



Release Notes for Zebra TC20 and TC25 Android Oreo 01-28-07.00-ON-U18-STD Release (Non-GMS)

Highlights

The details of the Android Non-GMS Oreo release 01-28-07.00-ON-U18-STD that covers TC20/TC25. Please see, Device Compatibility under Addendum Section for more details.

Software Packages

| Package Name | Description |
|--|----------------------|
| IRIS_DELTA_UPDATE_01-28-07.00-ON-U18.zip | Delta Package Update |

Security Updates

This build is Compliant up to [Android Security Bulletin](#) of April 5 2021.

LifeGuard Update 18:

- This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.

| S.N. | Component | Version |
|------|--------------------|------------------|
| 1. | Mx version | 9.4.0.5 |
| 2 | MX Proxy Framework | 10.3.0.18 |
| 3 | OSx version | QCT_81_8.13.4.UL |
| 4 | Webview | 89.0.4389.90 |

LifeGuard Update 13:

- This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.

| S.N. | Component | Version |
|------|-------------|-----------------------------|
| 1. | OemInfo | 9.0.0.331 |
| 2. | Wifi | FUSIONLITE_QA_1_0.0.0.028_O |
| 3. | Radio | QA_1_00.0.0.022_O |
| 4. | Application | QA_1_00.0.0.009_O |
| 5. | Middleware | QA_1_00.0.0.014_O |

LifeGuard Update 11:

- This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.

| S.N. | Component | Version |
|------|-----------|---------------|
| 1. | WebView | 85.0.4183.101 |
| 2. | OemInfo | 9.0.0.282 |

Features

- Added support in OemInfo to allows customer applications and sideloaded applications to read BT MAC address

LifeGuard Update 09:

- This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.

| S.N. | Component | Version |
|------|------------------------------|-----------------|
| 1. | Android security patch level | October 5, 2020 |

LifeGuard Update 07:

- This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.

| S.N. | Component | Version |
|------|--------------------|------------|
| 1. | Scanning Framework | 23.1.9.1 |
| 2. | Zebra Data Service | 7.0.2.1047 |
| 3. | OemInfo | 9.0.0.198 |

Fixes

- SPR40287 – Added updates on feature dotcode bar-codes.

LifeGuard Update 05:

- This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.

| S.N. | Component | Version |
|------|--------------------|------------------|
| 1. | MX | 9.4.0.2 |
| 2. | Data Wedge | 7.3.34 |
| 3. | Stage Now-Client | 3.4.1.5 |
| 4. | EMDK for Android | 7.3.23.2323 |
| 5. | MX Proxy Framework | 10.0.1.1 |
| 6. | OSx | QCT.81.8.11.4.UL |

Fixes

- SPR40193/40250 – Resolved an issue wherein user was unable to power off the device by clicking on the Power menu item while automation suite was running on the device.

LifeGuard Update 03:

- This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.
 - FUSIONLITE_QA_1_0.0.0.027_O
Radio: QA_1_00.0.0.021_O
Application: QA_1_00.0.0.009_O
Middleware: QA_1_00.0.0.014_O

Fixes

- SPR39819 – Resolve an issue where EXTRA Enter was observed in app's multiline input field on scan the barcode with DW settings have set Action Key Char as "Line Feed".

LifeGuard Update 02:

- This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.
 - FUSIONLITE_QA_1_0.0.0.026_O
Radio: QA_1_00.0.0.020_O
Application: QA_1_00.0.0.009_O
Middleware: QA_1_00.0.0.013_O

Fixes

- SPR38643 – Added support for “Send Characters As Events” option.
- SPR38723 – Resolved an issue wherein the DST time zone for Sao Paolo was shown incorrect.

Version Information

Below Table contains important information on versions

| Description | Version |
|----------------------|------------------------|
| Product Build Number | 01-28-07.00-ON-U18-STD |
| Android Version | 8.1.0 |
| Security Patch level | April 5, 2021 |

| | |
|--------------------|---|
| Linux Kernel | 3.18.71 |
| Component Versions | Please see Component Version under Addendum section |

Installation Instructions

Software update procedure

The installation instructions assume user has ADB installed on their PC (the adb drivers etc..) and user device has developer options enabled and USB debugging ON. Please check following link for more information on installation and setup instructions.

- [Installation and setup instructions](#)

NOTE:

For Enterprise Mobile Device Management, most EMM vendors such as SOTI, AirWatch, MobileIron, etc. WILL require an updated device management agent to support this OREO enterprise device. Do NOT use your existing device management agent and console with this device without first contacting your EMM vendor to understand when the agent supporting this device is available and whether a console upgrade is required as well. Attempting to enroll with an agent that is not validated to support the device will result in errors.

Addendum

Device Compatibility

This software release has been approved for use on the following devices.

[TC20 Home Page](#)

| TC20 | |
|--------------------|--|
| Device Part Number | Operating System |
| TC200J-20C112CN | Android O (Non-GMS Only) China Only |
| TC200J-20A111CN | Android O (Non-GMS Only) China Only |
| TC200J-2KC111CN | Android O (Non-GMS Only) Keyboard SKU - China Only |
| TC200J-2KC11112 | Android O (Non-GMS Only) China Only |
| TC200J-20C213CN | Android O (Non-GMS Only) Premium SKU -China Only |

[TC25 Home Page](#)

| TC25 | |
|--------------------|------------------|
| Device Part Number | Operating System |

| | |
|-----------------|-------------------------------------|
| TC25CJ-20B101CN | Android O (Non-GMS Only) China Only |
| TC25CJ-20C102CN | Android O (Non-GMS Only) China Only |

Component Versions

For detailed release notes, please refer techdocs.zebra.com, developer.zebra.com

| Component / Description | Version |
|-------------------------------------|--|
| Build_version | 01-28-07.00-ON-U18-STD |
| Android_version | 8.1.0 |
| Android_SDK_Level | 27 |
| Android Security Patch Level | April 5, 2021 |
| Linux_kernel | 3.18.71 |
| Wifi | FUSIONLITE_QA_1_0.0.0.028_O Radio: QA_1_00.0.0.022_O Application: QA_1_00.0.0.009_O Middleware: QA_1_00.0.0.014_O Firmware: CNSS-PR-4-0-00713/01050102 |
| Platform | Qualcomm MSM8937 |
| Scanning_Framework | 23.1.9.1 |
| DWDDemo | 2.0.15 |
| OSX | QCT.81.8.13.4.UL |
| MXMF | 9.4.0.5 |
| Touch | Focaltech V1.1 20161103 (fw:0x24) |
| Acoustic Profiles | General: CO4.2 Cellular: CO4.2 |
| Bluetooth_Stack | CNSS-PR-4-0-00713/01050102 |
| Flash_Size | 16G /32G |
| RAM_Size | 2G |
| GPS | MPSS.JO.3.0.c13-00016-8937_GENNS_PACK-1 |
| MMS | 8.1.0 |
| RIL_Version | Qualcomm RIL 1.0 |
| BT_Pairing_Utility | 3.15 |

| | |
|--------------------------------|---|
| Datawedge | 7.3.34 |
| Camera | 2.0.002 |
| PTT | 3.1.39 |
| RxLogger | 5.4.12.0 |
| StageNow | 3.4.1.5 |
| Zebra Data Service | 7.0.2.1047 |
| Zebra Software License Manager | 3.2.0 |
| EMDK | 7.3.23.2323 |
| IMEI SV Number | 11 |
| OEM Config | 9.0.0.331 |
| DDT | V1.17.0.9 |
| WebView | 89.0.4389.90 |
| Fingerprint | Zebra/TC25/TC25FM:8.1.0/01-28-07.00-ON-U18-STD/210331:user/release-keys, Zebra/TC20/TC20RT:8.1.0/01-28-07.00-ON-U18-STD/210331:user/release-keys, ZebraTC20/TC20RD:8.1.0/01-28-07.00-ON-U18-STD/210331:user/release-keys, Zebra/TC20/TC20KB:8.1.0/01-28-07.00-ON-U18-STD/210331:user/release-keys, |

Important Links

- <https://techdocs.zebra.com/datawedge/7-3/guide/about/>
- <https://techdocs.zebra.com/emdk-for-android/7-3/guide/about/>
- <https://techdocs.zebra.com/stagenow/3-4/about/>
- <https://techdocs.zebra.com/mx/>
- <https://techdocs.zebra.com/ddt/1-1/guide/about/>
- <https://techdocs.zebra.com/rxlogger/5-4/guide/about/>

Known Issues and Workarounds

- OS downgrade behavior has changed in Oreo. Automatic enterprise data reset is performed when the system detects OS downgrade operation. Following are the examples of OS downgrade operations:
 - Oreo (NGMS) to Nougat (NGMS)
 - Downgrading to lower patch version within Oreo.
- To avoid text cropping in some applications, accessibility options can be used to change the display size to small.
- An issue wherein period key was not working on Remote connections (RDP / Horizon / Citrix)

User needs to push an empty file namely SPR36457.txt and copy it into /enterprise/usr/persist/ and reboot the device for this functionality to get enabled.

Revision History

| REV | DESCRIPTION | DATE |
|-----|-----------------|----------------|
| 1.0 | Initial Release | April 16, 2021 |