# Release Notes - Zebra MC18 Android L - Update 04 Release

# Contents

# Description

This release contains the following software package which is compatible with the MC18 product.

Hotfix patches are cumulative and include all previous fixes that are part of earlier patch releases.

1. **CFE v4 Updates:**
   ❖ CFE-MC18N0-L-XX-020902-N-00-04.zip

   This CFE is applicable for 02-09-02-L-V0-M1 OS version.

   - SPR33299/SPR33444 - Resolved an issue wherein the device was not charged/powering off while in cradle.
   - SPR34184 - Resolved an issue wherein the Red LED Illumination beam gets stuck while using Scan Application.
   - SPR34368 - Resolved an issue wherein the Apps persist and storage memory was getting low on every reboot after ER/FR.
   - SPR33973 - Fixed an issue wherein scanner beam stuck off when pressing scanner button.
   - SPR34529 - Resolved an issue wherein the device reboot after a long pressing scanner button.
   - SPR32700/SPR34548 - Fixed an issue wherein the 802.11n MCS data rates were disabled to avoid interoperability issue.

   - Updated below mentioned Components:
     - DataWedge – Version 6.7.47
     - Scanner Framework – Version 18.10.15.00

## 2. CFE v3 Updates:
   ❖ CFE-MC18N0-L-XX-020902-N-00-03.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.

### 1. Android Security Patch Level: 2018-03-05.
Use the below link to see the Android Security bulletin for more information:
https://source.android.com/security/bulletin/

The CFE Package 'CFE-MC18N0-L-XX-020902-N-00-03.zip' includes the following fixes:

- Spectre & Meltdown correction for variant 2.
- Updated below mentioned TUT components:
  - o MXMF – Version 7.2.0.6
  - o DataWedge – Version 6.7.34
  - o EMDK – Version 6.8.20.1120
  - o Staging Client – Version 2.10.1.1386
  - o File Browser – Version 1.19.1.2

- SPR33138 - Resolved an issue wherein audio tool was not working on MC18 L due to permission issue.
- SPR33537 - Resolved an issue wherein the device appears to be powering off while in cradle.
- SPR33538 - Resolved an issue wherein scanner beam stuck off when pressing scanner button.
- SPR33639 – Resolved an issue wherein the device stops emitting scan beam after waking up from suspend.


## 3. CFE v2 Updates:
   ❖ CFE-MC18N0-L-XX-020902-N-00-02.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.

### 1. Android Security Patch Level: 2017-12-05.

Use the below link to see the Android Security bulletin for more information:
https://source.android.com/security/bulletin/

The CFE Package 'CFE-MC18N0-L-XX-020902-N-00-02.zip' includes the following fixes:

- Updated below mentioned TUT components:
  - o MXMF – Version 7.1.1.0
  - o DataWedge – Version 6.6.49
  - o EMDK – Version 6.7.10.1010
  - o Staging Client – Version 2.9.1.1344

- SPR33233 - Resolved an issue wherein the DataWedge 6.2.24 could not replace separator or non-printable ascii character with $.
- SPR32463 - Resolved an issue wherein the StageNow File Manager downloads frequently fails due to Socketimeout exception.
- SPR32676 - Resolved an issue wherein DataWedge crashes due to velocity application profile creation.


## 4. CFE v1 Updates:
   ❖ CFE-MC18N0-L-XX-020902-N-00-01.zip

This CFE is applicable for 02-09-02-L-V0-M1 OS version.

1. **Android Security Patch Level**: 2017-07-05.

Use the below link to see the Android Security bulletin for more information:
https://source.android.com/security/bulletin/

The CFE Package 'CFE-MC18N0-L-XX-020902-N-00-01.zip' includes the following fixes:

- Corrections for KRACK vulnerabilities applied.
- SPR33137 – Updated EB v1.7.1
- SPR31340 -- Added support to enable/disable Network Monitoring Notification.
- SPR32731 -- Resolved an issue wherein EMDK crash was observed.

# Device Compatibility

This software release has been approved for Android MC18 models mentioned below.

| Device | Operating System |
|--------|------------------|
| MC18 | Android 5.1.1 |

# Component Contents

| Component / Description | Version |
|------------------------|---------|
| Product Build Number | 02-09-02-L-V0-M1 |
| Android Version | 5.1.1 |
| Device Patch Version | 4 |
| Wi-Fi | FUSION_A_5.00.0.0.026 |

# Installation Requirements

- The Software update requires SKU hardware device.
- Enterprise Reset and Factory Reset package files are available on the MC18 Software Download section on Zebra.com.

# Installation Instructions

BEFORE UPDATING THE OS IMAGE, EXTERNAL POWER MUST BE APPLIED TO THE TERMINAL VIA USB CHARGING CABLE OR CRADLE.

PLEASE ENSURE BATTERY LEVEL IS > 30%

**CFE software update procedure for MC18:**

1. **OS Recovery Update Package (USB method)**

   1. Connect the USB cable from your PC to the device

   2. The internal SD card of MC18 may be seen on your PC as mounted drive MC18N0.

   3. Copy the recovery update zip file to the root folder on internal SD card

   4. Remove USB cable from PC

5. Place device in cradle.

6. While the device is in cradle, press and hold scan button for approximately 10 seconds, while in cradle to reboot the terminal. Unit will power off at this point. Release the Scan button then again, press the scan button briefly and release it, and device will start powering on.

7. Keep holding down scan trigger immediately after the devices powers on in prior step.

8. When Android logo appears on the screen release scan trigger (Note: If the terminal is in cradle and the trigger is pressed for more than 10 seconds it will power off. So, in step above, ensure to remove the trigger as soon as the android logo appears).

9. Navigation in the recovery menu is as follows -> Tap on the screen to switch through the options/files -> Press scan trigger to select an option/file.

10. Select "apply update from On Device Storage".

11. Select the zip file package on /sdcard that you want to update to.

12. When update is complete, select "reboot system now".

2. **Process through adb sideload**:

1. Connect the USB cable from your PC to the device.

2. Go to PC's Command Prompt, type "adb devices" you should get you connected device in the list with key.

3. Enter "adb reboot recovery" from Command Prompt

4. Touch the screen to navigate to the "apply update from ADB" option.

5. Click on HOME key to select the option.

6. On device, once you get the message, "Now send the package…", enter adb sideload add space at the end, then drag and drop the zip file CFE-MC18N0-L-XX-020902-N-00-03.zip from PC's Command Prompt.

7. Once you get highlighted "reboot system now", Click on HOME key to reboot the device.

After installation completed, goto Settings to check CFE package installed correctly:

a. Settings-> About Device-> SW components-> Device Patch Version: 4

b. ADB Shell method: Execute following command from PC's command prompt:

$ adb shell getprop ro.device.patch.version

$ 4

# Downloadable Software Included in this Release

| Filename | Description |
|---|---|
| CFE-MC18N0-L-XX-020902-N-00-04.zip | CFE v4 package update software |

Last Revised:  <09-05-2018>