Release Notes – Zebra Android 13

13-27-27.00-TG-U00-STD-GRT-04 Release (GMS)

Highlights

This Android 13 GMS release 13-27-27.00-TG-U00-STD-GRT-04 covers TC15 series product. Please see, device compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
GR_FULL_UPDATE_13-27-27.00-TG-U00-STD-GRT-04.zip	Full Update Package
GR_DELTA_UPDATE_13-26-19.00-TG-U00-STD_TO_13-27-27.00-TG-U00-STD.zip	Delta package from previous release 13-26-19.00-TG-U00-STD-GRT-04

Security Updates

This build is Compliant up to Android Security Bulletin of March 01, 2024.

LifeGuard Update 13-27-27.00-TG-U00-STD-GRT-04

This LG patch is applicable for 13-26-19.00-TG-U00-STD-GRT-04 version.

New Features

- **Scanner Framework**
  - Added support to Zebra POS Scanner/Scale.
  - Added support for COPE mode.

- **MX 13.2**
  - **Audio Manager adds the ability to**:
    - Control whether to show/hide vibration icon on the Status Bar, which indicates whether the device vibrates when Notifications are received.
  - **Audio Volume UI Manager adds the ability to**:
    - Control whether to allow the device user to show/hide the vibration icon on the Status Bar of the device.
  - **Cellular Manager adds the ability to**:

- o Configure Voice Over LTE settings with a JSON file.
- **UI Manager adds the ability to**:
  - o Control Large-screen Taskbar usage, which displays recent and pinned apps, plus a link to the app library.
  - o Control usage of the Active App List UI in the Notification panel on the device, potentially allowing the user to terminate apps running on the device.
  - o Identify external keyboard names using wildcard characters.
- **USB Manager adds the ability to:**
  - o Control MTP folder write access to Android/data and Android/obb folders on the device when Media Transfer Protocol is used.

- **WWAN**

  - SSD & SS enabled over IMS for Saudi Arabia.
  - Disabled MHS and setting for VZW Carrier.

- **DataWedge**

  - Added support for Digital Link parsing for GS1 barcodes in DataWedge

- **Bluetooth**

  - Smart leash feature support for device tracker application.
  - Added support device discovery, connection state.
  - Added feature to measure battery consumption per application.

- **Wireless Analyzer**

  - Improved analysis reports and error handling for Roaming and Voice Features, support for WPA3, 6E and MultiBSSID bug fix.

Resolved Issues

- SPR-51099 Fixed an issue where user is unable to scan in the Google Setup Wizard screen.
- SPR-51746 Fixed an issue where DataWedge is getting disabled when an EMDK scanning application is launched soon after a reboot.
- SPR-52011 Resolved an issue wherein a delay in processing EMDK profiles were observed.
- SPR-51954 Resolved an issue wherein location or other configuration were not working without cope mode enabled in device.
- SPR-51686 Resolved an issue wherein FileMgr was reporting download completed before the file downloaded successfully.
- SPR-51491 Resolved an issue wherein MX Display configuration caused screen to dim but not time out.
- SPR-51888 Resolved an issue wherein "Shift" + "Force State OFF" mapping was not working.
- SPR-52138 Resolved an issue wherein DM session authentication failure observed with Verizon carrier.

- SPR-50739 Resolved issue wherein hardware picklist is not working in NG Simulscan Multibarcode mode.
- SPR-51297 Corrected device transport type for BLE connections.
- SPR-51976 Resolved an issue with Autorotate Disabled for ET4X.

LifeGuard Update 13-26-19.00-TG-U00-STD-GRT-04

This LG patch is applicable for 13-23-30.00-TG-U00-STD-GRT-04 version.

- **New Features**
  - None

- **Resolved Issues**
  - None

- **Usage Notes**
  - None

- **Known Constraints**
  - None

LifeGuard Update 13-23-30.00-TG-U00-STD-GRT-04

This LG patch is applicable for 13-23-30.00-TG-U00-STD-GRT-04 version.

Updated below mentioned components:
Chrome and WebView   115.0.5790.166
GPSU   October-2023 Mainline

- **New Features**
  - UI Manager adds the ability to Show/hide Immersive Mode pop-up warning.
  - Pop-up suppression and USB controlling Application.
  - Allows capture of either a barcode or OCR (single word) by centering the desired target with the aiming crosshair or dot. Supported on both Camera and Integrated Scan Engines.

- **Resolved Issues**

- SPR51331 – Resolved an issue where Scanner remained in DISABLED status after suspending and resuming the device.
- SPR51244/51525 – Resolved an issue where ZebraCommonIME/Data Wedge getting set as primary Keyboard.
- SPR51101 -- Resolved an issue wherein few chars were getting missed in decoded barcode data while performing scanning in HID mode.
- SPR51467 - Resolved an issue wherein VoLTE config for a certain carrier was not connecting to 5G.
- SPR48241 - Resolved an issue wherein System UI was crashing with MobileIron's DPC launcher on long pressing of back button from keyboard.
- SPR50986 - Resolved an intermittent issue wherein Datawedge profile with UPCA settings was not getting created programmatically.
- SPR-51480 - Resolved an issue wherein Shift key functionality with ForceStateOFF was not working.

- ## Usage Notes
  - None

- ## Known Constraints
  - None

LifeGuard Update 13-21-05.00-TG-U00-STD-GRT-04

New Features
- This is an initial Android 13 GMS release for TC15 family of products.
- In A13 Quick setting UI has changed.
- In A13 Quick setting UI QR scanner code option is available.
- Initial Beta Release of Zebra Showcase App (Self Updatable) explores the latest features and solutions, a platform for new demos built on Zebra Enterprise Browser.
- DWDemo has moved to ZConfigure folder.

Resolved Issues
- SPR48680 Resolved an issue with Video conference over WEB RTC (Real Time Communication)
- SPR48197 Resolved an issue with Device freeze and reboot after a specific SIM is inserted.
- SPR50196 Resolved an issue with Display randomly blinks off on when in workstation cradle.
- SPR50306 Resolved an issue with intermittently fail to emit scan beam.
- SPR50527 Resolved an issue with reboot with specific carrier.
- SPR51037 Resolved an issue with Scan beam issue.
- SPR50307 Resolved an issue with unexpected reboots.
- SPR50571 Resolved an issue with Manual Screen Rotation Doesn't Rotate the Screen.
- SPR50667 Resolved an issue with Bluetooth disconnections with payment pin terminal.

- SPR50862 Resolved an issue with wrong APN proxy & mms setting for Swisscom fix porting.
- SPR47670 Resolved an issue with Application crashing
- SPR47886 Resolved an issue with Synaptic FW
- SPR48803 Resolved an issue with MX UI Setting LockOverrideButton throws exception Feature is not supported.
- SPR50166 Resolved an issue with Verizon network connection .
- SPR48504 Resolved an issue with access internal site by URL.
- SPR47061 Resolved an issue with MX APK Upgrade.
- SPR47856 Resolved an issue with WLAN disconnection .
- SPR47926 Resolved an issue with Available SSID's are not always showing up / connecting
- SPR50640 Resolved an issue with DUT not able to ping Hostname if changed MX 11.6
- SPR51205 Resolved an issue with DUT seems to have same BT SCO 4kHz .
- SPR47128 Resolved an issue with App installed manually to device failed to uninstall via Stagenow/ EMDK
- SPR47285 Resolved an issue with TN28 enter to Rescue Party mode after called the reboot from MX under DO mode of China Unicom MDM.
- SPR47767 Resolved an issue with ET45 incorrect screen size information shown
- SPR47903 Resolved an issue with ET40 location services crashing.
- SPR47925 Resolved an issue with ET45 display reverting to landscape mode when docked
- SPR48182 Resolved an issue with SOTI script resetpassword is setting screen lock to Password instead of PIN.
- SPR48705 Resolved an issue with ET45 rotating when in cradle.
- SPR51024 Resolved an issue with ET4x Lock Override button is not working.
- SPR50755 Resolved an issue with decomission battery error.
- SPR47768 Resolved an issue with WLAN reconnection issue.
- SPR51024 Resolved an issue with ET4x Lock Override button is not working.

Usage Notes

- None

Known Constraints

- DHCP Option 119 & Auto PAC Proxy feature is currently not supported in this release. Zebra is working on enabling these 2 features in future Android 13 releases.
- Ethernet configuration static to DHCP is not supported via Mx in this release.
- To apply Delta OTA packages, use StageNow/MDM solution. Delta OTA packages are not supported in Recovery mode.
- Data will not be Persisted if we upgrade to this A13 image from A11 image with greater SPL Version .
- Upgrading to this A13 OS version from A11 will not work on 1mbps network until this issue is fixed in A11 image .
- In mirror mode if device and external display resolution are different , UI flicker will be observed when Undock/ dock the device.
- OTA update from AB - /storage/usbotg/ will take more than 2 minutes to initiate.
- In landscape mode when display and font is set to maximum, Lock icon will not be visible .
- Wireless insights and wireless analyzer are not supported in this release. will be supported in a later SW Update
- Workstation Connect is not supported on this release, compatibility with this solution will be introduced on an upcoming release.
- Zebra apps do not support Android Work Profiles or any COPE Mode features. Zebra is working on enabling these features in future Android 13 releases.

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	13-27-27.00-TG-U00-STD-GRT-04
Android Version	13
Security Patch level	Mar 01, 2024
Component Versions	Please see Component Versions under Addendum section

Device Support

The products supported in this release are TC15 series products. Please see device compatibility details under Addendum Section.

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.

Device Family	Part Number		Device Specific Manuals and Guides
TC15	TC15BK-1PE14S-A6 TC15BK-1PF14S-A6 TC15BK-1PF14S-BR	TC15BK-1PE14S-IA TC15DK-1PE14S-ID TC15BK-1PE14S-TK	TC15 Home Page

Component Versions

Component / Description	Version
Acoustic Profiles	General:TC15-T-1.1 Cellular: TC15-T-1.1
Audio	0.12.0.0
AnalyticsMgr	10.0.0.1008
Android SDK Level	33
Base Band Version	MPSS.HI.4.3.4-00572-MANNAR_GEN_PACK-1
Battery Manager	1.4.7
Bluetooth Pairing Utility	Application Version: 6.3.11 Build Version: 6.1
Camera	2.04.102 (164-00)
DataWedge	13.0.218
EMDK	13.0.13.4713
Files	version 13
GMS	13_202304
License Manager	6.1.3
MXMF	13.2.0.32
NFC	NFC_NCIHALx_AR18C0.13.01.00
OEM info	9.0.0.1005
OSX	QCT6375.130.13.19.15
RXLogger	13.0.12.27
Scanning Framework	41.17.8.0
StageNow	Application version: 13.0.0.0 Build Version: 13.2.0.32
Touch Panel (FW)	Touch Version: 0x0a Mode: Finger only
Zebra Bluetooth	13.4.1
Chrome and WebView	115.0.5790.166
GPSU	October-2023 Mainline

Revision History

Rev	Description	Date
1.0	Initial release	March 21, 2024