Release Notes – Zebra Android Oreo 01-30-04.00-ON-U04-STD (AOSP)

Highlights

The details of the Android AOSP Oreo release 01-30-04.00-ON-U04-STD that covers family of products including ET56. 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_FULL_UPDATE_01-30-04.00-ON-U00-STD.zip	Full Package Update
HE_INCREMENTAL_UPDATE_01-30-04.00-ON-U04-STD.zip	Mandatory LG Package Update

Security Updates

This build is Compliant up to Android Security Bulletin of May 05, 2020.

U00(Baseline):

New Features

- Added support for ET51 8" SKUs with integrated scanner / payment option.
- The MC9300 Cold Storage version will now evaporate the condensation on the outside of the scanner window when a user is moving from a cold environment to a warm environment.
- Support was added for improved MC9300 hardware that uses a different codec.

Resolved Issues

- SPR38093: - Resolved an issue where storage manager service crashes intermittently.
- SPR38970: - Resolved an issue where battery swap was blocked by sensors that are actively sending data.
- SPR39360: - Resolved an issue where scanner doesn't work sometimes after reboot when IMS switch happens.
- SPR37268: - Resolved an issue where network traffic from some applications were not using proxy when configured using PAC.
- SPR38870: - Resolved an issue where TC77 was not able to decode US4STATE with hardware picklist mode enabled.
- SPR39405: - Resolved issue where connection to Verizon network fails because default APNs are not present.

LifeGuard Update 04:

➤ This LG patch is applicable for 01-30-04.00-ON-U00-STD BSP version.
The LG Patch includes the following updated components.

- MX: - 10.0.2.6
- DataWedge: - 8.0.37
- StageNow-Client: - 4.2.5.5
- Enterprise Keyboard: - 2.2.2.3
- EMDK: - 8.0.10.2621
- DDT: - 1.20.0.2
- Event injection Service: - 4.3.0.0
- Zebra Folder: -10.0
- Wi-Fi: - FUSION_QA_2_1.11.0.008_O
- OSX: QCT.81.8.25.18

Fixes

- SPR39012 - Resolved an issue wherein the profile with SKIP_SUW used to take more time to get applied
- SPR39545-Resolved an issue wherein external USB keyboard was not getting disabled via StageNow or MX
- SPR39405- Resolved an issue wherein cellular network connection failure were observed.
- SPR39514-Resolved an issue wherein while using chrome in GMS restricted profile, enable Google Play services notification popup used to appear.
- SPR39613 - Resolved an issue where Device was unable to fetch UUID details of remote device
- SPR39513- Resolved an issue wherein screen would not wake up from suspend when using scan-trigger as wakeup source
- SPR39006 – Added support to automatically agree to the location consent when the location modes are changed using WirelessMgr CSP
- SPR35665 – Resolved an issue wherein Google keyboard settings are not persisting through a reboot when configured directly after factory reset
- SPR38534 – Resolved an issue where disconnection is observed in Fast Transition mode when device is in suspend state.
- SPR39082 – Resolved an issue wherein Intermittent loss of Ethernet connection is observed.
- SPR38880 – Resolved an issue wherein device gets stuck on bootup screen.
- SPR38885 – Added support to allow package installation while App whitelist is enabled with App verification mode as long as the package and its corresponding signature is whitelisted.
- SPR39332 – Resolved an issue wherein scanning multiple barcodes would not work while in SKIP SETUP Wizard screen
- SPR38739 – Resolved an issue wherein streaming of certain MP3 files used to fail
- SPR38748 – Resolved an issue wherein multicast voice traffic reception is improved.
- SPR39578-Resolved an issue where Device was unable to retain Bluetooth connection after idle timeout period
- Fixed an issue on SE4750 scanner devices where scanning would occasionally stop after extensive scanning.
- SPR39544 - Resolved an issue wherein the eMMC health data was being reported incorrectly for a specific flash part.

- SPR39644 – Included Rxlogger v5.4.16.0 that provides option to store the logs in the Internal sdcard, even when external SDcard is present on the device. User needs to select "Enable Internal sdcard only" to store the logs in the internal sdcard.

New Features

- Added Workstation Dock Enhancements & PH10 Support.
- Added Ability to Provision network credentials as part of Android Setup Wizard.
- Added support for Google QR Code integration with device scanner.
- Added support for Raw and IrCOMM modes for existing IrDA SW package.
- Added secure DataWedge Intent APIs for device and data security.
- Added support of Dynamic Staging to mass create barcodes from a single profile.
- Added Ability to easily add support for new File Transfer protocols.
- Added support to Control Access to Sensitive MX Functions.
- Added MC93 Cold Storage SKUs Heater Control Logic Optimization.
- Added Scanner Frame support for ET51.
- Added support for Connectivity analysis retry in Worry Free Wifi
- Added support for Image Capture with anchor barcode.
- Added support for Sensitivity parameter for Presentation mode.
- Added support for Trigger modes (Timed Release & Timed Hold) support in DS36xx and L36xxx scanners.

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	X1-30-04.00-ON-U04-STD
Android Version	8.1.0
Security Patch level	May 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 01-21-18.00-ON-Uxx	Apply Full Package Update HE_FULL_UPDATE_01-30-04.00-ON-U00-STD.zip **Followed by** Apply Incremental Update HE_INCREMENTAL_UPDATE_01-30-04.00-ON-U04-STD.zip	Full Package Update
01-23-19.00-ON-Uxx	Apply Full Package Update HE_FULL_UPDATE_01-30-04.00-ON-U00-STD.zip **Followed by** Apply Incremental Update HE_INCREMENTAL_UPDATE_01-30-04.00-ON-U04-STD.zip	
01-30-04.00-ON-Uxx	Apply Incremental Update HE_INCREMENTAL_UPDATE_01-30-04.00-ON-U04-STD.zip	

NOTE: The MC93 devices with below HW IDs are not allowed to downgrade to any of the older BSPs than 01.30.04.

HW IDs: 513, 514, 521, 544, 549, 588, 589

The HW ID from MC93 devices can be found under "Settings->System->About phone->SW Components->HW ID"

Known Constraints and Workarounds

- WiFi sleep policy set to "Always" (Android O limitation)

- 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
ET56	ET56DE-L21E-00CN		ET56 Home Page

Component Versions

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

Component / Description	Version
ActiveEdge	2.5.16
AnalyticsMgr	2.4.0.1254
Battery Management	Version: 1.4.2
Battery Swap [Enhanced]	Version: 2.2.0
Bluetooth Pairing Utility	Version 3.16
Device Central	2.1.0.15
DataWedge	8.0.37
Diagnostic Tool	1.20.0.2
EMDK	8.0.10.2621
Enterprise Keyboard	2.2.2.3
System Update	1.0.0.8
MXMF	10.0.2.6
OSX	QCT.81.8.25.18
StageNow-Client	4.2.5.5
Wi-Fi	FUSION_QA_2_1.11.0.008_O
License Manager and License Agent	version 4.0.2 and version 4.0.31.3.2.0
MSRN	2.01
NFC	NFC_NCIHALx_ARC0.8.4.0
PTT Express	3.1.42
Rxlogger and RxLoggerUtility	Version 5.4.16.0 and Version: 1.3.3.12
Scanning Framework	23.1.13.0
Simulscan	"Version: 4.0.5"
WorryFree Wifi Analyzer	3.2.13
Android Webview	77.0.3865.92

Last Revised:08/03/2020