Release Notes – Zebra Android 11

11-23-29.00-RG-U03-STD-GSE-04 Release (GMS)

Highlights

This Android 11 GMS release 11-23-29.00-RG-U03-STD-GSE-04 covers ET40S, ET40L, ET45S and ET45L series product. Please see, device compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
GO_FULL_UPDATE_11-23-29.00-RG-U03-STD-GSE-04.zip	Full Update Package
GO_DELTA_UPDATE_11-23-29.00-RG-U01-STD_TO_11-23-29.00-RG-U03-STD.zip	Delta package from previous release 11-23-29.00-RG-U01-STD

Security Updates

This build is Compliant up to Android Security Bulletin of August 05, 2023.

LifeGuard Update 11-23-29.00-RG-U03

➢ LifeGuard Update 11-23-29.00-RG-U03 contains security updates only.
This LG patch is applicable for 11-23-29.00-RG-U01-STD-GSE-04 version.

- o **New Features**
  - • None

- o **Resolved Issues**
  - • None

- o **Usage Notes**
  - • None

LifeGuard Update 11-23-29.00-RG-U01

➢ LifeGuard Update 11-23-29.00-RG-U01 contains security updates only.
   This LG patch is applicable for 11-23-29.00-RG-U00-STD-GSE-04 version.

- **New Features**
  - None

- **Resolved Issues**
  - None

- **Usage Notes**
  - None

LifeGuard Update 11-23-29.00-RG-U00

This LG patch is applicable for 11-19-13.00-RG-U06-STD-GSE-04 version

Updated below mentioned components:
OSx version -   SD6375.110.21.37
MXMF -   11.9.0.18
Scanning Framework -   37.9.12.10
StageNow -   11.9.0.1
RXLogger -   7.75.5.31
Touch Panel -   7.0.0.1.10.1.0.5
Zebra Data Service -   10.0.4.1263
License Agent Version-   6.1.3.5.0.3
WLAN Version-   FUSION_SA_5_4.0.0.007_R
Zebra Volume Control -   3.0.0.91

- **New Features**
  - Added support to configure whether LED should be on when it's charging to indicate charging status, else turn off
  - Added Zebra Charge Manager support - Provides an interface to administrators to configure battery charging level & charging time to helps improve battery longevity.
  - Supporting Enhanced Connection manager for device to automatically switch between Wi-Fi and Cellular based on signal strengths
  - Add support of Zebra Workstation Connect Launcher
  - Add support for dynamic switching between mirror mode and desktop mode
  - Add support for sending immersive mode entry/exit callbacks for app to ZWC client to take care taskbar visibility

- Add support to set the Display resolution and density dynamically
- USB Manager adds the ability to Configure USB Host Mode with rules for connecting peripherals without prompting the device user, for granting apps permission to access peripherals and for auto-launching apps on connection.
- BT Insights - API support to track peripheral device/accessory connections states
- Add support of Free-Form OCR powered by Google ML Kit using Text Recognition v2 (Beta) API
- Added Support for SE5500 Lowell scan engine for ET45 10' SKUs.
- Added Support for the 8GB/128GB memory configuration for few new ET4X SKUs.
- Adding support MX CSP 11.9 for WWAN/LAN connection manager
- Adding support MX CSP 11.9 for Incoming/Outgoing call blocking through Admin

- ## Resolved Issues

  - SPR-48221 - Resolved an issue wherein devices would goto rescue party mode intermittently.
  - SPR-50306 - Fix camera evict rule check logic issue
  - SPR 48429 - Resolved an issue wherein user was able to get access to settings menu even with EHS launcher enabled while device was having low battery.
  - SPR 48803 – Resolved an issue where MX UI Setting LockOverrideButton feature was throwing Feature not supported error.
  - SPR-48680 - Resolved an issue where ET40/ET45/TC53/TC58 Video conference over WEB RTC (Real Time Communication) interpreting solution not working - no picture of the other participant (the interpreter) visible on the Zebra device
  - SPR-48197 - Resolved an issue where Device freezes and reboots after a specific SIM is inserted
  - SPR-48686 – Resolved an issue where screen rotation locking after waking from sleep
  - SPR 48404 - Resolved an issue wherein Keystroke Action Key in Datawedge was not working as expected.
  - SPR 47994 - Resolved an issue wherein ZDM was consuming more memory resulting in delayed response to access Privileged settings.
  - SPR 47457 - Resolved an issue wherein EMDK's ProcessProfile API would fail if it was repeatedly executed.
  - SPR 48005 - Resolved an issue wherein user was not able to set WIFI password that includes "\" using Stage Now
  - SPR 47819 - Resolved an issue wherein user was not able to set Display size to 'Large' using Stage Now
  - SPR-48051 – Resolved an issue regarding StageNow where FileMgr CSP is not working for A11
  - SPR 48128 - Resolved an issue wherein Access Manager CSP was reporting "Unable to Initialize" error while using WFC.
  - SPR-50225 - Resolved an issue where beam scan does not work with presentation mode and stay awake enabled
  - SPR-50640 – Resolved an issue where it is not able to ping Hostname if changed to MX 11.6

- ## Usage Notes

  - None

LifeGuard Update 11-19-13.00-RG-U06

➢ LifeGuard Update 11-19-13.00-RG-U06 contains security updates only.
This LG patch is applicable for 11-19-13.00-RG-U06-STD-GSE-04 version

- o **New Features**
  - None

- o **Resolved Issues**
  - None

- o **Usage Notes**
  - None

LifeGuard Update 11-19-13.00-RG-U03

- ➢ LifeGuard Update 11-19-13.00-RG-U03 contains security updates only.
  This LG patch is applicable for 11-19-13.00-RG-U00-STD-GSE-04 version

  - o **New Features**
    - None

  - o **Resolved Issues**
    - None

  - o **Usage Notes**
    - None

LifeGuard Update 11-19-13.00-RG-U00

- ➢ This LG patch is applicable for 11-17-20.00-RG-U03-STD-GSE-04 version

  Updated below mentioned components:
  OSx version -   SD6375.110.20.34
  License Agent Version-   6.0.45.5.0.3
  WLAN Version-   FUSION_SA_5_4.0.0.004_R
  Firmware Version-   18.35.387.23.1308.11
  Zebra Volume Control -   3.0.0.84

  - o **New Features**
    - None

- o **Resolved Issues**
  - • SPR-48491-Enabling the 5G support for Reliance Jio Network

- o **Usage Notes**
  - • None

LifeGuard Update 11-17-20.00-RG-U03

➢ LifeGuard Update 11-17-20.00-RG-U03 contains security updates only.

This LG patch is applicable for 11-17-20.00-RG-U00-STD-GSE-04 version.

- o **New Features**
  - • None

- o **Resolved Issues**
  - • None

- o **Usage Notes**
  - • None

LifeGuard Update 11-17-20.00-RG-U00

- o **New Features**

  - • MXMF
    - o Please refer to MXMF Version History for more information on new features added for MXMF.
    - o Added accessibility settings to reduced settings mode in MXMF
  - • Full functionality of Wireless Analyzer is available with this BSP Image. Prior images only supported Beta version of Wireless Analyzer.
  - • Battery Manager
    - o Zebra Charge Manager Parameters are added to list of parameters that battery manager displays to the user.
  - • RXLogger
    - o Added additional option in Snapshot module to include WAN dumpsys functionality
    - o Added feature to reduce interruption to logging when user accidentally deletes the RXLogger folder in the device.
  - • Scanner Framework
    - o USB scanner and Cradle support added
    - o Free-form OCR feature support added

- o Free-Form Image Capture feature support added
  - o New OCR Wedge Features added: License plate, Identification Documents, Vehicle Identification Number (VIN), Tire Identification Number (TIN), Shipping Container ID, Meter
  - o Document Capture feature support added
  - o Barcode Highlighting Feature support added
- Zebra Camera Application is introduced to ET40/ET45 devices with current version of SW. Features supported include
  - o Consumer phone style UI for easier workforce adoption
  - o Built-in QR Code decode for accessing internal or external websites
  - o Dirty lens detection and warning to reduce the chance of taking photos with obstructed lens
  - o Integrated Google Lens feature
  - o Better image quality in wider variety of lighting conditions
- Added functionality to Zebra Bluetooth Manager to enable or disable the default silent pairing option as out of box it is enabled always and no option was available to disable it previously.
- DataWedge now has Zebra Camera added to the disabled App list so DW will not get enabled when camera App is running.

o Resolved Issues

- SPR-47094 – Resolves an issue where, ET40 does not connect to AirWatch Server when device is connecting to the network through a Proxy PAC file.

- SPR-46408 – Resolves an issue where, StageNow Not showing downloading pop up when downloading OS update file from custom ftp server

- SPR-46162 – Resolves an issue where, USB keyboard stop working when using USBMgr, a parameter called "Access device storage from PC via USB" is set to disable.

- SPR-46418 – Resolves an issue where, License through Proxy is failing from StageNow

- SPR-47128 – Resolves an issue where, App installed manually to device failed to uninstall via StageNow/EMDK uninstall from App Manager

- Fixed an issue where, using wireless insights concurrently with WLAN voice calls not supported.

- Fixed an issue where, A customer using a proxy PAC file which has isInNet() JavaScript API to direct the traffic to intranet vs extranet or similar functionality will not be able to establish a connection to the desired endpoint without switching to an alternate API.

- Fixed an issue where, "ping" functionality of "Wireless Analyzer" will not be supported for 802.11ax.

- SPR-47903 – Resolves an issue where, location services crash triggers a device rescue party mode.

- SPR-47767 – Resolves an issue where, incorrect screen size information shown when queried through benchmark SW.

- SPR-47707 – Resolves an issue where, regular ANRs seen when DW and EMDK was used with work profile

- SPR-47670 – Resolves an issue where, application requiring large heap size crashed

- SPR-47926 – Resolves an issue where, available SSID's are not always showing up / connecting

- SPR-47856 – Resolves an issue where, occasionally WLAN disconnects and does not connect back especially with ISP provided Aps.

- SPR-47768 – Resolves an issue where, WLAN reconnection not successful when the device leaves a known network for longer periods of time.

- Fixed an issue where, when enterprise reset is done on a device where MDNA license is enabled, persisted configuration settings for Zebra Volume Control and Bluetooth Manager which is persisted using the Persist Manger need to be re-configured after the enterprise reset.

o **Usage Notes**

- None

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	11-23-29.00-RG-U03-STD-GSE-04
Android Version	11
Security Patch level	August 05, 2023
Component Versions	Please see Component Versions under Addendum section

Device Support

The products supported in this release are ET40S, ET40L, ET45S and ET45L series product. Please see device compatibility details under Addendum Section. *This SW is not approved Verizon carriers yet and once approved updated release notes with the supported device part numbers would be published*.

Known Constraints

- Due to Google security constraint, products introduced with Android 11 as the base OS limits the "adb push" command to copy files only to /data partition hence pushing files directly to /enterprise or sub folder of enterprise partition using "adb push" command will not be supported. Please see respective product documentation for further details on path changes related to this constraint.

- In the current version of SW Released, Wi-Fi Hotspot feature is disabled. This is expected to get enabled back in future maintenance release.

- "Messages for Web" feature is not fully supported with the current version of SW as after a device reboot it does not allow to pair with another browser unless a factory reset is done.

- Battery manager charging status is shown as "Not Charging" once the battery is fully (100%) charged instead of showing as "Full" once Zebra Charge Manager feature is enabled.

- Camera Manager CSP is not supported on ET40/ET45 Devices.

- Device display will be force rotated to landscape once the device is placed in a cradle. If this needs to be disabled, contact your Zebra support channel for more information.

Important Links

- Installation and setup instructions (if the link does not work, please copy It to browser and try)
- Zebra Techdocs
- Developer Portal

Addendum

Device Compatibility

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

This SW is not approved Verizon carriers yet and once approved updated release notes with the supported device part numbers would be published.

Device Family	Part Number		Device Specific Manuals and Guides
ET40S	ET40AA-001C1B0-NA ET40AA-001C1B0-FT ET40AA-001C1B0-A6 ET40AA-001C1B0-IN ET40AA-001C1B0-TR ET40AA-001C1B0-XP ET40AA-001C1BM-NA	ET40AA-001C2B0-A6 ET40AA-001C2B0-TR ET40AA-001C2B0-NA ET40AA-001C2BM-NA	ET40 Home Page
ET40L	ET40AB-001C1B0-NA ET40AB-001C1B0-FT ET40AB-001C1B0-A6 ET40AB-001C1B0-IN	ET40AB-001C1BM-IN ET40AB-001C1BM-A6 ET40AB-001C2B0-A6 ET40AB-001C2B0-TR	

	ET40AB-001C1B0-TR ET40AB-0H1C1B0-A6 ET40AB-0H1C1B0-FT ET40AB-0H1C1B0-IN ET40AB-0H1C1B0-NA ET40AB-0H1C1B0-TR ET40AB-001C1BM-NA ET40AB-0H1C1BM-NA	ET40AB-0H1C2B0-A6 ET40AB-0H1C2B0-NA ET40AB-0H1C2BM-NA ET40AB-001C2B0-NA ET40AB-001C2BM-NA	
ET45S	ET45CA-101D1B0-A6 ET45CA-101D1B0-IN ET45CA-101D1B0-ID ET45CA-101D1B0-TR ET45CA-101D1B0-XP ET45BA-101D1B0-FT ET45BA-101D1B0-NA ET45BA-101D1BM-NA	ET45CA-101D2B0-A6 ET45CA-101D2B0-TR ET45CA-101D1BI-IN ET45BA-101D2B0-NA ET45BA-101D2BM-NA	
ET45L	ET45CB-101D1B0-A6 ET45CB-101D1B0-IN ET45CB-101D1B0-TR ET45CB-101D1B0-XP ET45CB-1H1C1B0-A6 ET45CB-101D2B0-A6 ET45CB-101D2B0-IN ET45CB-101D2B0-TR ET45BB-101D1B0-FT ET45BB-101D1B0-NA ET45BB-1H1C1B0-FT ET45BB-1H1C1B0-NA ET45BB-101D2B0-FT ET45BB-101D2B0-NA ET45BB-101D1BM-NA ET45BB-101D2BM-NA ET45BB-1H1C1BM-NA	ET45CB-101K2B0-A6 ET45BB-101K2B0-NA ET45CB-1H1C2B0-A6 ET45CB-101D1BI-IN ET45BB-101K2B0-FT ET45BB-1H1C2B0-NA ET45BB-1H1C2BM-NA	ET45 Home Page

The below list of SKUs will not be allowed to downgrade below June LG patch (BSP 11-23-29)

ET40AB-001C1BM-IN ET40AB-001C1BM-A6 ET40AA-001C2B0-NA ET40AA-001C2BM-NA ET40AA-001C2B0-A6 ET40AA-001C2B0-TR ET40AB-001C2B0-NA ET40AB-001C2BM-NA ET40AB-001C2B0-A6 ET40AB-001C2B0-TR ET40AB-0H1C2BM-NA ET40AB-0H1C2B0-A6 ET40AB-0H1C2B0-NA ET45BA-101D2B0-NA ET45BA-101D2BM-NA	**SE5500 SKUs:** ET45CB-101K2B0-A6 ET45BB-101K2B0-NA ET45BB-101K2B0-FT

ET45CA-101D2B0-A6 ET45CA-101D2B0-TR ET45BB-1H1C2B0-NA ET45BB-1H1C2BM-NA ET45CB-1H1C2B0-A6 ET45CA-101D1BI-IN ET45CB-101D1BI-IN	

Component Versions

Component / Description	Version

Acoustic Profiles	ET4XS: General: ET4XS-R-1.2
	              Cellular: N/A
	ET4XL: General: ET4XL R-2.4
	              Cellular: N/A

Audio	0.1.0.0
AnalyticsMgr	10.0.0.1002
Android SDK Level	30
Base Band Version	MPSS.HI.4.3.1-01282-MANNAR_GEN_PACK-1
Battery Manager	1.4.1
Bluetooth Pairing Utility	3.27
Camera Tuning	Camera 0: 02.C.OV13B10.08 Camera 1: 02.C.GC5035.04
DataWedge	11.4.205
EMDK	11.0.134.4034
Files	11
GMS	[11_202203]
License Manager	License Manager: 6.1.1 License Agent Version: 6.1.3.5.0.3
Linux Kernel	5.4.210
MXMF	11.9.0.18
NFC	PN7160_AR_11.02.00
OEM info	9.0.0.699

OSX	SD6375.110.21.37
RXLogger	7.75.5.31
Scanning Framework	37.9.12.10
StageNow	11.9.0.1
Touch Panel (FW)	7.0.0.1.10.1.0.5
WLAN	Version: FUSION_SA_5_4.0.0.007_R Firmware Version: 18.35.387.23.1308.11
Wireless Analyzer	WA_A_3_1.1.0.016_R Wireless Analyzer: 3.2.13
WWAN	HW MBN: HW_DEFAULT: 0AE10104 SW MBN: SIM 0: ROW_Commercial
Zebra Bluetooth	Service: 11.4.2 Settings: 11.0.5
Zebra Camera	2.0.24
Zebra Data Service	10.0.4.1263
Zebra Device manager	11.9.0.33
Zebra Volume Control	3.0.0.91
Chrome and webview version	97.0.4692.98

Revision History

Rev	Description	Date
1.0	Initial release	July 27, 2023