

Reissued: 09-Dec-16

Model: Java VM v10 Update Tool	Date: 06-Jul-12	No.: RGene086b
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RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Java VM v10 Update Tool		Prepared by: N. Yasuda	
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v10 Update Tool**.

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

AP-C3 (D143, D144), AT-C3 (D111, D142), AL-C2 (D129, D130), S-C5 (D127, D128)
 GR-C1 (D117, D118), MT-C5 (D131, D132, D133), AI-P2 (M132), AP-P3 (M124, M125),
 Mo-C1 (D124), K-C4 (D158, D159)

Version	Model	Type	Program No.	Effective Date
10.26.01	<i>AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4</i>	<i>Opt.</i>	<i>D6405748_upd</i>	<i>December 2016 production</i>
	<i>AL-C2</i>	<i>Std.</i>	<i>D1295722_upd</i>	
	<i>AP-C3, AT-C3</i>	<i>Std.</i>	<i>D1445600_upd</i>	
	<i>MT-C5</i>	<i>Std.</i>	<i>D1315593_upd</i>	
	<i>Mo-C1</i>	<i>Std.</i>	<i>D1245283_upd</i>	
10.25.00	AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749D_upd	October 2016 production
	AL-C2	Std.	D1295735V_upd	
	AP-C3, AT-C3	Std.	D1445594T_upd	
	MT-C5	Std.	D1315590K_upd	
	Mo-C1	Std.	D1245282H_upd	
10.24.01	Mo-C1	Std.	D1245282G_upd	March 2016 production
	AL-C2	Std.	D1295735T_upd	
	AP-C3, AT-C3	Std.	D1445594S_upd	
	AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749C_upd	December 2015 production
10.23.01	AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749B_upd	June 2015 production

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10.22.02	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749A_upd	April 2015 production
	MT-C5	Std.	D1315590J_upd	
10.21.03	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749_upd	March 2015 production
10.20.05	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750Z_upd	January 2015 production
	AL-C2	Std.	D1295735S_upd	
	AP-C3, AT-C3	Std.	D1445594R_upd	
	MT-C5	Std.	D1315590H_upd	February 2015 production
	Mo-C1	Std.	D1245282F_upd	
10.19.00	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750Y_upd	November 2014 production
	AL-C2	Std.	D1295735R_upd	
	MT-C5	Std.	D1315590G_upd	
10.18.01	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750X_upd	October 2014 production
10.17.00	AP-C3, AT-C3	Std.	D1445594Q_upd	July 2014 production
	AL-C2	Std.	D1295735Q_upd	August 2014 production
	Mo-C1	Std.	D1245282E_upd	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750W_upd	June 2014 production
10.16.05	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750V_upd	January 2014 production
	Mo-C1	Std.	D1245282D_upd	February 2014 production
	AL-C2	Std.	D1295735P_upd	
10.15.00	AP-C3, AT-C3	Std.	D1445594P_upd	October 2013 production
	AL-C2	Std.	D1295735N_upd	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750T_upd	September 2013 production
10.14.02	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750S_upd	August 2013 production
	Mo-C1	Std.	D1245282C_upd	
10.13.06	AP-C3, AT-C3	Std.	D1445594N_upd	April 2013 production
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750R_upd	
	MT-C5	Std.	D1315590F_upd	May 2013 production
	Mo-C1	Std.	D1245282B_upd	June 2013 production
	AL-C2	Std.	D1295735M_upd	August 2013 production
10.13.06	AP-C3, AT-C3	Std.	D1445594N_upd	April 2013 production

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	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750R_upd	
	MT-C5	Std.	D1315590F_upd	
10.12.02	AP-C3, AT-C3	Std.	D1445594M_upd	January 2013 production
	AL-C2	Std.	D1295735L_upd	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750Q_upd	
	MT-C5	Std.	D1315590E_upd	
10.11.02	AP-C3, AT-C3	Std.	D1445594L_upd	December 2012 production
	AL-C2	Std.	D1295735K_upd	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750P_upd	October 2012 production
	Mo-C1	Std.	D1245282A_upd	November 2012 production
10.10.01	AP-C3, AT-C3	Std.	D1445594K_upd	October 2012 production
	AL-C2	Std.	D1295735J_upd	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3	Opt.	D6405750N_upd	
	MT-C5	Std.	D1315590D_upd	December 2012 production
10.09.00	AP-C3, AT-C3	Std.	D1445594J_upd	August 2012 production
	AL-C2	Std.	D1295735H_upd	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3	Opt.	D6405750M_upd	
10.08.00	MT-C5	Std.	D1315590C_upd	August 2012 production
10.07.02	AP-C3, AT-C3	Std.	D1445594H_upd	July 2012 production
	AL-C2	Std.	D1295735G_upd	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750L_upd	
10.06.02	AP-C3, AT-C3	Std.	D1445594G_upd	June 2012 production
	AL-C2	Std.	D1295735F_upd	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750K_upd	
10.05.01	AP-C3, AT-C3	Std.	D1445594F_upd	May 2012 production
	AL-C2	Std.	D1295735E_upd	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750J_upd	
	MT-C5	Std.	D1315590B_upd	
10.04.02	AP-C3, AT-C3	Std.	D1445594E_upd	April 2012 production
	AL-C2	Std.	D1295735D_upd	

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	AL-C2 , GR-C1, S-C5	Opt.	D6405750H_upd	March 2012 production
10.03.01	AP-C3, AT-C3	Std.	D1445594D_upd	
	AL-C2	Std.	D1295735C_upd	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750G_upd	
10.02.00	AP-C3, AT-C3	Std.	D1445594C_upd	February 2012 production
	AL-C2	Std.	D1295735B_upd	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750F_upd	
10.01.06	AP-C3, AT-C3	Std.	D1445594C_upd	December 2011 production
	AL-C2	Std.	D1295735B_upd	
		Opt.	D6405750F_upd	

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Model: Java VM v10 Update Tool		Date: 06-Jul-12	No.: RGene086b
Version	Modified Points or Symptom Corrected		
10.26.01	<p>[For D131,D132,D133,D143,D144,D111,D142,D129,D130,D127,D128,D117,D118,M132,M124,M125,D124,D158,D159]</p> <p>Symptom Corrected:</p> <ul style="list-style-type: none"> - 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. - 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. - 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. 		
10.25.00	<p>[For D131, D132, D133]</p> <p>Symptom corrected:</p> <ul style="list-style-type: none"> - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. - 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. - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - Machine may stall, if scanned from the contact glass with Size Setting disabled. - 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. 		
	<p>[For D143,D144,D111,D142,D129,D130,D127,D128,D117,D118,M132,M124,M125,D124,D158,D159]</p> <p>Symptom corrected:</p> <ul style="list-style-type: none"> - Sending fax from the document server using IPv4-mapped address may result in an error. 		
10.24.01	<p>[For D124]</p> <p>Symptom corrected:</p> <ul style="list-style-type: none"> - 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. - 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. 		

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	<ul style="list-style-type: none"> - In the case that Streamline NX is installed (with the PKI module), authentication may not be performed. - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - Machine may stall, if scanned from the contact glass with Size Setting disabled. - SC637 may occur, if the machine is shut down while printing. - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. - If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode. 	
	<p>[For D129, D130, D111, D142, D143, D144]</p> <p>Symptom corrected:</p> <ul style="list-style-type: none"> - 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. - 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. - 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. - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. - If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode. 	
	<p>[For D117, D118, D127, D128, D129, D130, D131, D132, D133, M132, M124, M125, D158, D159]</p> <p>Symptom corrected:</p> <ul style="list-style-type: none"> - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - Machine may stall, if scanned from the contact glass with Size Setting disabled on the following models. <ul style="list-style-type: none"> - MPC4502/5502, MPC3002/3502, MPC4002/5002 - SC637 may occur, if the machine is shut down while printing. - Less than 128-bit encryption methods will be prohibited. <ul style="list-style-type: none"> - AP-P3 (M124, M125) - AI-P2 (M132) - K-C4 (D158, D159) 	
10.23.01	<p>Symptom corrected:</p> <ul style="list-style-type: none"> - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. 	

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	<ul style="list-style-type: none"> - 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. 		
10.22.02	Symptom corrected: <ul style="list-style-type: none"> - 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. 		
10.21.03	Symptom corrected: <ul style="list-style-type: none"> - If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode. - In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed. <ul style="list-style-type: none"> - MP CW2200 		
10.20.05	Symptom corrected: <ul style="list-style-type: none"> - In SLNX v2.3.0 or later, the printer accounting method will be changed to match the MFP specifications in SLNX. - When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size. - When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size. - 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 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. 		
10.19.00	Symptom corrected: <ul style="list-style-type: none"> - 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. <ul style="list-style-type: none"> - AP-C3 (D143, D144) - AT-C3 (D111, D142) - Mo-C1 (D124) - MT-C5 (D131, D132, D133) - GR-C1 (D117, D118) - S-C5 (D127, D128) - AL-C2 (D129, D130) 		
10.18.01	Symptom corrected: <ul style="list-style-type: none"> - 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 logout is performed immediately after logging in, logout refusal may not be performed correctly and the login user information may not be retrieved. - SC997/998 may occur when changing ESA application or transitioning/recovering energy saver mode. 		

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	<ul style="list-style-type: none"> - If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode. - 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. 		
10.17.00	Error Correction: <ul style="list-style-type: none"> - Minor bug correction 		
10.16.05	Fixed: <ol style="list-style-type: none"> 1. If the ESA application is installed, HTTP communication may not be performed correctly. 2. Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel. 3. When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen. 4. 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. 		
10.15.00	Fixed: <ol style="list-style-type: none"> 1. SC899 may occur when the machine recovered from energy saver mode. 2. An unexpected screen may appear when a device with 9 or more ESA applications installed recovers from energy saver mode. 		
10.14.02	Fixed: <ol style="list-style-type: none"> 1. The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed. 2. SDK/J summary may not be printed out when 13 or more ESA applications are installed. 3. When a maximum custom paper size is specified during scanning in wideformats, the ESA application cannot retrieve the correct value. 4. ESA application installation and uninstallation may take longer than expected in specific conditions. 5. 4 line LCD devices do not enter Energy Saver Mode after specific operations. 6. A Java VM internal process causes a change to the device's configured sleep timing. 7. A Java VM remote update causes the device's Heap/Stack Size settings to reset to default values. 		
10.13.06	Fixed: <ol style="list-style-type: none"> 1. The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode. 2. When an ESA application is closed by a user moving to the Home screen, the ESA application continues behaving as if it is displayed on the operation panel. As a result, the user cannot move to other applications because the screen is locked by the ESA application. 3. ESA application name is displayed in Japanese if the device language is not supported by the ESA application. 4. After performing a Java VM remote update process on the device, installed ESA applications show a "Stopped" status and do not restart automatically. 		

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Version	Modified Points or Symptom Corrected		
	<ol style="list-style-type: none"> 5. 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. 6. SC997 may occur on a device during repeated entries and recoveries from energy saver mode. 7. Unnecessary temporary files remain after the remote installation of ESA applications. 8. The device freezes and displays "Please wait..." on the operation panel when the device receives a print job while in energy saver mode. 9. An application that doesn't have enhanced encryption may be installed to the device even though "Enhanced Encryption Strength" is turned ON to prohibit it. 10. Unable to display the device settings screen or Web Image Monitor because of internal process locks. 11. SC990 may occur when a device with a CAPv2 installation recovers from energy saver mode. 12. SC672-02 may occur when a device with a GlobalScan NX installation recovers from energy saver mode. 13. A Java VM internal processing may result in a failure of the device reboot, SC991 or SDK application stopped. 		
10.12.02	<p>Fixed:</p> <ol style="list-style-type: none"> 1. SC997 may occur on a device during repeated entries and recoveries from energy saver mode. 2. Unnecessary temporary files remain after the remote installation of ESA applications. 3. The device freezes and displays "Please wait..." on the operation panel when the device receives a print job while in energy saver mode. 4. An application that doesn't have enhanced encryption may be installed to the device even though "Enhanced Encryption Strength" is turned ON to prohibit it. 5. Unable to display the device settings screen or Web Image Monitor because of internal process locks. 6. SC990 may occur when a device with a CAPv2 installation recovers from energy saver mode. 7. SC672-02 may occur when a device with a GlobalScan NX installation recovers from energy saver mode. 8. WVGA LP devices cannot display the Java TM Platform settings screen. 9. A Java VM internal processing may result in a failure of the device reboot, SC991 or SDK application stopped. 		
10.11.02	<p>Fixed:</p> <ol style="list-style-type: none"> 1. Device reboot takes longer than is standard if the completion message displayed after importing "Device Setting Information" is not closed promptly. 2. Pop-up messages are displayed without message text if the message is displayed immediately after changing the device's language setting. 3. In rare conditions, SC899 or "Internal Error" might occur because of a Java VM bug. 4. The "Please wait..." screen is not closed when attempting to access a SDK application after recovering from energy saver mode. 5. Initial release for Model Mo-C1 (D124), K-C4 (D158, D159) 		
10.10.01	Fixed:		

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	<ul style="list-style-type: none"> - SC997 may occur when the device recovers from energy saver mode. - Switching to ELP-NX v2 from another application may cause SC997 if switching is performed while a large number of jobs are being transmitted to the device. (for Model MT-C5 (D131, D132, D133)) 		
10.09.00	Fixed: Switching to ELP-NX v2 from another application may cause SC997 if switching is performed while a large number of jobs are being transmitted to the device.		
10.08.00	Fixed: Displaying an ESA application takes extra time when the device is recovering from Energy Saver mode.		
10.07.02	Fixed: Kerberos Authentication is performed multiple times, causing a memory leak.		
10.06.02	Symptom corrected: <ol style="list-style-type: none"> 1. More internal resources are consumed than required during internal file open and close operations, such as SDK application installation. This could result in unexpected behavior. 2. CAP v1.4.7 or later doesn't start-up due to a bug in an internal process which affects the AL-C2(D129, D130), GR-C1(D117, D118) and S-C5(D127,D128). 		
10.05.01	Model MT-C5 was added (Initial release) Symptom corrected: <ol style="list-style-type: none"> 1. An error occurs with the Auto Start-up feature of SDK/J applications. 2. The last page is not printed when attempting to print out certain PS data. 3. The user cannot obtain a login password. 4. The software keyboard used with an Xlet application does not close (cannot be cleared) when User Authentication is enabled. 5. The application's main screen cannot be displayed after the software keyboard is closed. 6. The Card Authentication Package (SDK/J application) does not recover following a failed machine reboot. 7. Cannot reboot/stop an Xlet application when the installation of the application is cancelled. 8. The SDK/J application cannot be activated after switching from off-line to on-line. 9. A log-out error occurs with certain SDK applications. 10. The FAX sender's name appears garbled if composed of multi-byte characters. 11. The platform does not reboot when the SDK heap is set to its maximum value. 12. Other minor corrections were applied. 		
10.04.02	Symptom corrected: <ol style="list-style-type: none"> 1. SC899 occurs when a user swipes a card on the card reader while the device is in 'sleep' mode. 2. An "OutOfMemory" error occurs due to lack of device memory when some programs are running. 3. SDK application installation infrequently results in the disappearance of a previously installed SDK application if multiple embedded programs are installed. 		

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	4. Garbled characters can be included in the FAX "TSI" attribute if the fax is handled by the Java VM. This can cause unexpected results for SDK applications, such as file naming errors if using the "TSI" attribute for naming metadata.		
10.03.01	Symptom corrected: 1. Even when the file type has been fixed at "PDF/A", other types of PDF files can be created. 2. User codes and names are not displayed in the Job Log for jobs that involve scanning or plotting using an SDJ/J application. 3. The area of the screen displayed behind a modal dialog responds to touch operations under the following conditions: Modal dialog is displayed -> User changes the screen (e.g. Copier to Home screen) -> User returns to original screen with dialog 4. Cannot login following a series of repeated logins and logouts. 5. The stack size cannot be changed. 6. "OutOfMemoryException" occurs. 7. "StateMachine" cannot be stopped or canceled correctly. 8. A time-out occurs in Muffling mode. 9. Some of the login User IDs acquired by the application appear blank. 10. SC899 sometimes occurs at the conclusion of an SSL session. Other changes: 1. Revised the wording of the error message displayed when the screen is unable to switch to another application using a requestVisibleXlet. 2. The threshold for triggering "Memory full" was changed. 3. Supports VM Card eDC-i1.2.		
10.02.00	Initial release for Model GR-C1, ST-C5.		
10.01.06	1st Mass production		

Reissued: 12-Dec-16

Model: Java VM v10 for eDC	Date: 18-Jul-12	No.: RGene084c
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RTB Reissue

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

Subject: Firmware Release Note: Java VM v10 for eDC		Prepared by: N. Yasuda	
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v10 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.

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

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

AP-C3 (D143, D144), AT-C3 (D111, D142), AL-C2 (D129, D130), S-C5 (D127, D128)
 GR-C1 (D117, D118), MT-C5 (D131, D132, D133), AI-P2 (M132), AP-P3 (M124, M125),
 Mo-C1 (D124), K-C4 (D158, D159)

Version	Model	Type	Program No.	Effective Date
10.26.01	<i>AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4</i>	<i>Opt.</i>	<i>D6405748_edc</i>	<i>December 2016 production</i>
	<i>AL-C2</i>	<i>Std.</i>	<i>D1295722_edc</i>	
	<i>AP-C3, AT-C3</i>	<i>Std.</i>	<i>D1445600_edc</i>	
	<i>MT-C5</i>	<i>Std.</i>	<i>D1315593_edc</i>	
	<i>Mo-C1</i>	<i>Std.</i>	<i>D1245283_edc</i>	
10.25.00	AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749D_edc	October 2016 production
	AL-C2	Std.	D1295735V_edc	
	AP-C3, AT-C3	Std.	D1445594T_edc	
	MT-C5	Std.	D1315590K_edc	
	Mo-C1	Std.	D1245282H_edc	
10.24.01	Mo-C1	Std.	D1245282G_edc	March 2016 production
	AL-C2	Std.	D1295735T_edc	
	AP-C3, AT-C3	Std.	D1445594S_edc	
	AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749C_edc	December 2015 production
10.23.01	AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749B_edc	June 2015 production
10.22.02	AL-C2, GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749A_edc	April 2015 production

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Model: Java VM v10 for eDC			Date: 18-Jul-12	No.: RGene084c
	MT-C5	Std.	D1315590J_edc	
10.21.03	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405749_edc	March 2015 production
10.20.05	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750Z_edc	January 2015 production
	AL-C2	Std.	D1295735S_edc	
	AP-C3, AT-C3	Std.	D1445594R_edc	
	Mo-C1	Std.	D1245282F_edc	February 2015 production
	MT-C5	Std.	D1315590H_edc	
10.19.00	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750Y_edc	November 2014 production
	AL-C2	Std.	D1295735R_edc	
	MT-C5	Std.	D1315590G_edc	
10.18.01	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750X_edc	October 2014 production
10.17.00	Mo-C1	Std.	D1245282E_edc	August 2014 production
	AL-C2	Std.	D1295735Q_edc	July 2014 production
	AP-C3, AT-C3	Std.	D1445594Q_edc	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750W_edc	June 2014 production
10.16.05	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750V_edc	January 2014 production
	Mo-C1	Std.	D1245282D_edc	
	AL-C2	Std.	D1295735P_edc	February 2014 production
10.15.00	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750T_edc	September 2013 production
	AL-C2 ,	Std.	D1295735N_edc	
	AP-C3, AT-C3	Std.	D1445594P_edc	October 2013 production
10.14.02	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750S_edc	August 2013 production
	Mo-C1	Std.	D1245282C_edc	
10.13.06	AP-C3, AT-C3	Std.	D1445594N_edc	April 2013 production
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750R_edc	
	MT-C5	Std.	D1315590F_edc	
	Mo-C1	Std.	D1245282B_edc	June 2013 production
	AL-C2	Std.	D1295735M_edc	August 2013 production
10.13.06	AP-C3, AT-C3	Std.	D1445594N_edc	April 2013 production

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Model: Java VM v10 for eDC			Date: 18-Jul-12	No.: RGene084c
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750R_edc	
	MT-C5	Std.	D1315590F_edc	
10.12.02	AP-C3, AT-C3	Std.	D1445594M_edc	January 2013 production
	AL-C2	Std.	D1295735L_edc	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750Q_edc	
	MT-C5	Std.	D1315590E_edc	
10.11.02	AP-C3, AT-C3	Std.	D1445594L_edc	December 2012 production
	AL-C2	Std.	D1295735K_edc	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3, K-C4	Opt.	D6405750P_edc	October 2012 production
	Mo-C1	Std.	D1245282A_edc	November 2012 production
10.10.01	AP-C3, AT-C3	Std.	D1445594K_edc	October 2012 production
	AL-C2	Std.	D1295735J_edc	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3	Opt.	D6405750N_edc	December 2012 production
	MT-C5	Std.	D1315590D_edc	
10.09.00	AP-C3, AT-C3	Std.	D1445594J_edc	August 2012 production
	AL-C2	Std.	D1295735H_edc	
	AL-C2 , GR-C1, S-C5, AI-P2, AP-P3	Opt.	D6405750M_edc	
10.08.00	MT-C5	Std.	D1315590C_edc	August 2012 production
10.07.02	AP-C3, AT-C3	Std.	D1445594H_edc	July 2012 production
	AL-C2	Std.	D1295735G_edc	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750L_edc	
10.06.02	AP-C3, AT-C3	Std.	D1445594G_edc	June 2012 production
	AL-C2	Std.	D1295735F_edc	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750K_edc	
10.05.01	AP-C3, AT-C3	Std.	D1445594F_edc	May 2012 production
	AL-C2	Std.	D1295735E_edc	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750J_edc	
	MT-C5	Std.	D1315590B_edc	
10.04.02	AP-C3, AT-C3	Std.	D1445594E_edc	April 2012 production
	AL-C2	Std.	D1295735D_edc	

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Model: Java VM v10 for eDC			Date: 18-Jul-12	No.: RGene084c
	AL-C2 , GR-C1, S-C5	Opt.	D6405750H_edc	March 2012 production
10.03.01	AP-C3, AT-C3	Std.	D1445594D_edc	
	AL-C2	Std.	D1295735C_edc	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750G_edc	
10.02.00	AP-C3, AT-C3	Std.	D1445594C_edc	February 2012 production
	AL-C2	Std.	D1295735B_edc	
	AL-C2 , GR-C1, S-C5	Opt.	D6405750F_edc	
10.01.06	AP-C3, AT-C3	Std.	D1445594C_edc	December 2011 production
	AL-C2	Std.	D1295735B_edc	
		Opt.	D6405750F_edc	

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Model: Java VM v10 for eDC		Date: 18-Jul-12	No.: RGene084c
Version	Modified Points or Symptom Corrected		
10.26.01	<p>[For D131,D132,D133,D143,D144,D111,D142,D129,D130,D127,D128,D117,D118,M132,M124,M125,D124,D158,D159]</p> <p>Symptom Corrected:</p> <ul style="list-style-type: none"> - 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. - 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. - 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. 		
10.25.00	<p>[For D131, D132, D133]</p> <p>Symptom corrected:</p> <ul style="list-style-type: none"> - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. - 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. - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - Machine may stall, if scanned from the contact glass with Size Setting disabled. - 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. 		
	<p>[For D143,D144,D111,D142,D129,D130,D127,D128,D117,D118,M132,M124,M125,D124,D158,D159]</p> <p>Symptom corrected:</p> <ul style="list-style-type: none"> - Sending fax from the document server using IPv4-mapped address may result in an error. 		
10.24.01	<p>[For D124]</p> <p>Symptom corrected:</p> <ul style="list-style-type: none"> - 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. - 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), authentication may not be performed. 		

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Model: Java VM v10 for eDC		Date: 18-Jul-12	No.: RGene084c
Version	Modified Points or Symptom Corrected		
	<ul style="list-style-type: none"> - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - Machine may stall, if scanned from the contact glass with Size Setting disabled. - SC637 may occur, if the machine is shut down while printing. - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. - If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode. 		
	[For D129, D130, D111, D142, D143, D144] Symptom corrected: <ul style="list-style-type: none"> - 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. - 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. - 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. - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. - If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode. 		
	[For D117, D118, D127, D128, D129, D130, D131, D132, D133, M132, M124, M125, D158, D159] Symptom corrected: <ul style="list-style-type: none"> - CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON. - Machine may stall, if scanned from the contact glass with Size Setting disabled on the following models. <ul style="list-style-type: none"> - MPC4502/5502, MPC3002/3502, MPC4002/5002 - SC637 may occur, if the machine is shut down while printing. - Less than 128-bit encryption methods will be prohibited. <ul style="list-style-type: none"> - AP-P3 (M124, M125) - AI-P2 (M132) - K-C4 (D158, D159) 		
10.23.01	Symptom corrected: <ul style="list-style-type: none"> - The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode. - 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. 		
10.22.02	Symptom corrected: <ul style="list-style-type: none"> - 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. 		

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Model: Java VM v10 for eDC		Date: 18-Jul-12	No.: RGene084c
Version	Modified Points or Symptom Corrected		
10.21.03	Symptom corrected <ul style="list-style-type: none"> - If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode. - In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed. <ul style="list-style-type: none"> - MP CW2200 		
10.20.05	Symptom corrected <ul style="list-style-type: none"> - In SLNX v2.3.0 or later, the printer accounting method will be changed to match the MFP specifications in SLNX. - When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size. - When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size. - 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 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. 		
10.19.00	Symptom corrected: <ul style="list-style-type: none"> - 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. <ul style="list-style-type: none"> - AP-C3 (D143, D144) - AT-C3 (D111, D142) - Mo-C1 (D124) - MT-C5 (D131, D132, D133) - GR-C1 (D117, D118) - S-C5 (D127, D128) - AL-C2 (D129, D130) 		
10.18.01	Symptom corrected : <ul style="list-style-type: none"> - 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 logout is performed immediately after logging in, logout refusal may not be performed correctly and the login user information may not be retrieved. - SC997/998 may occur when changing ESA application or transitioning/recovering energy saver mode. - If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode. - 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. 		
10.17.00	Error Correction: <ul style="list-style-type: none"> - Minor bug correction 		
10.16.05	Fixed: <ul style="list-style-type: none"> - If the ESA application is installed, HTTP communication may not be performed correctly. 		

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Model: Java VM v10 for eDC		Date: 18-Jul-12	No.: RGene084c
Version	Modified Points or Symptom Corrected		
	<ul style="list-style-type: none"> - Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel. - When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen. - 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. 		
10.15.00	Fixed: <ul style="list-style-type: none"> - SC899 may occur when the machine recovered from energy saver mode. - An unexpected screen may appear when a device with 9 or more ESA applications installed recovers from energy saver mode. 		
10.14.02	Fixed: <ul style="list-style-type: none"> - The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed. - SDK/J summary may not be printed out when 13 or more ESA applications are installed. - When a maximum custom paper size is specified during scanning in wide formats, the ESA application cannot retrieve the correct value. - ESA application installation and uninstallation may take longer than expected in specific conditions. - 4 line LCD devices do not enter Energy Saver Mode after specific operations. - A Java VM internal process causes a change to the device's configured sleep timing. - A Java VM remote update causes the device's Heap/Stack Size settings to reset to default values. 		
10.13.06	Fixed: <ul style="list-style-type: none"> - The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode. - When an ESA application is closed by a user moving to the Home screen, the ESA application continues behaving as if it is displayed on the operation panel. As a result, the user cannot move to other applications because the screen is locked by the ESA application. - ESA application name is displayed in Japanese if the device language is not supported by the ESA application. - After performing a Java VM remote update process on the device, installed ESA applications show a "Stopped" status and do not restart automatically. - 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. 		
10.12.02	Fixed: <ul style="list-style-type: none"> - SC997 may occur on a device during repeated entries and recoveries from energy saver mode. - Unnecessary temporary files remain after the remote installation of ESA applications. - The device freezes and displays "Please wait..." on the operation panel when the device receives a print job while in energy saver mode. - An application that doesn't have enhanced encryption may be installed to the device even though "Enhanced Encryption Strength" is turned ON to prohibit it. 		

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Model: Java VM v10 for eDC		Date: 18-Jul-12	No.: RGene084c
Version	Modified Points or Symptom Corrected		
	<ul style="list-style-type: none"> - Unable to display the device settings screen or Web Image Monitor because of internal process locks. - SC990 may occur when a device with a CAPv2 installation recovers from energy saver mode. - SC672-02 may occur when a device with a GlobalScan NX installation recovers from energy saver mode. - WVGA LP devices cannot display the Java TM Platform settings screen. - A Java VM internal processing may result in a failure of the device reboot, SC991 or SDK application stopped. 		
10.11.02	Fixed: <ul style="list-style-type: none"> - Device reboot takes longer than is standard if the completion message displayed after importing "Device Setting Information" is not closed promptly. - Pop-up messages are displayed without message text if the message is displayed immediately after changing the device's language setting. - In rare conditions, SC899 or "Internal Error" might occur because of a Java VM bug. - The "Please wait..." screen is not closed when attempting to access a SDK application after recovering from energy saver mode. - Initial release for Model Mo-C1 (D124). 		
10.10.01	Fixed: <ul style="list-style-type: none"> - SC997 may occur when the device recovers from energy saver mode. - Switching to ELP-NX v2 from another application may cause SC997 if switching is performed while a large number of jobs are being transmitted to the device. (for Model MT-C5 (D131, D132, D133)) 		
10.09.00	Fixed: <p>Switching to ELP-NX v2 from another application may cause SC997 if switching is performed while a large number of jobs are being transmitted to the device.</p>		
10.08.00	Fixed: <p>Displaying an ESA application takes extra time when the device is recovering from Energy Saver mode.</p>		
10.07.02	Fixed: <p>Kerberos Authentication is performed multiple times, causing a memory leak.</p>		
10.06.02	Symptom corrected: <ul style="list-style-type: none"> - More internal resources are consumed than required during internal file open and close operations, such as SDK application installation. This could result in unexpected behavior. - CAP v1.4.7 or later doesn't start-up due to a bug in an internal process which affects the AL-C2(D129, D130), GR-C1(D117, D118) and S-C5(D127,D128). 		
10.05.01	Model MT-C5(D131, D132, D133) was added (Initial release) <p>Symptom corrected:</p> <ul style="list-style-type: none"> - An error occurs with the Auto Start-up feature of SDK/J applications. - The last page is not printed when attempting to print out certain PS data. - The user cannot obtain a login password. - The software keyboard used with an Xlet application does not close (cannot be cleared) when User Authentication is enabled. - The application's main screen cannot be displayed after the software keyboard is closed. 		

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Model: Java VM v10 for eDC		Date: 18-Jul-12	No.: RGene084c
Version	Modified Points or Symptom Corrected		
	<ul style="list-style-type: none"> - The Card Authentication Package (SDK/J application) does not recover following a failed machine reboot. - Cannot reboot/stop an Xlet application when the installation of the application is cancelled. - The SDK/J application cannot be activated after switching from off-line to on-line. - A log-out error occurs with certain SDK applications. - The FAX sender's name appears garbled if composed of multi-byte characters. - The platform does not reboot when the SDK heap is set to its maximum value. - Other minor corrections were applied. 		
10.04.02	<p>Symptom corrected:</p> <ul style="list-style-type: none"> - SC899 occurs when a user swipes a card on the card reader while the device is in 'sleep' mode. - An "OutOfMemory" error occurs due to lack of device memory when some programs are running. - SDK application installation infrequently results in the disappearance of a previously installed SDK application if multiple embedded programs are installed. <p>Garbled characters can be included in the FAX "TSI" attribute if the fax is handled by the Java VM. This can cause unexpected results for SDK applications, such as file naming errors if using the "TSI" attribute for naming metadata.</p>		
10.03.01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Even when the file type has been fixed at "PDF/A", other types of PDF files can be created. 2. User codes and names are not displayed in the Job Log for jobs that involve scanning or plotting using an SDJ/J application. 3. The area of the screen displayed behind a modal dialog responds to touch operations under the following conditions: Modal dialog is displayed -> User changes the screen (e.g. Copier to Home screen) -> User returns to original screen with dialog 4. Cannot login following a series of repeated logins and logouts. 5. The stack size cannot be changed. 6. "OutOfMemoryException" occurs. 7. "StateMachine" cannot be stopped or canceled correctly. 8. A time-out occurs in Muffling mode. 9. Some of the login User IDs acquired by the application appear blank. 10. SC899 sometimes occurs at the conclusion of an SSL session. <p>Other changes:</p> <ol style="list-style-type: none"> 1. Revised the wording of the error message displayed when the screen is unable to switch to another application using a requestVisibleXlet. 2. The threshold for triggering "Memory full" was changed. <p>Supports VM Card eDC-i1.2.</p>		
10.02.00	Initial release for Model GR-C1, ST-C5.		
10.01.06	1st Mass production		