Release Notes – Zebra Android Oreo 01-30-04.00-OG-U06-STD Release (GMS)

Highlights

The details of the Android GMS Oreo release 01-30-04.00-OG-U06-STD that covers family of products including TC52, TC57, TC72, TC77, TC52HC, PS20x, TC8300, MC9300, VC8300, L10A, ET51, ET56, EC30 and CC600, CC6000. 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_DELTA_UPDATE_01-30-04.00-OG-U06-STD.zip	LG Package Update

Security Updates

This build is Compliant up to Android Security Bulletin of June 01, 2020.

LifeGuard Update 06:

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

- MX: - 10.0.5.1
- DataWedge: - 8.0.42
- StageNow-Client: - 4.2.6.6
- MX Proxy Framework: - 10.0.1.1
- Enterprise Browser: - 2.7 (for PS20 devices only)

Fixes

- SPR39784/SPR39879 - Resolved an issue wherein setting time zone would not set the time correctly via MX
- SPR39878 – Resolved an intermittent crash issue in Datawedge.
- SPR39592 – Resolved an issue wherein intermittently the BT Pairing pop up would appear on disconnecting a BT scanner.
- SPR39647 – Resolved an issue wherein CODE39 symbology was not being decoded
- SPR39327 – Resolved an issue wherein intermittently devices would get stuck in fastboot screen after a Factory reset.

New Features

- Added eSIM provisioning
- Added support to change the device's domain selection like from voice to data and vice versa.
- Added auto selection of active SIM/USIM/eSIM subscriptions when device is in DSDS mode

LifeGuard Update 04:

➢ This LG patch is applicable for 01-30-04.00-OG-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 whilelist 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.

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	X1-30-04.00-OG-U06-STD
Android Version	8.1.0
Security Patch level	June 1, 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-OG-Uxx 01-13-20.00-OG-Uxx 01-18-02.00-OG-Uxx 01-21-18.00-OG-Uxx	Apply Full Package Update HE_FULL_UPDATE_01-30-04.00-OG-U00-STD.zip **Followed by** Apply Delta Update HE_DELTA_UPDATE_01-30-04.00-OG-U06-STD.zip	Full Package Update
01-23-18.00-OG-Uxx	**Option 1:** Apply Delta Package Update HE_DELTA_UPDATE_01-23-19.00-OG_TO_01-30-04.U00-OG.zip **Followed by** Apply Delta Update HE_DELTA_UPDATE_01-30-04.00-OG-U06-STD.zip **Option 2:** Apply Full Package Update HE_FULL_UPDATE_01-30-04.00-OG-U00-STD.zip **Followed by** Apply Delta Update HE_DELTA_UPDATE_01-30-04.00-OG-U06-STD.zip	**Option #1** is recommended as size of Delta package update is smaller compared to Full Package Update
01-30-04.00-OG-Uxx	Apply Delta Update HE_DELTA_UPDATE_01-30-04.00-OG-U06-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)

• Enterprise Browser v3.0 is not supported in LG Update 06 for PS20x devices.

• As GMS Restricted Mode is available 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).

• 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-1PEZU4P-NA, TC520K-1PEZU4P-A6 TC520K-1PEZU4P-FT TC520K-1PEZU4P-IA	TC520K-1HEZU4P-IA TC520K-1HEZU4P-NA TC520K-1HEZU4P-A6 TC520K-1HEZU4P-FT	TC52 Home Page
TC72	TC720L-0ME24B0-A6 TC720L-0ME24B0-NA TC720L-0ME24B0-BR	TC720L-0ME24B0-IA TC720L-0ME24B0-TN TC720L-0ME24B0-FT	TC72 Home Page
PS20	PS20J-P4G1A600 PS20J-P4G1NA00 PS20J-P4G1A600 PS20J-P4G1NA00 PS20J-B2G1A600	PS20J-B2G1A600 PS20J-B2G1NA00 PS20J-B2G1NA00 PS20J-P4H1A600 PS20J-P4H1NA00	PS20 Home Page
TC57	TC57HO-1PEZU4P-A6 TC57HO-1PEZU4P-NA TC57HO-1PEZU4P-EA TC57HO-1PEZU4P-FT (FIPS SKU)	TC57HO-1PEZU4P-IA TC57HO-1PEZU4P-BR TC57HO-1PEZU4P-ID	TC57 Home Page
TC77	TC77HL-5ME24BG-A6 TC77HL-5ME24BG-NA TC77HL-5ME24BG-FT (FIPS SKU) TC77HL-5ME24BD-IA	TC77HL-5ME24BD-ID TC77HL-5ME24BG-EA TC77HL-5MG24BG-EA TC77HL-6ME34BG-A6 TC77HL-5ME24BD-BR	TC77 Home Page
MC9300	MC930B-GSXXG4XX MC930P-GSXXG4XX MC930P-GFXXG4XX Note: 'x' Stands for wild card for different configurations.	MC930B-GSXXG4NA-XX MC930P-GSXXG4NA-XX	MC9300 Home Page
ET51	ET51CE-G21E-00A6 ET51CE-G21E-00NA ET51CE-G21E-00IA ET51CE-G21E-SFNA	ET51CT-G21E-00A6 ET51CT-G21E-00NA ET51CE-G21E-SFA6	ET51 Home Page

ET56	ET56DE-G21E-00A6 ET56DE-G21E-00IA	ET56DE-G21E-00NA	ET56 Home Page
CC600	CC600-5-3200LNNA CC600-5-3200LNWW	CC600-5-3200LNIN	CC600 Home Page
CC6000	CC6000-10-3200LCWW CC6000-10-3200PCWW CC6000-10-3200LCNA CC6000-10-320NLCNA	CC6000-10-3200PCNA CC6000-10-3200LNNA CC6000-10-320NLCWW	CC6000 Home Page
VC8300	VC83-08FOCABAABA-I VC83-08FOCQBAABA-I VC83-08FOCQBAABANA	VC83-08SOCABAABA-I VC83-08SOCQBAABA-I VC83-08SOCQBAABANA VC83-08SOCQBAABAIN	VC8300 Home Page
TC8300	TC83B0-x005A510NA TC83B0-x005A61CNA TC83BH-x205A710NA TC83B0-x005A510RW TC83B0-x005A61CRW TC83BH-x205A710RW TC83B0-x005A510CN TC83B0-x005A61CCN TC83BH-x205A710CN TC83B0-x005A510IN TC83B0-x005A61CIN TC83BH-x205A710IN	TC83BH-x206A710NA TC83BH-x206A710RW TC83B0-4005A610NA TC83B0-4005A610RW TC83B0-4005A610CN TC83B0-4005A610IN TC83B0-5005A610NA TC83B0-5005A610RW TC83B0-5005A610CN TC83B0-5005A610IN TC83B0-x005A510TA TC83BH-x205A710TA	TC8300 Home Page
	Note: 'x' Stands for wild card for different configurations.		
EC30	EC300K-1SA2ANA EC300K-1SA2AA6 EC300K-1SA2AIA	KT-EC300K-1SA2BNA-10 KT-EC300K-1SA2BA6-10	EC30 Home Page
L10AW	RTL10B1-xxAxxX0x00A6 (ROW) RTL10B1-xxAxxX0x00IN (India)	RTL10B1-xxAxxX0x00NA (NA)	L10 Home Page
	Note: 'x' Stands for wild card for different configurations.		

Component Versions

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	8.0.42
Diagnostic Tool	1.20.0.2
EMDK	8.0.10.2621
Enterprise Keyboard	2.2.2.3
System Update	1.0.0.8
MXMF	10.0.5.1
OSX	QCT.81.8.25.18
StageNow-Client	4.2.6.6
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

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