



Release Notes – Zebra Android Oreo 01-23-19.00-ON-U09-STD Release (AOSP)

Highlights

The details of the Android AOSP Oreo release 01-23-19.00-ON-U09-STD that covers family of products including TC52, TC57, TC72, TC77, TC52HC, PS20x, TC8300, MC9300, VC8300, L10A, ET51, and EC30. 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_01-23-19.00-ON-U09-STD.zip | LG Package Update |

Security Updates

This build is Compliant up to [Android Security Bulletin](#) of February 05 2020.

LifeGuard Update 09:

- This LG patch is applicable for 01-23-19.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.
 - Zebra Data Services: 7.0.0.1005
 - Zebra Content Provider: 1.0.0.1197
 - OemInfo: 9.0.0.64
 - WLAN: FUSION_QA_2_1.11.0.005_O

Fixes

- Fixed: SPR37522 – Resolved an issue wherein Location mode is displayed incorrectly when GMS Restricted is enabled.
- Fixed: SPR38093 – Resolved an issue wherein storage manager service crashes intermittently
- Fixed: SPR37268 – Resolved an issue wherein network traffic from some applications were not using proxy when configured using PAC.
- Fixed: SPR38154 – Resolved an issue wherein Battery Hot Swap not showing application icon in lock-down launcher when enrolled in MDMs.

New Features

- Added support to publish OS update status to EMM Clients via OEMInfo.

LifeGuard Update 08:

- This LG patch is applicable for 01-23-19.00-ON-U00-STD BSP version.

New Features

- Added Multi-Barcode enhancement: 'multibarcodes' max count increased from 10 to 100.
- Added Staging from an SD card or USB device works fine when multiple .bin files are present on the storage medium.
- Added Support for barcode symbologies Finnish 4S and Dutch 3S.
- Added Support Multi Barcode Support in Datawedge.

Fixes

- Fixed: SPR37201 – Resolved an issue wherein devices are unable to scan after modified system settings.
- Fixed: SPR38418 – Resolved an issue wherein Right trigger Press caused SimulScan to continuously scan.
- Fixed: SPR38749 – Resolved an issue wherein Mobile Network menu gets disabled when the SettingsMgr CSP disabled Airplane mode.
- Fixed: SPR38330 – Resolved an issue wherein devices are not able to disable Application Notification from SettingsMgr.
- Fixed: SPR38250 – Resolved an issue where BT Packet data arrive out of order.
- Fixed: SPR38575 – Resolved an issue where the Decoder parameter 'checkdigit' is not distinguished for "USPOSTNET" and "US PLANET".
- Fixed: SPR38534 – Resolved an issue where WiFi occasionally stops after FT roam while device is suspended.
- Fixed: SPR38416 – Resolved an issue where WAN devices with inactive Verizon sim card would automatically enter Airplane mode.
- Fixed: SPR38778 – Resolved an issue wherein EMDK for Xamarin SAM API throws exception with 253 bytes payload key roll-over.

LifeGuard Update 06:

- This LG patch is applicable for 01-23-19.00-ON-U00-STD BSP version. The LG Patch includes the following updated components.
 - Device Central: 2.1.0.15
 - DataWedge: 7.5.56
 - EMDK: 7.5.25.2525
 - MXMF version: 9.2.6.1
 - OSX version: QCT.81.8.19.1
 - Simulscan Version: 4.0.5 SimulScanEngine: 3.3.0
 - StageNow: 4.0.0.7
 - Zebra Data Service: 3.6.0.1034
 - OemInfo: 9.0.0.39
 - Scanning Framework: 23.1.2.0

New Features

- Added Keyless Navigation (w/ VoiceWedge)
- Added support for Individual wake up sources.
- Added support for Simulscan on SE4770 and removing of yellow screen
- Added support for Firefly (RS5100).
- Added support for OCR A/B in Scanning Framework.

Fixes

- Fixed: SPR37773 – Resolved an issue wherein devices are unable to login to captive portal with Android Webview.

- Fixed: SPR37465 – Resolved an issue wherein customer app gets freeze when the app posts numerous Toast at once.
- Fixed: SPR38119 – Resolved an issue wherein writing through serial data was taking more time.
- Fixed: SPR38330 – Resolved an issue wherein user was unable to disable Application Notifications via StageNow.
- Fixed: SPR38316 – Resolved an issue wherein device WAN mode changes due to thermal mitigations.
- Fixed: SPR38416– Resolved an issue wherein device with inactive sim card will automatically enter Airplane mode.
- Fixed: SPR38166: Resolved an issue wherein device is unable to set static IP via StageNow/EMDK.
- Fixed: SPR38426– Resolved an issue wherein StageNow is unable to set manual Proxy without any bypass.

Cellular carrier supported

AT&T, Verizon Wireless, Sprint, Telstra and ROW (Rest of World)

Version Information

Below Table contains important information on versions

| Description | Version |
|----------------------|---|
| Product Build Number | X1-23-19.00-ON-U09-STD |
| Android Version | 8.1.0 |
| Security Patch level | February 5, 2020 |
| Linux Kernel | 4.4.78 |
| Component Versions | Please see Component Version under Addendum section |

Installation

Requirements and Instructions

- [Installation and setup instructions](#)

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 01-13-20.00-ON-Uxx 01-18-02.00-ON-Uxx | Apply Full Package Update HE_FULL_UPDATE_01-23-19.00-ON-U00-STD.zip Followed by Apply Incremental Update HE_INCREMENTAL_UPDATE_01-23-19.00-ON-U09-STD.zip | Incremental Update |
| 01-21-18.00-ON-Uxx | Option 1: Apply Delta Package Update HE_DELTA_UPDATE_01-21-18.00-ON_TO_01-23-19.U00-ON.zip Followed by Apply Incremental Update HE_INCREMENTAL_UPDATE_01-23-19.00-ON-U09-STD.zip Option 2: Full Package Update Apply HE_FULL_UPDATE_01-23-19.00-ON-U00-STD.zip Followed by Apply Incremental Update HE_INCREMENTAL_UPDATE_01-23-19.00-ON-U09-STD.zip | Option #1 is recommended as size of Delta package update is smaller compared to Full Package Update |
| 01-23-19.00-ON-Uxx | Apply Incremental Update HE_INCREMENTAL_UPDATE_01-23-19.00-ON-U09-STD.zip | |

Known Constraints and Workarounds

- WiFi sleep policy set to “Always” (Android O limitation)
- GMS Restricted Mode is introduced in this release. Customers using Enable/Disable GMS apps may want to consult the settings types for App Manager, Power Manager and GMS Manager in Zebra's Tech Docs. Functionality originally in Enable/Disable GMS apps (App Manager) has been moved to GMS Restricted Mode (GMS Manager).
- "Get Status for all Wake-Up sources" is returning "Enabled" when all Wake-up sources are disabled, some devices operate at 320 dpi. This screen configuration results in the majority of the AOSP applications displaying content consistently in both portrait and landscape modes. In most cases if the application layout is not optimal in landscape it is optimal in portrait or vice versa. However, there are a few applications that do not render properly in either portrait or landscape. In this case the suggested alternative is to change the display size using the bundled Display Settings APK or use settings menu to change the display size and font size (settings Display Advanced settings Display Size / Font Size).

Addendum

Device Compatibility

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

| Device Family | Part Number | | Device Specific Manuals and Guides |
|---------------|---|--|------------------------------------|
| TC52 | TC520K-2PEZU4P-CN TC520K-2PEZU4P-CN TC520K-2HEZU4P-CN | | TC52 Home Page |
| TC72 | TC720L-0ME24B0-CN | | TC72 Home Page |
| PS20 | PS20J-B2G2CN00 | PS20J-P4G2CN00 | PS20 Home Page |
| TC77 | TC77HL-5ME24BG-CN | | TC77 Home Page |
| TC57 | TC57HO-1PEZU4P-CN | | TC57 Home Page |
| VC8300 | VC83-08SOCQBABBACN | VC83-08FOCQBABBACN | VC8300 Home Page |
| TC8300 | TC83B0-6005A510CN TC83B0-2005A510CN TC83B0-3005A510CN TC83B0-2005A61CCN TC83B0-3005A61CCN | TC83BH-2205A710CN TC83BH-3205A710CN TC83B0-4005A610CN TC83B0-5005A610CN | TC8300 Home Page |
| L10AW | RTL10B1-xxAxxX0x00CN (China) Note: 'x' Stands for wild card for different configurations. | | L10 Home Page |
| MC9300 | MC930B-GSEEG4CN MC930B-GSCDG4CN MC930B-GSEDG4CN MC930B-GSADG4CN | MC930B-GSACG4CN MC930P-GFADG4CN MC930P-GFCDG4CN MC930P-GFEDG4CN | MC9300 Home Page |
| ET51 | ET51CE-L21E-00CN | | ET51 Home Page |
| ET56 | NA | | ET56 Home Page |
| EC30 | EC300K-2SA1ACN | | EC30 Home Page |

Component Versions

| Component / Description | Version |
|-----------------------------------|--|
| ActiveEdge | 2.5.16 |
| AnalyticsMgr | 2.4.0.1251 |
| Battery Management | Version: 1.4.2 |
| Battery Swap [Enhanced] | Version: 2.2.0 |
| Bluetooth Pairing Utility | Version 3.16 |
| DataWedge | 7.6.30 |
| Device Central | 2.1.0.15 |
| Diagnostic Tool | 1.19.0.3 |
| EMDK | 7.6.10.2610 |
| Enterprise Keyboard | 2.2.2.3 |
| Fota | 1.0.0.8 |
| License Manager and License Agent | version 3.2.0 and version 3.2.0.3.2.0 |
| MSRN | 2.01 |
| MX | MXMF version:9.3.3.1 |
| NFC | NFC_NCIHALx_ARC0.8.4.0 |
| OSX | QCT.81.8.21.15 |
| PTT Express | 3.1.42 |
| Rxlogger and RxLoggerUtility | Version 5.4.16.0 and Version: 1.3.3.11 |
| Scanning Framework | 23.1.6.0 |
| Simulscan | "Version: 4.0.5" |
| WorryFree Wifi Analyzer | WFW_QA_2_1.10.0.009_O |
| StageNow | 4.1.0.13 |
| WLAN | FUSION_QA_2_1.11.0.005_O |