```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/03/01
--------------------------------------------------------------------------
[Program Name] LegacyUI
--------------------------------------------------------------------------
[Version] 1.00
--------------------------------------------------------------------------
[PCB No.]
--------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------
Exported to(language) GEN(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,ca,gr)
[Firmware No.] D0A41411B
[File Information]
 File Name        D0A41411B.zip
 File Type        Module for Service
 Size             11.42 MB ( 11969685 byte )
[Availability of RFU] No
--------------------------------------------------------------------------
[Production reflection]
--------------------------------------------------------------------------


================================================================================
*** Note ***
================================================================================
[Note]

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*** Important Notes ***
================================================================================
[Important Notes]

--------------------------------------------------------------------------



================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/17
----------------------------------------------------------------
[Program Name] LanguageWidget
----------------------------------------------------------------
[Version] 1.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41413B
[File Information]
 File Name        D0A41413B.zip
 File Type        Module for Service
 Size            0.20 MB ( 207240 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


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*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C
```

Symptom corrected:
- The language displayed on the operation panel might be different
  from the language set in the "Change Language" widget.

[Modification history]

Version 1.01
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] TonnerWidget
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41414B
[File Information]
 File Name        D0A41414B.zip
 File Type        Module for Service
 Size             0.60 MB ( 624914 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/08
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------



================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] FaxInfoWidget
----------------------------------------------------------------
[Version] 1.01
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41415A
[File Information]
 File Name        D0A41415A.zip
 File Type        Module for Service
 Size            0.25 MB ( 266556 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/08
----------------------------------------------------------------


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*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] StopKeyWidget
----------------------------------------------------------------
[Version] 300.04.1
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Experimental/Mass-producing first Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41416
[File Information]
 File Name       D0A41416.zip
 File Type       Module for Service
 Size            0.21 MB ( 215168 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2017/06
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/10/15
--------------------------------------------------------------------------
[Program Name] EcoInfoWidget
--------------------------------------------------------------------------
[Version] 1.01
--------------------------------------------------------------------------
[PCB No.]
--------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41417C
[File Information]
 File Name        D0A41417C.zip
 File Type        Module for Service
 Size            1.99 MB ( 2089993 byte )
[Availability of RFU] No
--------------------------------------------------------------------------
[Production reflection] 2019/09
--------------------------------------------------------------------------


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*** Note ***
================================================================================
[Note]

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*** Important Notes ***
================================================================================
[Important Notes]

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================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank D
```

Other changes:
- Minor bug fixes.

[Modification history]

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] SimpleScan
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41423B_forEDC
[File Information]
 File Name        D0A41423B_forEDC.zip
 File Type        Module for Service
 Size         2.39 MB ( 2510014 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/10
----------------------------------------------------------------


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*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] PrinterInfo
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41427B_forEDC
[File Information]
 File Name        D0A41427B_forEDC.zip
 File Type        Module for Service
 Size             1.03 MB ( 1081676 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/10
----------------------------------------------------------------


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*** Note ***
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[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] SmartCopy
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41428B_forEDC
[File Information]
 File Name        D0A41428B_forEDC.zip
 File Type        Module for Service
 Size             7.35 MB ( 7709130 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/10/15
-------------------------------------------------------------------
[Program Name] SmartScan
-------------------------------------------------------------------
[Version] 1.02
-------------------------------------------------------------------
[PCB No.]
-------------------------------------------------------------------
[Interchangeability] X / O
-------------------------------------------------------------------
[Other Firmware Requirements] None
-------------------------------------------------------------------
[PCB Requirements] None
-------------------------------------------------------------------
[Software category] Normal Release
-------------------------------------------------------------------
[Release category] Normal Release
-------------------------------------------------------------------
[Program category] Firmware
-------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41429D_forEDC
[File Information]
 File Name        D0A41429D_forEDC.zip
 File Type        Module for Service
 Size            3.51 MB ( 3681620 byte )
[Availability of RFU] No
-------------------------------------------------------------------
[Production reflection] 2019/09
-------------------------------------------------------------------


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*** Note ***
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[Note]

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*** Important Notes ***
================================================================================
[Important Notes]

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================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank C
```

Symptom corrected:
- Thai character can be entered to Smart Scan/Fax Application
  (E-mail Subject and Body) even though it will not be reflected
  on sent E-mail.

[Modification history]

Version 1.01
Rank D

Other changes:
- Minor bug fixes.

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/15
----------------------------------------------------------------
[Program Name] SmartFAX
----------------------------------------------------------------
[Version] 4.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41430D__forEDC
[File Information]
 File Name        D0A41430D__forEDC.zip
 File Type        Module for Service
 Size          3.25 MB ( 3409889 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2019/10
----------------------------------------------------------------


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*** Note ***
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[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank B
```

Symptom corrected:
- Smart FAX application bug related to Stored Reception File
  management was corrected (user can select reception files
  unexpectedly while warming up for printing).
- Thai character can be entered to Smart Scan/Fax Application
  (E-mail Subject and Body) even though it will not be reflected
  on sent E-mail.
- Sending result notification is sent by mistake in Smart FAX.

[Modification history]

Version 4.01
Rank D

Other changes:
- Minor bug fixes.

Version 4.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/17
----------------------------------------------------------------
[Program Name] MeidaPrtScn
----------------------------------------------------------------
[Version] 1.01
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41431C_forEDC
[File Information]
 File Name        D0A41431C_forEDC.zip
 File Type        Module for Service
 Size            4.27 MB ( 4482393 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


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*** Note ***
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[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C
```

Symptom corrected:
- The preview screen of the scanned document might not be displayed
  on Print/Scan (Memory Storage Device) application, when the
  document is scanned with the following condition.
   - The file type is TIFF/ JPEG (Single page)
   - Preview is checked.

[Modification history]

Version 1.00
Rank D

1st Mass production

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/03/04
--------------------------------------------------------------------------
[Program Name] TrayWidget
--------------------------------------------------------------------------
[Version] 1.01
--------------------------------------------------------------------------
[PCB No.]
--------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41433A
[File Information]
 File Name        D0A41433A.zip
 File Type        Module for Service
 Size           0.53 MB ( 554432 byte )
[Availability of RFU] No
--------------------------------------------------------------------------
[Production reflection] 2018/08
--------------------------------------------------------------------------


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*** Note ***
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[Note]

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*** Important Notes ***
================================================================================
[Important Notes]

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================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] BLEPlugin
----------------------------------------------------------------
[Version] 3.0.5
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41434A
[File Information]
 File Name        D0A41434A.zip
 File Type        Module for Service
 Size          1.26 MB ( 1319334 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/10
----------------------------------------------------------------


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*** Note ***
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[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] SimpleWFD
----------------------------------------------------------------
[Version] 1.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41435B
[File Information]
 File Name        D0A41435B.zip
 File Type        Module for Service
 Size             0.90 MB ( 943934 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


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*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

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*** Basic Information ***

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===

[Create date] 2020/01/07

[Program Name] InstSetting

[Version] 1.03

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D0A41436D

[File Information]

 File Name   D0A41436D.zip

 File Type   Module for Service

 Size   1.48 MB (1556741 byte)

[Availability of RFU] No

[Production reflection] 2019/12

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*** Note ***

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===

[Note]

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*** Important Notes ***

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[Important Notes]

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*** Modification History ***

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[Modifications made:]

Rank C

Symptom corrected:

- "Select your country" on the initial setup screen has been

  corrected to "Select your country/region". (English/Chinese)

[Modification history]

Version 1.02

Rank D

Other changes:

- Minor bug fixes.

Version 1.01

Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/12/12
----------------------------------------------------------------
[Program Name] System/Copy
----------------------------------------------------------------
[Version] 1.08
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45540E
[File Information]
 File Name        D0A45540E.fwu
 File Type        Module for Service
 Size             28.49 MB ( 29872608 byte )
[File Information]
 File Name        D0A45540E.rfu
 File Type        Module for Remote Upgrade
 Size             28.50 MB ( 29880576 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/12
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

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================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- When printing multiple jobs while "Enhanced Print Volume Use
  Limitation" is enabled, the printing might be slower.


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```
[Modification history]
```
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```
Version 1.07
Rank C

Other changes:
- SC542-01 and SC552-01 (type A) are removed. SC546-00 and SC556-00
 (type D) are added for detecting the low voltage.
   This firmware is dependent on the following firmware modules,
    update them to the required version:
   - System/Copy v1.07 (D0A45540D) or later
   - Engine v1.11:09 (D0A45551D) or later


```
-----------------------------------------
```
Version 1.06
Rank C

Symptom corrected:
- SC569-01 or 02 may occur if the main switch is turned on when the new fusing unit is installed.
- SC865-56 might occur during an OCR scan job with paper of varying sizes.
- Color registration shift occurs.
- When JavaVM isn't installed, the SSL/TLS settings in the Security menu on the WIM can't be reflected in the SSL
communication via port 51443.
- When the USB Device Server Option is enabled on the device, printing from USB might be much slower.
- The device might freeze after logging in to the device at address book screen under the following conditions;
   1) Central Management is enabled.
   2) Either of Windows authentication, LDAP authentication, or Custom authentication is set on User Authentication
Management.
- If the authentication setting is changed remotely while logging in from the panel, the operation might hang, and the
panel might stall.
- When the auto logout setting is enabled, logout failed message might appear during the printing.

Other changes:
- The default value of the Toner Call Threshold (SP5-507-081) is increased from 10% to 20% in order to prevent the
machine from having the down time.
- When the SP3-920-002 is set to "0" and SP5-930-001 is set to "1", if the temperature inside the machine is or less
than 36 degrees Celsius, a control to improve the toner yield starts working.
- The following SP modes are added: SP1-921 to 922, SP2-104-010 to 012, SP6-030-001 to 003
- The following SP mode is added: SP2-201-206
- The log storage function via @Remote has been removed. This firmware is dependent on the following firmware
modules. Please be sure to update all of them:
   - System/Copy V1.06 (D0A45540C) or later
   - Web Support V1.02 (D0A45568E) or later
- Engine logs can be collected via @Remote.


```
-----------------------------------------
```

Version 1.05
Rank B

Symptom corrected:
- Images might print abnormally when making a combined copy if the
  original is scanned in the ADF without specifying the document
  size.

Version 1.04
Rank C

Symptom corrected:
- When the address book is backed up from an 11S or earlier model
  and restored to a 14S or later model, SC899 might occur after
  restoring the address book and restarting the machine.
- When "Application Authentication Settings" is enabled, SC899 might
  occur after registering or updating an address book over 220 times
  from Web Image Monitor.
- The language set for each user may not be applied when logging in
  during Energy Saving mode.
- Cannot log-in with VM less application during daylight saving time.
  (Only in the case that the daylight saving time period start at Oct-Dec)

Other changes:
- The Java VM version can be confirmed via @Remote.
- When condensation is detected inside the machine, instructions are
  displayed instead of an SC error message.
- Supported RICOH SmartSDK v2.60

Version 1.03
Rank C

Symptom corrected:
- Wireless direct connection might fail in Group Owner Mode.

Supported:
- The CPU is replaced with a newer model, so the BIOS is also
  updated to support the new model.

Version 1.01
Rank C

Symptom corrected:
- Image log might not be sent and stay in the device.
- When scanning with ClearlightPDF JPEG2000, SC865-56 might occur.
- Preview screen of a print job on Enhanced Locked Print might freeze,
  when the page is repeatedly moved.
- When the device receive a response of "ICMP unreachable" from a
  network device, the communication might fail.
- The machine wakes up from the sleep mode when it receives a MIB
  request from @Remote.
- SC845-04 might occur in the following situation:

   1. Cheetah Firmware Update fails.
   2. Then, the SD Card is removed, or the supply of electricity is
     stopped while the machine is recovering via SD Card.
- The machine might stall if it enters energy saving mode during ARFU.
- When configuring a custom paper size in the Bypass Tray Paper
  Settings, the measurements entered for the paper length and width
  are reversed.
- The machine might not recover from SC995-002 after replacing the
  NVRAM on the controller board.

Other changes:
- When condensation is detected inside the machine, instructions are
  displayed instead of an SC error message.
- A minor change only for the Japanese model.
- If a firmware package is unpublished (for example, when a bug is
  discovered after release), it is possible to apply a previous
  firmware package via ARFU, SFU, and Application Site.
  (Previously, if a firmware package is unpublished then ARFU, SFU,
  and Application Site would display an error dialog and the
  function could not be used.)

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/04/12
----------------------------------------------------------------
[Program Name] KerberosService
----------------------------------------------------------------
[Version] 1.06.01
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41445B_forEDC
[File Information]
 File Name        D0A41445B_forEDC.zip
 File Type        Module for Service
 Size            2.23 MB ( 2342044 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2019/02
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] CSPF
----------------------------------------------------------------
[Version] 2.02.01
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41449A_forEDC
[File Information]
 File Name       D0A41449A_forEDC.zip
 File Type       Module for Service
 Size          0.32 MB ( 340767 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/08
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] Application Site
----------------------------------------------------------------
[Version] 1.04.08
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41452A_forEDC
[File Information]
 File Name        D0A41452A_forEDC.zip
 File Type        Module for Service
 Size          0.64 MB ( 671906 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 1st Mass Production
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*** Note ***
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[Note]

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*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/24
----------------------------------------------------------------
[Program Name] ICCardDispatcher
----------------------------------------------------------------
[Version] 3.01.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41453C
[File Information]
 File Name        D0A41453C.zip
 File Type        Module for Service
 Size             0.42 MB ( 445322 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C
```

Symptom corrected:
- System Reset might occur immediately after authenticating with an
  IC card and a SmartSDK application.

[Modification history]

Version 3.01.01
Rank D

1st Mass production

```
========================================================================
*** Basic Information ***
========================================================================
[Create date] 2019/03/01
------------------------------------------------------------------------
[Program Name] NFCPlugin
------------------------------------------------------------------------
[Version] 3.00.02
------------------------------------------------------------------------
[PCB No.]
------------------------------------------------------------------------
[Interchangeability] X / O
------------------------------------------------------------------------
[Other Firmware Requirements] None
------------------------------------------------------------------------
[PCB Requirements] None
------------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------------
[Program category] Firmware
------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41454B_forEDC
[File Information]
 File Name        D0A41454B_forEDC.zip
 File Type        Module for Service
 Size            0.03 MB ( 36635 byte )
[Availability of RFU] No
------------------------------------------------------------------------
[Production reflection] 2018/08
------------------------------------------------------------------------


========================================================================
*** Note ***
========================================================================
[Note]

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========================================================================
*** Important Notes ***
========================================================================
[Important Notes]

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========================================================================
*** Modification History ***
========================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] USBCardPlugin
----------------------------------------------------------------
[Version] 3.00.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41455B_forEDC
[File Information]
 File Name        D0A41455B_forEDC.zip
 File Type        Module for Service
 Size             0.04 MB ( 38658 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/08
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------



================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
=====================================================================
*** Basic Information ***
=====================================================================
[Create date] 2019/03/12
---------------------------------------------------------------------
[Program Name] CheetahSystem
---------------------------------------------------------------------
[Version] 1.02
---------------------------------------------------------------------
[PCB No.]
---------------------------------------------------------------------
[Interchangeability] X / O
---------------------------------------------------------------------
[Other Firmware Requirements] None
---------------------------------------------------------------------
[PCB Requirements] None
---------------------------------------------------------------------
[Software category] Normal Release
---------------------------------------------------------------------
[Release category] Normal Release
---------------------------------------------------------------------
[Program category] Firmware
---------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41456D
[File Information]
 File Name        D0A41456D.zip
 File Type        Module for Service
 Size            202.73 MB ( 212582538 byte )
[Availability of RFU] No
---------------------------------------------------------------------
[Production reflection]
---------------------------------------------------------------------


=====================================================================
*** Note ***
=====================================================================
[Note]

---------------------------------------------------------------------



=====================================================================
*** Important Notes ***
=====================================================================
[Important Notes]

-----------------------------------------------------------------



=====================================================================
*** Modification History ***
=====================================================================
[Modifications made:]
Rank B
```

Symptom corrected:
- Setting the Function Priority remotely with the SmartSDK WebAPI
  might fail if an application other than the home screen is
  currently displayed on the operation panel.
- When turning on the machine, the error message, "Unfortunately,
  Setting2 has stopped", might appear.
- When opening the detailed sound settings from the Installation
  Settings screen, an error message might appear and the Installation
  Settings might close unexpectedly.
- Cannot login with some specific authentication application during
  the daylight-saving time.
- If the machine goes into sleep mode while internally updating
  MovieData after updating the firmware, videos on replacing supplies
  will not play normally.

[Modification history]

Version 1.01
Rank C

Symptom corrected:
- The SmartSDK API for setting the Function Priority might return
  the wrong character code and text in the application might be garbled.
- If an authentication application installed, the following issues
  might occur.
  - Some applications cannot be used after login.
  - Force quit the authentication application, then login.
- If paper is repeatedly inserted and removed from the bypass paper
  tray within a short space of time, the Bypass Tray Paper Settings
  might not be able to open.
- If the Screen Startup Mode is set to 'Quick, the Bypass Tray
  Paper Settings might not be able to open immediately after the
  machine is turned on.
- The envelope name is displayed as "Yoh/Yoh Chou Envelope"on the
  Paper Orientation screen of the Bypass Tray Paper Settings.
- Descriptions might be displayed in English in Smart Integration
  application, when Brazilian Portuguese is selected.
- Remote config API might not be available when "Machine Management"
  in the "Administrator Authentication Management" is disabled.
- English stays as the display language of the Web Browser NX even
  when another display language is selected.

Other changes:
- The startup method for RemoteConnect Support has changed.
  Before: Press and hold the top banner for five seconds and then
  release it.
  New: Press and hold the top banner for five seconds.
- SOP and application setting is stored to HDD.
- Supported RICOH SmartSDK v2.60
- Error LED is indicated, and the status in "Check Status" is
  displayed, for SmartSDK application.

Version 1.00

Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] SmartScanEx
----------------------------------------------------------------
[Version] 2.00.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41460
[File Information]
 File Name       D0A41460.zip
 File Type       Module for Service
 Size            4.61 MB ( 4834077 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/10
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/03/01
--------------------------------------------------------------------------------
[Program Name] HelpService
--------------------------------------------------------------------------------
[Version] 3.01
--------------------------------------------------------------------------------
[PCB No.]
--------------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41471A_forEDC
[File Information]
 File Name        D0A41471A_forEDC.zip
 File Type        Module for Service
 Size          0.37 MB ( 387825 byte )
[Availability of RFU] No
--------------------------------------------------------------------------------
[Production reflection] 1st Mass Production
--------------------------------------------------------------------------------


================================================================================
*** Note ***
================================================================================
[Note]

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*** Important Notes ***
================================================================================
[Important Notes]

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================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/07/19
----------------------------------------------------------------
[Program Name] Fax
----------------------------------------------------------------
[Version] 01.02.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45564D
[File Information]
 File Name       D0A45564D.fwu
 File Type       Module for Service
 Size           2.41 MB ( 2523168 byte )
[File Information]
 File Name       D0A45564D.rfu
 File Type       Module for Remote Upgrade
 Size           2.41 MB ( 2531584 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/07
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

===
[Modifications made:]
Rank C

Other changes:
- Smart SDK applications can communicate with the device to find
  out if the setting to store received fax documents is enabled.

[Modification history]

Version 01.01.00
Rank C

Symptom corrected:
- Received fax documents cannot be forwarded to the folder in
  GlobalScan NX by the sender's TSID.

Version 01.00.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/09
----------------------------------------------------------------
[Program Name] Engine
----------------------------------------------------------------
[Version] 1.09:09
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45551B
[File Information]
 File Name        D0A45551B.fwu
 File Type        Module for Service
 Size             3.94 MB ( 4129268 byte )
[File Information]
 File Name        D0A45551B.rfu
 File Type        Module for Remote Upgrade
 Size             3.95 MB ( 4137216 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
```

===
[Modifications made:]
Rank C

Symptom corrected:
- Due to the change of the Home Position Sensor and SPDF Feed
  Sensor, SC121-00 or J004 might occur caused by the new sensor's
  antistatic performance.
- If the machine placed in a high voltage environment, it might
  misdetect unusual conditions 5 times consecutively and give SC541
  error.
- An alert stating that the waste toner level is almost full might
  appear earlier than expected.
- SC569-01may occur if the main switch is turned on when the new
  fusing unit is installed.

Other changes:
- When the SP3-920-002 is set to "0" and SP5-930-001 is set to "1",
  if the temperature inside the machine is or less than 36 degrees
  Celsius, a control to improve the toner yield starts working.

[Modification history]

Version 1.08:09
Rank C

Symptom corrected:
- The Engine firmware cannot be updated at the same time as the Bank firmware.
- Opening and closing the cover after doing the output check for the
  feed/fusing motor (SP5-804-013 to 22) might cause SC508 to occur.
- The PM Counter might be incorrect.

Version 1.07:09

Rank C

Symptom corrected:
- If a paper misfeed jam occurs during duplex printing, after
  recovering from the jam, the misfed page is printed twice and
  another page is missing.

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] Java VM v12 std for eDC
----------------------------------------------------------------
[Version] 12.63.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45553A_edc
[File Information]
 File Name        D0A45553A_edc.ifu
 File Type        Module for Service
 Size          64.02 MB ( 67133068 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/11/01
----------------------------------------------------------------
[Program Name] CheetahSystem
----------------------------------------------------------------
[Version] 1.03.1
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A41456E
[File Information]
 File Name       D0A41456E.zip
 File Type       Module for Service
 Size            203.02 MB ( 212883369 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2019/10
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C
```

Symptom corrected:
- When following are executed in SOP-G2 models, the setting items
  for Web Browser NX will be changed to default values. Then the web
  application such as RSI application cannot be used.
    Updating CheetahSystem v1.00 or less to v1.01 or later.
    Downgrading CheetahSystem v1.01 or later to v1.00 or less.
  * Changed setting items and default values are:
    Save Password: Do not Save
    Save Form Data: Do not Save
    Save Cookie: Do not Save
    Store Application Cache: Do not Save
    Restrict Usage for Users: Do not Restrict
    Check SSL Error: Check
- The device with CAP/ELP may not be found via Configuration Tool
  after system reset of device.
- The update might fail with error 235, when the package firmware
  update is conducted.
- Application name is displayed only in English on the Installation
  screen of Web Image Monitor.
- Remote Update/Uninstallation of SOP native application from Web
  Image Monitor may be failed.
- The machine is stalled after remote update or installation
  (offline operation > Install [2-visit course]) of CAP/ELP via CLA
  is finished.
- Some applications developed with Ricoh HeadQuarter may not work
  properly.
- When the User's Own Customization setting is allowed, the display
  language may not switch to user own language after login.
- When the User's Own Customization setting is allowed, normal
  startup will start, even if the Control Panel Startup Mode is set
  to "quick".

Other changes:
- Supported RICOH SmartSDK v2.60

Supported:
- Return bottuon on SOP is supported for SmartSDK.

[Modification history]

Version 1.02
Rank B

Symptom corrected:
- Setting the Function Priority remotely with the SmartSDK WebAPI
  might fail if an application other than the home screen is
  currently displayed on the operation panel.
- When turning on the machine, the error message, "Unfortunately,
  Setting2 has stopped", might appear.
- When opening the detailed sound settings from the Installation
  Settings screen, an error message might appear and the Installation
  Settings might close unexpectedly.
- Cannot login with some specific authentication application during
  the daylight-saving time.
- If the machine goes into sleep mode while internally updating
  MovieData after updating the firmware, videos on replacing supplies

will not play normally.

Version 1.01
Rank C

Symptom corrected:
- The SmartSDK API for setting the Function Priority might return
  the wrong character code and text in the application might be garbled.
- If an authentication application installed, the following issues
  might occur.
  - Some applications cannot be used after login.
  - Force quit the authentication application, then login.
- If paper is repeatedly inserted and removed from the bypass paper
  tray within a short space of time, the Bypass Tray Paper Settings
  might not be able to open.
- If the Screen Startup Mode is set to 'Quick, the Bypass Tray
  Paper Settings might not be able to open immediately after the
  machine is turned on.
- The envelope name is displayed as "Yoh/Yoh Chou Envelope"on the
  Paper Orientation screen of the Bypass Tray Paper Settings.
- Descriptions might be displayed in English in Smart Integration
  application, when Brazilian Portuguese is selected.
- Remote config API might not be available when "Machine Management"
  in the "Administrator Authentication Management" is disabled.
- English stays as the display language of the Web Browser NX even
  when another display language is selected.

Other changes:
- The startup method for RemoteConnect Support has changed.
  Before: Press and hold the top banner for five seconds and then
  release it.
  New: Press and hold the top banner for five seconds.
- SOP and application setting is stored to HDD.
- Supported RICOH SmartSDK v2.60
- Error LED is indicated, and the status in "Check Status" is
  displayed, for SmartSDK application.

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] Java VM v12 std UpdateTool
----------------------------------------------------------------
[Version] 12.63.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45553A_upd
[File Information]
 File Name        D0A45553A_upd.exe
 File Type        Module for Service
 Size          63.77 MB ( 66870810 byte )
 Check Sum -8Bit Sum: A2BD
        -16Bit Sum(Little Endian): 437E
        -16Bit Sum(Big Endian): 1C3F
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
================================================================
```

[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] HelpData
----------------------------------------------------------------
[Version] 0.006
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45554A
[File Information]
 File Name       D0A45554A.fwu
 File Type       Module for Service
 Size            2.87 MB ( 3008516 byte )
[File Information]
 File Name       D0A45554A.rfu
 File Type       Module for Remote Upgrade
 Size            2.88 MB ( 3014912 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


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*** Note ***
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[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
```

===
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] MovieData
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45555B
[File Information]
 File Name        D0A45555B.fwu
 File Type        Module for Service
 Size            9.54 MB ( 10005224 byte )
[File Information]
 File Name        D0A45555B.rfu
 File Type        Module for Remote Upgrade
 Size            9.55 MB ( 10010880 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
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[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] MovieData3
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45557B
[File Information]
 File Name        D0A45557B.fwu
 File Type        Module for Service
 Size             27.53 MB ( 28871004 byte )
[File Information]
 File Name        D0A45557B.rfu
 File Type        Module for Remote Upgrade
 Size             27.54 MB ( 28877056 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

===
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] System/Copy
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45560C
[File Information]
 File Name        D0A45560C.fwu
 File Type        Module for Service
 Size             28.47 MB ( 29853576 byte )
[File Information]
 File Name        D0A45560C.rfu
 File Type        Module for Remote Upgrade
 Size             28.48 MB ( 29860096 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] PowerSaving Sys
----------------------------------------------------------------
[Version] 1.L3.15
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45563A
[File Information]
 File Name        D0A45563A.fwu
 File Type        Module for Service
 Size        4.00 MB ( 4194832 byte )
[File Information]
 File Name        D0A45563A.rfu
 File Type        Module for Remote Upgrade
 Size        4.01 MB ( 4202752 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/15
----------------------------------------------------------------
[Program Name] Fax
----------------------------------------------------------------
[Version] 01.03.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45564E
[File Information]
 File Name        D0A45564E.fwu
 File Type        Module for Service
 Size            2.41 MB ( 2522416 byte )
[File Information]
 File Name        D0A45564E.rfu
 File Type        Module for Remote Upgrade
 Size            2.41 MB ( 2527488 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

```
================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- Stored received FAX document may not be printed if energy saving mode is enabled.


```
------------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 01.02.00
Rank C

Other changes:
- Smart SDK applications can communicate with the device to find
  out if the setting to store received fax documents is enabled.


```
-----------------------------------------
```
Version 01.01.00
Rank C

Symptom corrected:
- Received fax documents cannot be forwarded to the folder in
  GlobalScan NX by the sender's TSID.


```
-----------------------------------------
```
Version 01.00.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/15
----------------------------------------------------------------
[Program Name] GWFCU3.8-19(WW)
----------------------------------------------------------------
[Version] 02.00.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45566C
[File Information]
 File Name        D0A45566C.fwu
 File Type        Module for Service
 Size          3.94 MB ( 4129296 byte )
[File Information]
 File Name        D0A45566C.rfu
 File Type        Module for Remote Upgrade
 Size          3.95 MB ( 4137216 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==

[Modifications made:]
Rank C

Symptom corrected:
- SC 871-01 might occur and the Fax application might go into a stall when recovering from the energy saving mode.

[Modification history]

Version 01.00.01
Rank D

1st Mass production

```
==================================================================
*** Basic Information ***
==================================================================
[Create date] 2019/11/28
------------------------------------------------------------------
[Program Name] Scanner
------------------------------------------------------------------
[Version] 01.02
------------------------------------------------------------------
[PCB No.]
------------------------------------------------------------------
[Interchangeability] X / O
------------------------------------------------------------------
[Other Firmware Requirements] None
------------------------------------------------------------------
[PCB Requirements] None
------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------
[Program category] Firmware
------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45567D
[File Information]
 File Name       D0A45567D.fwu
 File Type       Module for Service
 Size           5.15 MB ( 5397656 byte )
[File Information]
 File Name       D0A45567D.rfu
 File Type       Module for Remote Upgrade
 Size           5.15 MB ( 5402880 byte )
[Availability of RFU] Yes
------------------------------------------------------------------
[Production reflection] 2019/09
------------------------------------------------------------------


==================================================================
*** Note ***
==================================================================
[Note]

------------------------------------------------------------------



==================================================================
*** Important Notes ***
==================================================================
[Important Notes]

------------------------------------------------------------------



==================================================================
*** Modification History ***
```

```
==========================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- When sending a saved document, the captured image file might not
  be sent if a SmartSDK scanner application is installed.
- Scanning with the OCR function might stop working correctly after
  scanning to email with the following conditions:
   - Scanning an original as a PDF file with both the OCR function
     and the Delete Blank Page function selected.
   - Sending the file as a URL link.
   - All pages of the original are blank.
- Image log of Scan job (OCR or high compression PDF) may not be
  collected correctly.
- Folders named with double-byte characters may not be displayed
  correctly (Missing or Garbled) in Smart Scanner app.
- A hidden folder may be browsed via network with Smart Scanner app.
- The following symptoms might occur when emailing the URL link of
  a scanned image if the Image Log Capture function is enabled:
   - The device might not enter Engine OFF mode.
   - Firmware Update via SD card might fail.
   - Automatic Remote Firmware Update might fail.
   - The device might not power down via a device management tool,
     such as Device
     Manager NX.
   - If there are over 300 open image files, subsequent jobs might
     not be executed.

[Modification history]

Version 01.01
Rank C

Symptom corrected:
- An error might occur when sending mail if the billing code is used
  with the Card Authentication Package v2.
- Image log of Scan job (OCR or high compression PDF) may not be
  collected correctly.

Version 01.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/16
----------------------------------------------------------------
[Program Name] Web Support
----------------------------------------------------------------
[Version] 1.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45568E
[File Information]
 File Name        D0A45568E.fwu
 File Type        Module for Service
 Size             7.40 MB ( 7761552 byte )
[File Information]
 File Name        D0A45568E.rfu
 File Type        Module for Remote Upgrade
 Size             7.41 MB ( 7766272 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank C

Other changes:
- The log storage function via @Remote has been removed.
  This firmware is dependent on the following firmware modules.
  Please be sure to update all of them:
   - System/Copy V1.06 (D0A45540C) or later
   - Web Support V1.02 (D0A45568E) or later

[Modification history]

Version 1.01
Rank C

Other changes:
- The following values can be set with solution software that uses SOAP I/F.
  - "SNMPv3 Setting"
     - SNMPv3 Trap Communication
     - Encryption Algorithm
     - Permit SNMPv3 Communication
  - "Program/Change Administrator"
     - Encryption Password
- When condensation is detected inside the machine, instructions are
  displayed instead of an SC error message.

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] Web Uapl
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45569C
[File Information]
 File Name        D0A45569C.fwu
 File Type        Module for Service
 Size            1.96 MB ( 2053040 byte )
[File Information]
 File Name        D0A45569C.rfu
 File Type        Module for Remote Upgrade
 Size            1.97 MB ( 2060544 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

===

[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/12/11
----------------------------------------------------------------
[Program Name] Network Support
----------------------------------------------------------------
[Version] 17.30
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45572E
[File Information]
 File Name        D0A45572E.fwu
 File Type        Module for Service
 Size             12.15 MB ( 12736112 byte )
[File Information]
 File Name        D0A45572E.rfu
 File Type        Module for Remote Upgrade
 Size             12.15 MB ( 12742912 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/12
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank C

Symptom corrected:
- A vulnerability (CVE-2019-1559) to a Padding Oracle Attack on CBC encryption has been fixed. To activate this fix, CBC mode must be disabled after updating the firmware.
   - msh> set cbc down
   - msh> logout
   - Enter "yes" to save the changes.

[Modification history]

Version 17.29
Rank C

Symptom corrected:
- When conducting AirPrint, if port 80/TCP (HTTP) or port 631/TCP
  (IPP) in the printer is closed, the Apple device cannot find the
  printer.
- When JavaVM isn't installed, the SSL/TLS settings in the Security
  menu on the WIM can't be reflected in the SSL communication via
  port 51443.

Version 17.28
Rank C

Symptom corrected:
- DNS name resolution for the device might fail if DDNS is enabled
  in a DHCPv6 environment.
- The DHCP address renewal request might be discarded when the DHCP
  server is configured as a failover cluster.

Other changes:
- Supported RICOH SmartSDK v2.60
- Even when the certificate key length for @Remote is set to 512-bit,
  the device can connect to the firmware download server (for ARFU, SFU, etc.).
- It is now possible to close the following ports with a Telnet command:
  - 111/tcp
  - 111/udp
  - 1022/tcp
  - 1023/tcp
  - 1022/udp
  - 1023/udp
  - 2049/tcp
  - 18315/tcp
  - 54080/tcp
  - 54443/tcp
  - 65000/tcp
  - 65001/tcp
  Please refer to the RTB (RGene108a) for more details.

Version 17.27
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/15
----------------------------------------------------------------
[Program Name] NetworkDocBox
----------------------------------------------------------------
[Version] 1.03
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45570E
[File Information]
 File Name        D0A45570E.fwu
 File Type        Module for Service
 Size            9.00 MB ( 9440464 byte )
[File Information]
 File Name        D0A45570E.rfu
 File Type        Module for Remote Upgrade
 Size            9.01 MB ( 9445632 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

===
[Modifications made:]
Rank C

Symptom corrected:
- The "DOSS Last Auto Delete Date" might not be recorded
  under "Device Properties" on Streamline NX or Device
  Manager NX.

[Modification history]

Version 1.02
Rank C

Symptom corrected:
- When SmartSDK WebAPI is used for image log and job log notification,
  there might be a delay if multiple log notifications are sent at the same time.
- When using a SmartSDK log capturing function and executing multiple
  stored scan jobs, only one image job might be recorded in the log.

Other changes:
- Supported RICOH SmartSDK v2.60

Version 1.01
Rank C

Symptom corrected:
- SC865 may occur when the following conditions are met.
  - SP5-836-143 is "1: ON" (Default "0: OFF")
  - High compression PDF setting is "JPEG2000" (Image) or "JBIG2" (text).
- The log time reported to the SmartSDK application might be wrong.

Other changes:
- The following values can be set with solution software that uses SOAP I/F.
  - "SNMPv3 Setting"
      - SNMPv3 Trap Communication
      - Encryption Algorithm
      - Permit SNMPv3 Communication
  - "Program/Change Administrator"
      - Encryption Password

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2020/01/07
----------------------------------------------------------------
[Program Name] animation
----------------------------------------------------------------
[Version] 1.03
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,ca,gr)
[Firmware No.] D0A45571E
[File Information]
 File Name        D0A45571E.fwu
 File Type        Module for Service
 Size             16.24 MB ( 17026436 byte )
[File Information]
 File Name        D0A45571E.rfu
 File Type        Module for Remote Upgrade
 Size             16.24 MB ( 17031424 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]

Rank C

Symptom corrected:
- "Select your country" on the initial setup screen has been
  corrected to "Select your country/region". (English/Chinese)

[Modification history]

Version 1.02
Rank C

Other changes:
- When condensation is detected inside the machine, instructions are
  displayed instead of an SC error message.

Version 1.01
Rank C

Other changes:
- When condensation is detected inside the machine, instructions are
  displayed instead of an SC error message.

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] Network Support
----------------------------------------------------------------
[Version] 17.27
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45572B
[File Information]
 File Name        D0A45572B.fwu
 File Type        Module for Service
 Size             12.14 MB ( 12732504 byte )
[File Information]
 File Name        D0A45572B.rfu
 File Type        Module for Remote Upgrade
 Size             12.15 MB ( 12738816 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/10
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
=============================================================================
*** Basic Information ***
=============================================================================
[Create date] 2019/10/10
-----------------------------------------------------------------------
[Program Name] Printer
-----------------------------------------------------------------------
[Version] 1.03
-----------------------------------------------------------------------
[PCB No.]
-----------------------------------------------------------------------
[Interchangeability] X / O
-----------------------------------------------------------------------
[Other Firmware Requirements] None
-----------------------------------------------------------------------
[PCB Requirements] None
-----------------------------------------------------------------------
[Software category] Normal Release
-----------------------------------------------------------------------
[Release category] Normal Release
-----------------------------------------------------------------------
[Program category] Firmware
-----------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45574F
[File Information]
 File Name        D0A45574F.fwu
 File Type        Module for Service
 Size           4.87 MB ( 5105136 byte )
[File Information]
 File Name        D0A45574F.rfu
 File Type        Module for Remote Upgrade
 Size           4.88 MB ( 5112064 byte )
[Availability of RFU] Yes
-----------------------------------------------------------------------
[Production reflection] 2019/09
-----------------------------------------------------------------------


=============================================================================
*** Note ***
=============================================================================
[Note]

-----------------------------------------------------------------------


=============================================================================
*** Important Notes ***
=============================================================================
[Important Notes]

-----------------------------------------------------------------------


=============================================================================
*** Modification History ***
```

```
========================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- If both Device Manager NX and Enhanced Locked Print NX v2 are
  installed, printing a job via Enhanced Locked Print NX v2 or
  logging out might fail.


```
--------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 1.02
Rank C

Symptom corrected:
- An IPDS form with a custom size might be missing from the Tray
  Form List in the IPDS menu on the WIM.

```
-----------------------------------------
```
Version 1.01
Rank C

Symptom corrected:
- If many jobs are stored through Enhanced Locked Print NX v2, the
  thumbnails of some of the jobs might not be displayed.
- A job might be printed out when trying to store it through
  Enhanced Locked Print NX v2.
- After storing a job, the free space remaining on the hard disk
  might be less than the lower limit set with the Configuration Tool
  of Enhanced Locked Print NX v2.
- The stored document name might be incorrect on the Enhanced Locked
  Print NX v2 screen if the job is stored from a computer running on Windows
  and "Hide extensions for known file types" in "Folder Options" is enabled.
- If the hard disk becomes full while storing a job through Enhanced
  Locked Print NX v2, the storing process might stall.
- If a job with an unknown username is stored through Enhanced Locked
  Print NX v2, subsequent jobs might not be stored.

Other changes:
- The pre-included version of ELP/CAP is updated to 1.5.100.
- The thumbnail creation method on Enhanced Locked Print NX v2
  has been revised.


```
-----------------------------------------
```
Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] PCL
----------------------------------------------------------------
[Version] 1.05
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45577B
[File Information]
 File Name       D0A45577B.fwu
 File Type       Module for Service
 Size            1.38 MB ( 1442144 byte )
[File Information]
 File Name       D0A45577B.rfu
 File Type       Module for Remote Upgrade
 Size            1.38 MB ( 1450240 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] IRIPS PS
----------------------------------------------------------------
[Version] 1.01
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45579B
[File Information]
 File Name        D0A45579B.fwu
 File Type        Module for Service
 Size             0.01 MB ( 1652 byte )
[File Information]
 File Name        D0A45579B.rfu
 File Type        Module for Remote Upgrade
 Size             0.01 MB ( 8448 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
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[Note]

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*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

===
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
==============================================================================
*** Basic Information ***
==============================================================================
[Create date] 2019/05/09
------------------------------------------------------------------------
[Program Name] IRIPS PDF
------------------------------------------------------------------------
[Version] 1.12
------------------------------------------------------------------------
[PCB No.]
------------------------------------------------------------------------
[Interchangeability] X / O
------------------------------------------------------------------------
[Other Firmware Requirements] None
------------------------------------------------------------------------
[PCB Requirements] None
------------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------------
[Program category] Firmware
------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D0A45581E
[File Information]
 File Name        D0A45581E.fwu
 File Type        Module for Service
 Size            2.80 MB ( 2937876 byte )
[File Information]
 File Name        D0A45581E.rfu
 File Type        Module for Remote Upgrade
 Size            2.81 MB ( 2945280 byte )
[Availability of RFU] Yes
------------------------------------------------------------------------
[Production reflection] 2019/04
------------------------------------------------------------------------


==============================================================================
*** Note ***
==============================================================================
[Note]

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==============================================================================
*** Important Notes ***
==============================================================================
[Important Notes]

------------------------------------------------------------------------


==============================================================================
*** Modification History ***
```

```
================================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- The minus sign (-) in a PDF file might not be printed via PDF Direct.


```
--------------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 1.11
Rank C

Symptom corrected:
- When printing a PDF file that contains downloaded fonts, an
  invalid font error might occur, and the print job might be canceled.
- A locked print job might not be stored on the machine if it is
  printed using PJL commands.
- Images might not appear as expected when printing a PDF file via AirPrint.
- PDF files that are generated by certain applications might not
  print via Direct Print.
- When printing a PDF file that contains circled letters or numbers,
  the circle itself might be distorted.


```
-----------------------------------------
```
Version 1.10
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/10/09
----------------------------------------------------------------
[Program Name] PDF
----------------------------------------------------------------
[Version] 1.03
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3EM5733B
[File Information]
 File Name       D3EM5733B.fwu
 File Type       Module for Service
 Size            4.28 MB ( 4490204 byte )
[File Information]
 File Name       D3EM5733B.rfu
 File Type       Module for Remote Upgrade
 Size            4.29 MB ( 4497664 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank C

Symptom corrected:
- SC899 might occur when direct printing a PDF file that contains
  JBIG2-compressed data.
- SC899 might occur when printing a webpage on Linux.

[Modification history]

Version 1.02
Rank C

Symptom corrected:
- If a PDF contains transparent images, printing might be canceled
  due to a lack of memory.
- Printing a PDF with a transparent image and a shaded image might
  take a long time due to memory release processing, and the shaded
  image might not be printed as expected.
- When printing a PDF file that contains transparent images via PDF
  Direct, the output might be distorted.
- When sending a fax via the SmartSDK, images might be missing or
  output at the wrong size.

Version 1.01
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/04
----------------------------------------------------------------
[Program Name] XPS
----------------------------------------------------------------
[Version] 1.11
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3EM5737
[File Information]
 File Name        D3EM5737.fwu
 File Type        Module for Service
 Size             1.97 MB ( 2061744 byte )
[File Information]
 File Name        D3EM5737.rfu
 File Type        Module for Remote Upgrade
 Size             1.97 MB ( 2068736 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/01
----------------------------------------------------------------
[Program Name] aics
----------------------------------------------------------------
[Version] 01.00.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3EM5759
[File Information]
 File Name       D3EM5759.fwu
 File Type       Module for Service
 Size          0.09 MB ( 98660 byte )
[File Information]
 File Name       D3EM5759.rfu
 File Type       Module for Remote Upgrade
 Size          0.10 MB ( 106752 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/11/25
----------------------------------------------------------------
[Program Name] System
----------------------------------------------------------------
[Version] 1.06
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5560G
[File Information]
 File Name       M0BQ5560G.fwu
 File Type       Module for Service
 Size            23.77 MB ( 24927324 byte )
[File Information]
 File Name       M0BQ5560G.rfu
 File Type       Module for Remote Upgrade
 Size            23.78 MB ( 24932608 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/11
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

===
[Modifications made:]
Rank C

Other changes:
- SC542-01 and SC552-01 (type A) are removed. SC546-00 and SC556-00
 (type D) are added for detecting the low voltage.
  This firmware is dependent on the following firmware modules,
  update them to the required version:
   - System v1.06 (M0BQ5560G) or later
   - Engine v1.09:12 (M0BQ5550F) or later

[Modification history]

Version 1.05
Rank C

Symptom corrected:
- SC569-01 or 02 may occur if the main switch is turned on when the
  new fusing unit is installed.
- If the SC545-00 occurs when the Installation Setting screen is
  displayed at startup, it is not possible to enter the SP mode, so
  the SC545-00 cannot be canceled.
- Color registration shift occurs.
- When JavaVM isn't installed, the SSL/TLS settings in the Security
  menu on the WIM can't be reflected in the SSL communication via
  port 51443.
- SC819 may occur if IC card reader is disconnected and connected
  during machine power ON.

Other changes:
- When the SP3-920-002 is set to "0" and SP5-930-001 is set to "1",
  if the temperature inside the machine is or less than 36 degrees
  Celsius, a control to improve the toner yield starts working.
- The following SP modes are added: SP1-921 to 922, SP2-104-010 to 012,
  SP6-030-001 to 003
- The following SP mode is added: SP2-201-206
- The default value of the Toner Call Threshold (SP5-507-081) is
  increased from 10% to 20% in order to prevent the machine from
  having the down time.

Version 1.04
Rank C

Symptom corrected:
- Black spots might appear on the display due to low voltage.

Version 1.03
Rank C

Symptom corrected:

- Wireless direct connection might fail in Group Owner Mode.

Version 1.02
Rank C

Other changes:
- When condensation is detected inside the machine, instructions are
  displayed instead of an SC error message.

Version 1.01
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/07/19
----------------------------------------------------------------
[Program Name] System
----------------------------------------------------------------
[Version] 1.04
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5560E
[File Information]
 File Name       M0BQ5560E.fwu
 File Type       Module for Service
 Size           23.77 MB ( 24927280 byte )
[File Information]
 File Name       M0BQ5560E.rfu
 File Type       Module for Remote Upgrade
 Size           23.78 MB ( 24932608 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/06
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

```
================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- Black spots might appear on the display due to low voltage.


```
------------------------------------------------------------------
```
[Modification history]
```
----------------------------------------
```
Version 1.03
Rank C

Symptom corrected:
- Wireless direct connection might fail in Group Owner Mode.


```
----------------------------------------
```
Version 1.02
Rank C

Other changes:
- When condensation is detected inside the machine, instructions are
  displayed instead of an SC error message.


```
----------------------------------------
```
Version 1.01
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/11/25
----------------------------------------------------------------
[Program Name] Engine
----------------------------------------------------------------
[Version] 1.09:12
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5550F
[File Information]
 File Name        M0BQ5550F.fwu
 File Type        Module for Service
 Size             0.94 MB ( 983540 byte )
[File Information]
 File Name        M0BQ5550F.rfu
 File Type        Module for Remote Upgrade
 Size             0.95 MB ( 991488 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/11
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------


================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank C

Other changes:
- SC542-01 and SC552-01 (type A) are removed. SC546-00 and SC556-00
  (type D) are added for detecting the low voltage.
  This firmware is dependent on the following firmware modules,
  update them to the required version:
   - System v1.06 (M0BQ5560G) or later
   - Engine v1.09:12 (M0BQ5550F) or later

[Modification history]

Version 1.08:12
Rank C

Symptom corrected:
- When feeding paper from an optional paper feed unit, a jam (J017)
  might occur.
- If the machine placed in a high voltage environment, it might
  misdetect unusual conditions 5 times consecutively and give SC541
  error.
- An alert stating that the waste toner level is almost full might
  appear earlier than expected.
- SC569-01may occur if the main switch is turned on when the new
  fusing unit is installed.
- When a non-paper feed jam occurred during a duplex printing job to
  a small size paper shorter than 215.9mm, the machine may not stop
  and the Jam21 may occur after two minutes.
- When a non-paper feed jam occurred under the following conditions,
  the machine may not stop and the Jam21 may occur after two minutes.
   - Paper feed direction: Short edge feed
   - Paper tray: Option tray
   - Printing mode: More than 3 sheets duplex printing job
- The estimated toner near-end status might come earlier than
  expected.
- SC995-03 may occur when the main switch is turned on.

Other changes:
- When the SP3-920-002 is set to "0" and SP5-930-001 is set to "1",
  if the temperature inside the machine is or less than 36 degrees
  Celsius, a control to improve the toner yield starts working.

Version 1.06:12
Rank C

Symptom corrected:
- Opening and closing the cover after doing the output check for the
  feed/fusing motor (SP5-804-013 to 22) might cause SC508 to occur.
- The PM Counter might be incorrect.

Version 1.05:12
Rank C

Symptom corrected:
- If the Inrush Control is enabled in SP1-135-001, a circuit breaker
  or UPS might cut off the power when the machine is turned on or
  wakes up from sleep mode due to the inrush current.

Version 1.04:12
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/05
----------------------------------------------------------------
[Program Name] PowerSaving Sys
----------------------------------------------------------------
[Version] 1.L3.21
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5563
[File Information]
 File Name       M0BQ5563.fwu
 File Type       Module for Service
 Size           4.00 MB ( 4194832 byte )
[File Information]
 File Name       M0BQ5563.rfu
 File Type       Module for Remote Upgrade
 Size           4.01 MB ( 4202752 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/07
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
==========================================================================
*** Basic Information ***
==========================================================================
[Create date] 2019/12/11
--------------------------------------------------------------------------
[Program Name] Network Support
--------------------------------------------------------------------------
[Version] 17.45
--------------------------------------------------------------------------
[PCB No.]
--------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5572D
[File Information]
 File Name        M0BQ5572D.fwu
 File Type        Module for Service
 Size            11.38 MB ( 11928864 byte )
[File Information]
 File Name        M0BQ5572D.rfu
 File Type        Module for Remote Upgrade
 Size            11.38 MB ( 11936000 byte )
[Availability of RFU] Yes
--------------------------------------------------------------------------
[Production reflection] 2019/12
--------------------------------------------------------------------------


==========================================================================
*** Note ***
==========================================================================
[Note]

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==========================================================================
*** Important Notes ***
==========================================================================
[Important Notes]

--------------------------------------------------------------------------


==========================================================================
*** Modification History ***
```

```
========================================================================
```

[Modifications made:]
Rank C

Symptom corrected:
- A vulnerability (CVE-2019-1559) to a Padding Oracle Attack on CBC encryption has been fixed. To activate this fix, CBC mode must be disabled after updating the firmware.
   - msh> set cbc down
   - msh> logout
   - Enter "yes" to save the changes.

```
--------------------------------------------------------------------------
```
[Modification history]
```
------------------------------------------
```
Version 17.44
Rank C

Symptom corrected:
- The DHCP address renewal request might be discarded when the DHCP
  server is configured as a failover cluster.
- When JavaVM isn't installed, the SSL/TLS settings in the Security
  menu on the WIM can't be reflected in the SSL communication via port 51443.


```
------------------------------------------
```
Version 17.43
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/09/30
----------------------------------------------------------------
[Program Name] Printer
----------------------------------------------------------------
[Version] 1.05
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5574C
[File Information]
 File Name      M0BQ5574C.fwu
 File Type      Module for Service
 Size          4.06 MB ( 4254784 byte )
[File Information]
 File Name      M0BQ5574C.rfu
 File Type      Module for Remote Upgrade
 Size          4.06 MB ( 4260096 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

===
[Modifications made:]
Rank C

Symptom corrected:
- If both Device Manager NX and Enhanced Locked Print NX v2 are installed,
  printing a job via Enhanced Locked Print NX v2 or logging out might fail.

Other changes:
- Device information can be checked via a USB connection.

[Modification history]

Version 1.04
Rank C

Symptom corrected:
- An IPDS form with a custom media type might be missing from the
  Tray Form List for Bypass Tray in the IPDS menu on the WIM.
- An IPDS form with a custom size might be missing from the Tray
  Form List in the IPDS menu on the WIM.

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/05
----------------------------------------------------------------
[Program Name] RPCS
----------------------------------------------------------------
[Version] 3.21.10
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5576
[File Information]
 File Name       M0BQ5576.fwu
 File Type       Module for Service
 Size           0.63 MB ( 665332 byte )
[File Information]
 File Name       M0BQ5576.rfu
 File Type       Module for Remote Upgrade
 Size           0.64 MB ( 672000 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/07
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/05
----------------------------------------------------------------
[Program Name] PCL
----------------------------------------------------------------
[Version] 1.01
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5577A
[File Information]
 File Name       M0BQ5577A.fwu
 File Type       Module for Service
 Size            1.38 MB ( 1443984 byte )
[File Information]
 File Name       M0BQ5577A.rfu
 File Type       Module for Remote Upgrade
 Size            1.38 MB ( 1450240 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/09/20
----------------------------------------------------------------
[Program Name] Network DocBox
----------------------------------------------------------------
[Version] 1.01
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5570B
[File Information]
 File Name       M0BQ5570B.fwu
 File Type       Module for Service
 Size          0.99 MB ( 1038552 byte )
[File Information]
 File Name       M0BQ5570B.rfu
 File Type       Module for Remote Upgrade
 Size          1.00 MB ( 1044736 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank C

Symptom corrected:
- The log time reported to the SmartSDK application might be wrong.
- When using the application for the Japanese market, the Job Log
  transfer settings might not be set correctly when importing the
  preference information from another device.

[Modification history]

Version 1.00
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/06
----------------------------------------------------------------
[Program Name] IRIPS PS
----------------------------------------------------------------
[Version] 1.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5579A
[File Information]
 File Name        M0BQ5579A.fwu
 File Type        Module for Service
 Size          0.01 MB ( 1656 byte )
[File Information]
 File Name        M0BQ5579A.rfu
 File Type        Module for Remote Upgrade
 Size          0.01 MB ( 8448 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

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================================================================
*** Modification History ***
```

==
[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/03/11
--------------------------------------------------------------------------
[Program Name] ID Card Scan and Copy
--------------------------------------------------------------------------
[Version] 1.2.10
--------------------------------------------------------------------------
[PCB No.]
--------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3CM5500J_forEDC
[File Information]
 File Name        D3CM5500J_forEDC.zip
 File Type        Module for Service
 Size          1.97 MB ( 2068311 byte )
[Availability of RFU] No
--------------------------------------------------------------------------
[Production reflection]
--------------------------------------------------------------------------


================================================================================
*** Note ***
================================================================================
[Note]

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================================================================================
*** Important Notes ***
================================================================================
[Important Notes]

--------------------------------------------------------------------------




================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank C
```

Other changes:
- Supported IM 350F/350/430F/430Fb.

[Modification history]

Version 1.2.9
Rank C

Other changes:
- Support for SMB v2/3.

Version 1.2.7
Other Change:
- Job Counter is implemented.

Version 1.2.5
Symptom corrected:
- When the mail server is set to Outlook for Office365 and "SSL for
  encrypted communication" is set to "On", the sending test fails.

Other changes:
- When a user logs in to the device and scans to folder using the
  "ID Card Scan and Copy" application, the user authentication dialog
  is displayed.

Version 1.2.3
Symptom corrected:
- When configuring the settings of ID Card Scan and Copy > SMTP Settings >
  Emailing Authentication to "Off", email might not be able to be sent.

Version 1.2.2
New model supported.

Symptom corrected:
A sent file becomes corrupt when the file format is set to PDF and
the display language is set to one of the following 18 languages:
- German
- French
- Italian
- Dutch
- Spanish
- Russian
- Brazilian Portuguese
- Swedish
- Danish
- Portuguese
- Norwegian

- Czech
- Hungarian
- Turkish
- Polish
- Finnish
- Catalan
- Greek

Version 1.2.0
Additional model information:
Support for the Model Lef-C1b.

Symptom corrected:
The destination folder setting cannot be configured if:
- The network environment is using NTLMv1.
- "Select items not from list." is chosen on the "Select destination"
  screen shown during startup.

Version 1.1.1
Other changes:
The application name has been changed from "ID Card Scan & Copy"
to "ID Card Scan and Copy".

Version 1.1.0
Other changes:
- Support for languages that are available on the device.

Version 1.0.0
Other changes:
- 1st mass production
- Initial release via the Application Site.

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/11
----------------------------------------------------------------
[Program Name] Shared Folder Print
----------------------------------------------------------------
[Version] 2.0.5
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3CM5501H_forEDC
[File Information]
 File Name        D3CM5501H_forEDC.zip
 File Type        Module for Service
 Size          6.15 MB ( 6446565 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C
```

Other changes:
- Supported IM 350F/350/430F/430Fb.

[Modification history]

Version 2.0.4
Rank C

Other changes:
- Support for SMB v2/3.

Version 2.0.3
Symptom Corrected:
- When a username with more than eight bytes logs in to the device
  under any user authentication environment, printing cannot be conducted.

Version 2.0.2
Symptom Corrected:
JPEG files cannot be printed or previewed when the display language
is set to one of the following 18 languages:
- German
- French
- Italian
- Dutch
- Spanish
- Russian
- Brazilian Portuguese
- Swedish
- Danish
- Portuguese
- Norwegian
- Czech
- Hungarian
- Turkish
- Polish
- Finnish
- Catalan
- Greek

Version 2.0.1
Symptom corrected:
- When an application is used on the Model CH-C2 with a cover feeder option,
  the application might close unexpectedly.

Version 2.0.0
Specification Change:
Introduced support for the following:

- Setting the printing conditions per document.
- Finishing with stapling, punching, booklet, and folding.
- Linux OS.
- User code authentication.

Version 1.1.1
Symptom corrected:
- When launching Shared Folder Print, the application boot counter
  is displayed.

Version 1.1.0
Other changes:
- Support for languages that are available on the device.

Version 1.0.0
Other changes:
- 1st mass production
- Initial release via the Application Site.

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/11
----------------------------------------------------------------
[Program Name] ID Card Copy
----------------------------------------------------------------
[Version] 1.10.5
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3CM5506B_forEDC
[File Information]
 File Name        D3CM5506B_forEDC.zip
 File Type        Module for Service
 Size            4.73 MB ( 4960957 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------



================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C
```

Other changes:
- Supported IM 350F/350/430F/430Fb.

[Modification history]

Version 1.10.4
Other Changes:
- Job Counter is implemented.

Version 1.10
Other changes:
- 1st mass production
- Initial release via the Application Site.

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/03/11
------------------------------------------------------------------------
[Program Name] Scan to Folder Helper
------------------------------------------------------------------------
[Version] 1.10.5
------------------------------------------------------------------------
[PCB No.]
------------------------------------------------------------------------
[Interchangeability] X / O
------------------------------------------------------------------------
[Other Firmware Requirements] None
------------------------------------------------------------------------
[PCB Requirements] None
------------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------------
[Program category] Firmware
------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3CM5507C_forEDC
[File Information]
 File Name        D3CM5507C_forEDC.zip
 File Type        Module for Service
 Size          3.55 MB ( 3723222 byte )
[Availability of RFU] No
------------------------------------------------------------------------
[Production reflection]
------------------------------------------------------------------------


================================================================================
*** Note ***
================================================================================
[Note]

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*** Important Notes ***
================================================================================
[Important Notes]

------------------------------------------------------------------------


================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank C
```

Other changes:
- Supported IM 350F/350/430F/430Fb.

[Modification history]

Version 1.10.4
Rank C

Other changes:
- Support for SMB v2/3.

Version 1.10.2
Other Changes:
- Job Counter is implemented.

Version 1.10
Specification changes:
1. Added support for including user code authentication when conducting
   destination information sheet printing on all applicable devices
   except for the MP C306 and C406.
2. Support for Korean.
3. Support for Thai.
4. Added support for the hardware ten-key pad.
5. Removed a Menu key.

Symptom corrected:
- When the back button on the main screen of an application is pressed,
  the application is not exited.

Other changes:
- Support for installing from the Application Site.

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/09/17
----------------------------------------------------------------
[Program Name] ID Card Scan and Copy
----------------------------------------------------------------
[Version] 2.0.1
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3CM5513A_forEDC
[File Information]
 File Name        D3CM5513A_forEDC.zip
 File Type        Module for Service
 Size          5.86 MB ( 6147288 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------



================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C
```

Symptom corrected:
- A problem that address book users with a specific name could not
  be set as destinations in ID Card Scan and Copy apps was corrected.
- A problem that preference of ID Card Scan and Copy apps were not
  exported when exporting device preferences was corrected.

Other changes:
- Supported Arabic.

[Modification history]

Version 2.0.0
Rank D

Initial release

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/03/05
----------------------------------------------------------------------
[Program Name] Bank1_DENIS
----------------------------------------------------------------------
[Version] 01.000:01
----------------------------------------------------------------------
[PCB No.] D3EQ5150B
----------------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3EQ5260A_BANK1
[File Information]
 File Name       D3EQ5260A_BANK1.fwu
 File Type       Module for Service
 Size          0.13 MB ( 131572 byte )
[Availability of RFU] No
----------------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------------


================================================================================
*** Note ***
================================================================================
[Note]

----------------------------------------------------------------------




================================================================================
*** Important Notes ***
================================================================================
[Important Notes]

----------------------------------------------------------------------




================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/09/17
----------------------------------------------------------------
[Program Name] ID Card Copy
----------------------------------------------------------------
[Version] 2.0.1
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3CM5519A_forEDC
[File Information]
 File Name        D3CM5519A_forEDC.zip
 File Type        Module for Service
 Size             8.27 MB ( 8672953 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------



================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank C
```

Other changes:
- Supported Arabic.

[Modification history]

Version 2.0.0
Rank D

Initial release

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/05
----------------------------------------------------------------
[Program Name] Bank2_DENIS
----------------------------------------------------------------
[Version] 01.000:01
----------------------------------------------------------------
[PCB No.] D3EQ5150B
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3EQ5260A_BANK2
[File Information]
 File Name       D3EQ5260A_BANK2.fwu
 File Type       Module for Service
 Size           0.13 MB ( 131572 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------



================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/05
----------------------------------------------------------------
[Program Name] Bank3_DENIS
----------------------------------------------------------------
[Version] 01.000:01
----------------------------------------------------------------
[PCB No.] D3EQ5150B
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3EQ5260A_BANK3
[File Information]
 File Name      D3EQ5260A_BANK3.fwu
 File Type      Module for Service
 Size          0.13 MB ( 131572 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------



================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/03/05
--------------------------------------------------------------------------
[Program Name] Bank1_ELBA
--------------------------------------------------------------------------
[Version] 01.000:01
--------------------------------------------------------------------------
[PCB No.] D3ER5150B
--------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3ER5260A_BANK1
[File Information]
 File Name        D3ER5260A_BANK1.fwu
 File Type        Module for Service
 Size            0.13 MB ( 131572 byte )
[Availability of RFU] No
--------------------------------------------------------------------------
[Production reflection] 2018/06
--------------------------------------------------------------------------


================================================================================
*** Note ***
================================================================================
[Note]

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================================================================================
*** Important Notes ***
================================================================================
[Important Notes]

--------------------------------------------------------------------------



================================================================================
*** Modification History ***
================================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/05
----------------------------------------------------------------
[Program Name] Bank2_ELBA
----------------------------------------------------------------
[Version] 01.000:01
----------------------------------------------------------------
[PCB No.] D3ER5150B
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3ER5260A_BANK2
[File Information]
 File Name        D3ER5260A_BANK2.fwu
 File Type        Module for Service
 Size             0.13 MB ( 131572 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

----------------------------------------------------------------



================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/05
----------------------------------------------------------------
[Program Name] Bank3_ELBA
----------------------------------------------------------------
[Version] 01.000:01
----------------------------------------------------------------
[PCB No.] D3ER5150B
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3ER5260A_BANK3
[File Information]
 File Name        D3ER5260A_BANK3.fwu
 File Type        Module for Service
 Size          0.13 MB ( 131572 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 2018/06
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/06
----------------------------------------------------------------
[Program Name] Java VM v12 for eDC
----------------------------------------------------------------
[Version] 12.63.00
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3EM5750A_edc
[File Information]
 File Name        D3EM5750A_edc.ifu
 File Type        Module for Service
 Size          64.02 MB ( 67133224 byte )
[Availability of RFU] No
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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================================================================
*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------



================================================================
*** Modification History ***
================================================================
[Modifications made:]
Rank D
```

1st Mass production

[Modification history]

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/03/06
--------------------------------------------------------------------------
[Program Name] Java VM v12 UpdateTool
--------------------------------------------------------------------------
[Version] 12.63.00
--------------------------------------------------------------------------
[PCB No.]
--------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D3EM5750A_upd
[File Information]
 File Name         D3EM5750A_upd.exe
 File Type         Module for Service
 Size          63.71 MB ( 66809098 byte )
 Check Sum -8Bit Sum: D776
        -16Bit Sum(Little Endian): 5339
        -16Bit Sum(Big Endian): FA3D
[Availability of RFU] No
--------------------------------------------------------------------------
[Production reflection] 1st Mass Production
--------------------------------------------------------------------------


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*** Note ***
================================================================================
[Note]

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*** Important Notes ***
================================================================================
[Important Notes]

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================================================================================
*** Modification History ***
================================================================================
```

[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
===============================================================
*** Basic Information ***
===============================================================
[Create date] 2019/09/30
---------------------------------------------------------------
[Program Name] IRIPS PDF
---------------------------------------------------------------
[Version] 1.05
---------------------------------------------------------------
[PCB No.]
---------------------------------------------------------------
[Interchangeability] X / O
---------------------------------------------------------------
[Other Firmware Requirements] None
---------------------------------------------------------------
[PCB Requirements] None
---------------------------------------------------------------
[Software category] Normal Release
---------------------------------------------------------------
[Release category] Normal Release
---------------------------------------------------------------
[Program category] Firmware
---------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M0BQ5581E
[File Information]
 File Name        M0BQ5581E.fwu
 File Type        Module for Service
 Size         2.83 MB ( 2964224 byte )
[File Information]
 File Name        M0BQ5581E.rfu
 File Type        Module for Remote Upgrade
 Size         2.83 MB ( 2969856 byte )
[Availability of RFU] Yes
---------------------------------------------------------------
[Production reflection] 2019/09
---------------------------------------------------------------


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*** Note ***
===============================================================
[Note]

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*** Important Notes ***
===============================================================
[Important Notes]

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*** Modification History ***
```

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[Modifications made:]
Rank C

Symptom corrected:
- SC899 might occur when printing a PDF file that contains downloaded fonts.
- When File System Operation is permitted for PDF and PostScript,
  some directories that should not be accessed might become accessible.
- If the font information of a PDF file is stored inside a Stream object,
  an invalid font error might occur, and the file might not print correctly.
- An image containing axial shading might not print as expected.

[Modification history]

Version 1.04
Rank C

Symptom corrected:
- Particular PDF file cannot be printed if PDF/PS is prohibited.

Version 1.03
Rank C

Symptom corrected:
- The minus sign (-) in a PDF file might not be printed via PDF Direct.

Version 1.02
Rank D

1st Mass production

```
========================================================================
*** Basic Information ***
========================================================================
[Create date] 2019/08/27
------------------------------------------------------------------------
[Program Name] Option IPDS
------------------------------------------------------------------------
[Version] 8.804
------------------------------------------------------------------------
[PCB No.]
------------------------------------------------------------------------
[Interchangeability] X / O
------------------------------------------------------------------------
[Other Firmware Requirements] None
------------------------------------------------------------------------
[PCB Requirements] None
------------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------------
[Program category] Firmware
------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M5435712
[File Information]
 File Name      M5435712.fwu
 File Type      Module for Service
 Size          8.98 MB ( 9418824 byte )
[File Information]
 File Name      M5435712.rfu
 File Type      Module for Remote Upgrade
 Size          8.99 MB ( 9425152 byte )
[Availability of RFU] Yes
------------------------------------------------------------------------
[Production reflection] 1st Mass Production
------------------------------------------------------------------------


========================================================================
*** Note ***
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[Note]

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*** Important Notes ***
========================================================================
[Important Notes]

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========================================================================
*** Modification History ***
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[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
==================================================================
*** Basic Information ***
==================================================================
[Create date] 2019/03/05
------------------------------------------------------------------
[Program Name] PS3
------------------------------------------------------------------
[Version] 1.00
------------------------------------------------------------------
[PCB No.]
------------------------------------------------------------------
[Interchangeability] X / O
------------------------------------------------------------------
[Other Firmware Requirements] None
------------------------------------------------------------------
[PCB Requirements] None
------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------
[Program category] Firmware
------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M5435731
[File Information]
 File Name      M5435731.fwu
 File Type      Module for Service
 Size          0.01 MB ( 1352 byte )
[File Information]
 File Name      M5435731.rfu
 File Type      Module for Remote Upgrade
 Size          0.01 MB ( 8448 byte )
[Availability of RFU] Yes
------------------------------------------------------------------
[Production reflection] 1st Mass Production
------------------------------------------------------------------


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*** Note ***
==================================================================
[Note]

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*** Important Notes ***
==================================================================
[Important Notes]

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==================================================================
*** Modification History ***
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[Modifications made:]
Rank D

1st Mass production

[Modification history]

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/09/30
----------------------------------------------------------------
[Program Name] PDF
----------------------------------------------------------------
[Version] 1.02
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M5435733B
[File Information]
 File Name        M5435733B.fwu
 File Type        Module for Service
 Size            4.30 MB ( 4511020 byte )
[File Information]
 File Name        M5435733B.rfu
 File Type        Module for Remote Upgrade
 Size            4.31 MB ( 4518144 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

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*** Modification History ***
```

===
[Modifications made:]
Rank C

Symptom corrected:
- When printing a PDF file that contains transparent images via PDF Direct,
  the output might be distorted.
- SC899 might occur when direct printing a PDF file that contains
  JBIG2-compressed data.
- SC899 might occur when printing a webpage on Linux.
- Printing a PDF with a transparent image and a shaded image might
  take a long time due to memory release processing, and the shaded
  image might not be printed as expected.

[Modification history]

Version 1.01
Rank D

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/03/05
----------------------------------------------------------------
[Program Name] XPS
----------------------------------------------------------------
[Version] 1.18
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] M5435737
[File Information]
 File Name       M5435737.fwu
 File Type       Module for Service
 Size            1.97 MB ( 2064876 byte )
[File Information]
 File Name       M5435737.rfu
 File Type       Module for Remote Upgrade
 Size            1.98 MB ( 2072832 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 1st Mass Production
----------------------------------------------------------------


================================================================
*** Note ***
================================================================
[Note]

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*** Important Notes ***
================================================================
[Important Notes]

----------------------------------------------------------------


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*** Modification History ***
```

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[Modifications made:]
Rank D

1st Mass production

[Modification history]