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# Release Notes - Zebra TC8000 Android L NGMS FIPS – LifeGuard Update 08 Release

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## Description

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This release contains the following software package which is compatible with the TC8000 NGMS FIPS product.

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

### 1. CFE v8 Updates:

❖ CFE-TC8000-L-F0-021002-N-00-08.zip (NGMS FIPS)

❖ **Android Security Patch Level:** March 05, 2018

Use the below link to see the Android Security bulletin for more information:

<https://source.android.com/security/bulletin/>

- Spectre & Meltdown correction for variant 1 and variant 2
- SPR33599 – Resolved an issue wherein few of the system applications are getting disabled after enabling whitelist.
- SPR33799 - Resolved an issue wherein scanner was unable to read '\n' and '\r'.
- SPR33930 - Resolved an issue wherein dhcp address was not acquired by the device, while hostname is greater than 32 characters.
- SPR33823 - Resolved an issue wherein black screen occurred in DataWedge application.
- SPR33674- Resolved a flash corruption issue with multiple symptoms like unable to turn on WIFI.
- SPR33973- Resolved an issue wherein erroneously loading default profile by providing feature to ignore disabled profiles in DataWedge.
- SPR33671- Resolved an issue wherein user was unable to create WIFI profile with username as backslash followed by number.
- Updated below mentioned components:
  - Datawedge: 6.7.47
  - StageNow: 2.10.1.1389
  - EMDK: 6.8.21.1121

- MX: 7.2.1.0
- File Browser: 1.19.12
- Diagnostic Tool: 1.15.0.11
- Scanner Framework: 19.9.35.0
- Radio: 2.00.0.0.009
- Bluetooth: 01.12.00

## Device Compatibility

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This software release has been approved for Android TC8000 L models mentioned below.

Device	Operating System
TC80N0-A000K110NA	Android 5.1.1
TC80N0-1000K210NA	Android 5.1.1
TC80N0-2000K210NA	Android 5.1.1
TC80N0-3000K210NA	Android 5.1.1
TC80N0-A001K31CNA	Android 5.1.1
TC80N0-1001K31CNA	Android 5.1.1
TC80N0-2001K31CNA	Android 5.1.1
TC80N0-3001K31CNA	Android 5.1.1
TC80NH-A101K320NA	Android 5.1.1
TC80NH-1101K420NA	Android 5.1.1
TC80NH-2101K420NA	Android 5.1.1
TC80NH-3101K420NA	Android 5.1.1
TC80N0-1101K42ENA	Android 5.1.1
TC80N0-A000K110IN	Android 5.1.1
TC80N0-1000K210IN	Android 5.1.1
TC80N0-2000K210IN	Android 5.1.1
TC80N0-3000K210IN	Android 5.1.1
TC80N0-A001K31CIN	Android 5.1.1
TC80N0-1001K31CIN	Android 5.1.1
TC80N0-2001K31CIN	Android 5.1.1
TC80N0-3001K31CIN	Android 5.1.1
TC80NH-A101K320IN	Android 5.1.1
TC80NH-1101K420IN	Android 5.1.1
TC80NH-2101K420IN	Android 5.1.1
TC80NH-3101K420IN	Android 5.1.1
TC80N0-1101K42EIN	Android 5.1.1
TC80NH-2101K42ENA	Android 5.1.1
TC80NH-2101K42EIN	Android 5.1.1
TC80NH-1102K420NA	Android 5.1.1
TC80NH-3102K420NA	Android 5.1.1
TC80NH-1102K420IN	Android 5.1.1
TC80NH-3102K420IN	Android 5.1.1
TC80NH-1101K42ENA	Android 5.1.1
TC80NH-1101K42EIN	Android 5.1.1

## Component Contents

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Component / Description	Version
Product Base Build Number	02-10-02-L-00-A
Zebra Patch Version	8
Android Version	5.1.1
Wi-Fi	FUSION_QA_2.00.0.0.016
SimulScanDemo	3.0.2
SimulScanRes	2.0.2

## Installation Requirements

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- The Software update requires SKU hardware device.
- Enterprise Reset and Factory Reset package files are available on the TC8000 Software Download section on Zebra.com

## Installation Instructions

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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 TC8000 NGMS:

1. Connect the USB cable from your PC to the device and enable USB mass storage mode on the device.
2. On your PC you should see an internal and external USB mass storage drive (SD card) appears in the File Explore and copy " **CFE-TC8000-L-F0-021002-N-00-08.zip**" file to any storage.
3. Press and hold on the device Power button, click on power off and wait until the screen is turned OFF.
4. Press and hold power, Vol+ button and Scanner button.
5. Keep holding all three buttons until the device vibrates.
6. Device should enter recovery mode.
7. if applying update via Sideload Method
  - a. Use the Volume + and – to highlight, “Apply update from ADB” and press the Scanner Key to select it
  - b. With your Command Prompt open in the Host machine, type “adb sideload” command and add a space and then drag and drop the CFE on to it and click enter.

- c. Your PC screen will show files being installed and a little blue horizontal progress bar on your device will show status... and after about 6~ minutes it should be done and you should be back at the Android Recovery screen.
  - d. *“Reboot system now”* is highlighted. Press the Scanner Key to Reboot.
8. If applying update via SD card.
- a. Click on Vol+ or Vol- to navigate and select SD card or internal storage. Press Scanner button to select it.
  - b. Click on Vol+ or Vol- to navigate to the recovery update zip file.
  - c. Click on Scanner button to select and start the recovery update process.
  - d. Device will automatically reboot and will be ready to use.
9. To Check the Android Patch Level after installing the CFE package in the device,
- a. Settings->About Device->SW Components: Device Patch Version: 8
  - b. ADB Shell method: Execute following command from PC's command prompt:  

```
$ adb shell getprop ro.device.patch.version
$ 8
```
10. Now you are all set to use your **TC8000**.

## Downloadable Software Included in this Release

Filename	Description
<b>CFE-TC8000-L-F0-021002-N-00-08.zip</b>	OTA incremental CFE v8 update software for NGMS FIPS build

Last Revised: <04-25-2018>