Release Notes – Zebra TC20 and TC25 Android N LifeGuard Update 03 for BSP 04-14-30-0-NG-00-M1 (GMS)

Contents

Description

This release contains the following software package which is compatible with the TC20 and TC25 GMS products.

1. CFE v3 Updates:

❖ CFE-TC2X-N-XX-041430-G-00-03.zip (GMS)

1. **Android Security Patch Level**: July 01, 2018

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

- o Updated below mentioned components:
  - MXMF – Version 8.0.1.2
  - DataWedge – Version 6.8.54
  - EMDK – Version 6.9.16.1216
  - StagingClient – Version 3.0.1.1038
  - File Browser --1.19.1.5
  - DDT -- 1.15.0.14
- o SPR34716 - Resolved an issue wherein the MX was getting killed by Backup manager and didn't restart properly.
- o SPR34145 - Resolved an issue wherein indexing of the WEP key was not handled correctly.

o SPR34429 - Resolved an issue wherein failed to emit scan beam if the application was launched during device suspend.

2. CFE v2 Updates:

❖ CFE-TC2X-N-XX-041430-G-00-02.zip (GMS)

1. **Android Security Patch Level**: June 01, 2018

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

o Updated below mentioned components:
- MXMF – Version 8.0.0.10
- DataWedge – Version 6.8.50
- EMDK – Version 6.9.16.1216
- StagingClient – Version 3.0.1.1037
- File Browser --1.19.1.5
- DDT -- 1.15.0.14
o SPR33671 - Resolved an issue wherein user was unable to create WIFI profile with username as backslash followed by number
o SPR34267 - Resolved an issue wherein the device was failed to enable USB debugging when a barcode was scanned.
o SPR33862 - Resolved an issue wherein the Screen Time off settings using Display manager CSP was not working.
o SPR34145 - Resolved an issue wherein indexing of the WEP key was not handled correctly.
o SPR33973 - Resolved an issue wherein erroneously loading default profile by providing feature to ignore disabled profiles in DataWedge
o SPR33848 - Added support to included category field in intent profile in StageNow.
o SPR34189 - Resolved an issue wherein low ram and oom limit adjustments to provide more free memory.
o SPR33639 - Resolved an issue wherein the customer app install and launch during device sleep state and device stop emitting scan beam after awake from suspend.
o SPR33876 - Resolved an issue wherein Display Timeout was unable set via StageNow
o SPR33607 - Resolved an issue where few fresh devices were unable to stage after unbox the device.
o SPR33538 - Resolved an issue wherein the Scanner beam stuck off and No LED beam while pressing scanner button.
o SPR33977 - Resolved an issue wherein Time Zone setting through StageNow profile was not working.
o SPR33981 - Resolved an issue Czech Republic Regulatory Country could not be set using Wifi config profile.
o SPR33799 – Resolved an issue wherein DataWedge was sending char 10 instead of char 13.
o SPR34858 – Resolved as issue wherein incorrect retry count was being shown when incorrect SIM PIN was entered on certain SIM cards.
o SPR31491- Resolved an issue wherein device not able to stage devices from manufacturing with StageNow.

Device Compatibility

This software release has been approved for Android TC20 Nougat GMS models mentioned below.

Device	Operating System
TC200J-10C112A6	Android N GMS ROW – EMEA, LATAM, APAC & Canada
TC200J-10C112US	Android N GMS US Only
TC200J-10A111US	Android N GMS US Only
TC200J-10A111A6	Android N GMS ROW – EMEA, LATAM, APAC & Canada
TC200J-10C213A6	Android N GMS ROW – EMEA, LATAM, APAC & Canada (Premium SKU)
TC200J-10C213US	Android N GMS US Only (Premium SKU)
TC200J-10A111TN	Android N GMS TUNISIA Only
TC200J-10C112TN	Android N GMS TUNISIA Only
TC200J-10C213IA	Android N GMS INDIA (Premium SKU)
TC200J-10C112IA	Android N GMS INDIA
TC200J-10A111IA	Android N GMS INDIA
TC200J-1KC111A6	Android N GMS ROW EMEA, LATAM, APAC & Canada (Keyboard SKU)
TC200J-1KC111IA	Android N GMS INDIA (Keyboard SKU)
TC200J-1KC111TN	Android N GMS TUNISIA (Keyboard SKU)
TC200J-1KC111US	Android N GMS US (Keyboard SKU)

This software is also approved for Android TC25 Nougat GMS models mentioned below

Device	Operating System
TC25AJ-10C102A6	Android N GMS ROW – EMEA
TC25AJ-10B101A6	Android N GMS ROW – EMEA
TC25BJ-10C102A6	Android N GMS ROW – EMEA & APAC
TC25BJ-10B101A6	Android N GMS ROW – EMEA & APAC
TC25BJ-10C102IA	Android N GMS ROW - INDIA
TC25BJ-10B101IA	Android N GMS ROW - INDIA
TC25BJ-10C102BR	Android N GMS ROW - BRAZIL
TC25BJ-10B101BR	Android N GMS ROW - BRAZIL

TC25BJ-10C102TN	Android N GMS ROW - TUNISIA
TC25BJ-10B101TN	Android N GMS ROW - TUNISIA
TC25BJ-10C102JP	Android N GMS ROW - JAPAN
TC25BJ-10B101JP	Android N GMS ROW - JAPAN
TC25AJ-10C102US	Android N GMS NORTH AMERICA - US
TC25AJ-10B101US	Android N GMS NORTH AMERICA - US
TC25BJ-10B101ID	Android N GMS ROW - INDONESIA
TC25BJ-10C102ID	Android N GMS ROW - INDONESIA

Component Contents/Updates

Component / Description	Version
Product Build Number	04-14-30-0-NG-00-M1-U03-STD
Device Patch Version	3
Android Version	7.1.2
Wi-Fi	FUSIONLITE_QA_1_0.0.0.017_N

Installation Requirements

HW Requirements
- Windows PC running Windows 7/10 32/64 bits
- USB Type C Cable
- Micro SD Card with at least 2GB capacity (optional)

SW Requirements

Please make sure following components are installed on your computer before commencing OS installation.

- Zebra Android USB Driver V2.2 or higher
- Android Debug Bridge version 1.0.39 or higher
- TC20/TC25 GMS Android OS Release Images

Image Compatibility

To use this Update, the terminal must have the BSP 04-14-30-0-NG-00-M1 installed as the baseline OS.

Installation Instructions

Using the "adb sideload" method

Assumptions

1. ADB installed on PC
2. TC20/TC25 has Developer options enabled
3. USB debugging ON

Procedure

1. Plug the TC20/TC25 into the USB & Charging Cable and then the Cable to the PC. If you have a Cradle with USB connectivity, connect it now.
2. You may need to pull down notification bar, and tap on the notification which says, "USB charging this device", and change it to "Transfer files".
3. Open Command Prompt on PC, run "adb devices" and check to see if you can see the device's serial number… If yes, proceed… if not you will need to get the PC set up with the proper drivers or install an External SD Card.
4. You may also get a pop up on your PC (Win 7) that you will be connected as a Portable Media Player… this can be ignored.
5. Entering Recovery Mode
   a. Choice 1: In Command Prompt, type "adb reboot recovery" and click enter.
   b. Choice 2:
      i. Reboot and hold PTT key
      ii. When Zebra Technologies logo appears on the screen Release the PTT Key
6. Your TC20/TC25 will reboot and take you to Android Recovery screen.
7. To select Sideload Method
   a. Use the Volume + and – to highlight, "Apply update from ADB" and press the Power Key to select it
8. With your Command Prompt, open, type "adb sideload" and add a space and then drag and drop the zip file which you want to apply to the device and press enter.
   a. When the file download starts, the command window will show progress with a percentage completed.
   b. Device display will show a series of messages indicating it is downloading, verifying and installing the image on to the device.
9. After successful update, the device will auto reboot and you see Zebra on top and POWERED BY android at the bottom and after about 10 second will transition to the TC20/TC25 Touch Computer splash screen with 5 dancing white dots at bottom… it will stay at this screen for up to 4 minutes and then present the "Welcome Screen".
10. To make sure the OS Patch Update took place, once the initial setup is complete;
    a. Go to "Settings" and scroll down to "About phone" and look at the "Build number". It should state "04-14-30-0-NG-00-M1-U03-STD" and the Patch Version should indicate as "3".
11. Now you are all set to use your TC20/TC25.

Using External SD Card

1. Plug the TC20/TC25 into the USB & Charging Cable and then the Cable to the PC. If you have a Cradle with USB connectivity, connect it now.
2. You may need to pull down notification bar, and tap on the notification which says, "USB charging this device", and then change it to "Transfer files".
3. You may also get a pop up on your PC (Win 7) that you will be connected as a Portable Media Player… this can be ignored.
4. Copy the required files to the SD Card. This can be done in two ways
   a. Copy the files to the Micro SD card with the help of a SD Adapter which gets inserted to the SD slot of your PC/Laptop/SD Writer.
   b. Directly transfer files to the Micro SD card which is inserted in to the back of the device. Please refer to the user guide on how to open the back door and inserting the SD card to the device.
5. Entering Recovery Mode
   a. Choice 1: In Command Prompt, type "adb reboot recovery" and click enter.
   b. Choice 2:
      i. Reboot and hold PTT key
      ii. When Zebra Technologies logo appears on the screen Release the PTT Key
6. Your TC20/TC25 will reboot and take you to Android Recovery screen.
7. Applying update via External SD card
   a. Use the Volume + and – to highlight select option to "Apply update from SD card" and press the Power Key to select it
   b. Use the Volume + and – to highlight package to be installed (downloaded Zip file) and press the Power Key to select it.
8. After successful update, the device will auto reboot and you see Zebra on top and POWERED BY android at the bottom and after about 10 second will transition to the TC20/TC25 Touch Computer splash screen with 5 dancing white dots at bottom… it will stay at this screen for up to 4 minutes and then present the "Welcome Screen".
9. To make sure the OS Update took place, once the initial setup is complete;
   a. Go to "Settings" and scroll down to "About phone" and look at the "Build number". It should state "04-14-30-0-NG-00-M1-U03-STD" and the Patch Version should indicate as "3".
10. Now you are all set to use your TC20/TC25.

Downloadable Software Included in this Release

Filename	Description
CFE-TC2X-N-XX-041430-G-00-03.zip	OS Update LG patch for BSP 04-14-30-0-NG-00-M1

Last Revised: 07-06-2018