

Release Notes – Zebra Android Oreo 01-18-02.00-ON-U15-STD Release (AOSP)

Highlights

The details of the Android AOSP(NON-GMS) Oreo release 01-18-02.00-ON-U15-STD that covers family of products including TC5x, TC7x, PS20x. Please see, Device Compatibility under Addendum Section for more details.

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

Software Packages

| Package Name | Description |
|--|--------------------|
| HE_INCREMENTAL_UPDATE_01-18-02.00-ON-U15-STD.zip | CFE package update |

Security Updates

This build is Compliant up to [Android Security Bulletin](#) of **July 01 2019**.

LifeGuard Update 15:

- This LG patch is applicable for 01-18-02.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.
 - WLAN FUSION_QA_2_1.4.0.014_O
 - Device Central:2.1.0.9

Fixes

Fixed: SPR37051 – Resolved an issue wherein the NFC reader does not properly read some of the MIFARE NFC cards.

Fixed: SPR37083 – Resolved an issue wherein the device was not able to communicate with cradle after the cradle booted with devices installed.

LifeGuard Update 14:

- This LG patch is applicable for 01-18-02.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.
 - WLAN FUSION_QA_2_1.4.0.013_O
 - MX:9.0.2.9
 - EMDK:7.3.17.2317
 - DW:7.3.21
 - EKB: 2.1.1.2

Fixes

Fixed: SPR37124 – Resolved an issue where in ADF rule with crunch spaces was removing last character from barcode data with space.

Fixed: SPR37060 – Resolved an issue wherein DataWedge was not disabling the scanner upon resume during app transition from background to foreground causing intermittent scanning failures.

Fixed: SPR36925 – Resolved an issue wherein scanner was not available for second app when an ANR or crash occurred on the first app.

Fixed: SPR36994 – Resolved MX initialization issue wherein EHS was calling MX before completion of MX initialization process

LifeGuard Update 06:

- This LG patch is applicable for 01-18-02.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.
 - WLAN FUSION_QA_2_1.4.0.012_O

Fixes

Fixed: SPR36514 – Resolved an issue wherein background apps being killed due to heavy CPU usage on device.

Version Information

Below Table contains important information on versions

| Description | Version |
|--------------------------------------|---|
| Product Build Number | X1-18-02.00-ON-U15-STD |
| Android Version | 8.1.0 |
| Security Patch level | July 1, 2019 |
| Linux Kernel | 4.4.78 |
| Component Versions | Please see Component Version under Addendum section |

Installation Requirement and Instructions

https://www.zebra.com/content/dam/zebra_new_ia/en-us/software/operating-system/helios/oreo-os-update-instructions.pdf

Upgrade options

Below table provides detailed information on shortest path to upgrade based on current version of software.

| Current Software Version on Device | Steps to get to this Release | Comments |
|------------------------------------|--|---|
| 01-12-01.00-ON-Uxx | <ol style="list-style-type: none"> 1. Apply Full Package Update HE_FULL_UPDATE_01-18-02.00-ON-U00-STD.ZIP 2. Apply Incremental Update HE_INCREMENTAL_UPDATE_01-18-02.00-ON-U15-STD.zip | |
| 01-13-20.00-ON-Uxx | <p>Option 1:</p> <ol style="list-style-type: none"> 1. Apply Delta Package Update HE_DELTA_UPDATE_01-13-20.00-ON_TO_01-18-02.U00-ON.ZIP 2. Apply Incremental Update HE_INCREMENTAL_UPDATE_01-18-02.00-ON-U15-STD.zip <p>Option 2:</p> <ol style="list-style-type: none"> 1. Full Package Update Apply HE_FULL_UPDATE_01-18-02.00-ON-U00-STD.ZIP 2. Apply Incremental Update HE_INCREMENTAL_UPDATE_01-18-02.00-ON-U15-STD.zip | <p>Option #1 is recommended as size of Delta package update is smaller compared to Full Package Update</p> |
| 01-18-02.00-ON-Uxx | Apply Incremental Update HE_INCREMENTAL_UPDATE_01-18-02.00-ON-U15-STD.zip | |

Known Constraints

Below are Known Constraints and workaround if applicable.

- WiFi sleep policy set to “Always” (Android O limitation)
- When installing the Reset packages, always select ‘Full OTA’ package option when using recovery mode. Do Not select ‘Diff OTA’ package for Reset packages since it would erase the LG Patch update & take the device to base BSP image.

Addendum

Device Compatibility

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

| Device Family | Part Number | Product Specific Manual |
|---------------|---|--|
| TC52 | TC520K-2PEZU4P-CN TC520K-2PEZU4P-CN TC520K-2HEZU4P-CN | Visit Manuals Section under TC52 Home Page |
| TC72 | TC720L-0ME24B0-CN | Visit Manuals Section under TC72 Home Page |
| PS20 | PS20J-B2G2CN00 PS20J-P4G2CN00 | Visit Manuals Section under PS20 Home Page |
| TC77 | TC77HL-52E24BD-CN | Visit Manuals Section under TC77 Home Page |
| TC57 | TC57HO-2PEZU4P-CN | Visit Manuals Section under TC57 Home Page |

Component Version

| Functional Area | Versions |
|-----------------------------------|---------------------------------------|
| ActiveEdge | 2.5.16 |
| AnalyticsMgr | 2.4.0.1140 |
| Audio (Microphone and Speaker) | 0.34.0.0 |
| Battery Management | Version: 1.4.2 |
| Bluetooth Pairing Utility | Version: 3.14 |
| DataWedge | 7.3.21 |
| Device Central | 2.1.0.9 |
| Diagnostic Tool | 1.17.0.9 |
| EMDK | 7.3.17.2317 |
| Enterprise Keyboard | 2.1.1.2 |
| Fota | 1.0.0.3 |
| License Manager and License Agent | version 3.2.0 and version 3.2.0.3.2.0 |
| MX | MXMF version:9.0.2.9 |
| OSX | QCT.81.8.14.7 |
| PTT Express | 3.1.40 |
| Rxlogger and RxLoggerUtility | Version 5.4.13.0 and Version 1.3.3.8 |
| Scanning Framework | 22.7.6.0 |
| WorryFree Wifi Analyzer (WFW) | WFW_QA_2_3.4.0.002_O |

| | |
|--|--------------------------------------|
| StageNow | 3.3.1.2000 |
| WLAN | FUSION_QA_2_1.4.0.014_O |
| WWAN (Data & Voice) | Baseband Version: W190315A_3.1-00753 |
| Zebra Data Service | 3.5.0.1048 |
| Zebra Volume Control (ZVC) | 2.1.0.20 |
| Zebra Folders | 8.1 |

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