Release Notes – Zebra Android Oreo 01-21-18.00-OG-U01-STD Release (GMS)

Description

The details of the Android GMS Oreo release 01-21-18.00- OG-U01-STD that covers EC30 family of products. Please see, Device Compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
HE_FULL_UPDATE_01-21-18.00-OG-U00-STD.zip	Full Package Update
HE_DELTA_UPDATE_01-21-18.00-OG-U01.zip	Mandatory Delta Package Update

Security Updates

This build is Compliant up to Android Security Bulletin of July 01 2019.

New Features

- Added Support for Launch of New products EC30 and L10A.
- Added Support for Various TC8300 (DPM, DPM wide Angle) SKU
- Added Support for Various MC9300 (Freezer and 34,43, 58, 29, 53 Keys) SKU
- Added soft PTT buttons for PTT-Express for devices with no Keys (Example Kiosk)
- Added capability to use Single Barcode Staging with SUW Bypass
- Added Single Barcode Staging with SUW Bypass (OSx) Note*: .bin for MX 9.1 above needs to be generated from latest StageNow tool with MX 9.1 and above only*
- Added support and Interface for Configuring HW vs SW WakeUp Sources
- Added Support for Keyboard Audible feedback, NFC, Vibrator, Camera for MC9300.
- Added New APK to quickly access display Densities and Font scaling and a power menu short cut which allows it to be launched when extended power menu option is enabled through developer options
- Added EC30 Locking Cradle Support has being added. This also includes a demo Application on the device that supports Unlocking as well as running specific diagnostic tests with device in cradle
- Added support for Scan and Pair by pressing hardware scan trigger when in the Device Central app's main screen.
- Added support for new Bluetooth Scanners: DS2278, DS8178
- Added Voice trigger support for DataWedge
- Added SE4750 DPM support in EMDK

- Added Controlling HW (Enable / Disable) wakeup sources
- Added "Never" option to Display Sleep mode for Kiosk devices
- WLAN
  - Added Coverage View in WorryFree WiFi (WFW).
  - Added CCXv4 Compliance.
  - WLAN Soft AP Certification

- WAN Specific (Not Applicable for WLAN only devices)
  - Added support for Sprint Curiosity SIMs

Fixes

- Fixed: SPR36661/37083, where PS20 terminals were not able to communicate to the cradles after the cradles were rebooted
- Fixed: SPR 36514 (PS20) where apps were being killed due to heavy CPU usage on device
- Fixed: SPR-36925 wherein scanner was not available for second app when an ANR or crash occurred on the first app
- Fixed: SPR37124 –where in ADF rule with crunch spaces was removing last character from barcode data with space.
- Fixed: SPR37060 wherein Datawedge was not disabling the scanner upon resume during app transition from background to foreground causing intermittent scanning failures

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	01-21-18.00-OG-U01-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

Requirements and Instructions

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

Known Constraints

Below are Known Constraints and workaround if applicable.

- 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
- "Feature not supported" staging error message comes after staging enable wake up source function via stagenow, even though operation is successful.
- 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
EC30	EC300K-1SA1ANA EC300K-1SA1AA6 EC300K-1SA1AIA	

Component Version

Functional Area	Versions
ActiveEdge	2.5.16
AnalyticsMgr	2.4.0.1251
Audio (Microphone and Speaker)	0.41.0.0
Battery Management	Version : 1.4.2
Battery Swap (Enhanced)	Version : 2.2.0
Bluetooth Pairing Utility	Version 3.16
Data Analytics	3.5.0.1177
DataWedge	7.4.44
Device Central	2.1.0.9
Diagnostic Tool	v1.18.0.3
EMDK	7.4.20.2420
Fota	1.0.0.6
License Manager and License Agent	version 3.2.0 and version 3.2.0.3.2.0
MSRN	2.01
MX	MXMF version:9.1.1.32
NFC	NFC_NCIHALx_ARC0.8.4.0
OSX	QCT.81.8.16.7
PTT Express	3.1.42
Rxlogger and RxLoggerUtility	Version 5.4.16.0 and Version: 1.3.3.11
Scanning Framework	22.1.21.0
Simulscan	Version: 3.0.6 SimulScanEngine: 2.0.9
WorryFree Wifi Analyzer (WFW / SmartMU)	WFW_QA_2_3.6.0.006_O
StageNow	3.4.1.4
WLAN	FUSION_QA_2_1.6.0.011_O
Zebra BlueTooth	1.0
Zebra Data Service	3.5.0.1177
Zebra Volume Control (ZVC)	2.2.0.5
Zebra Folders	9.1

Revision History

REV	DESCRIPTION	DATE
1.0	Initial Release	July 24, 2019