may occur when a device with a FAX function recovers from energy saver mode.
11.03.05	1st Mass production for MET-C1ab
11.02.04	1st Mass production for MET-C1cde 1st Mass production for Ch-C1 Pre-release for Ti-P1