

Release Notes – Zebra Android 13

13-38-19.00-TG-U00-STD-ATH-04 Release (GMS)

Highlights

This Android 13 GMS release 13-38-19.00-TG-U00-STD-ATH-04 covers TC22, TC27, HC20, HC50, HC25, HC55, TC53, TC58, TC73, TC78, EM45, ET60, ET65 and KC50 family of products.

Please see device compatibility under the Addendum section for more details.

Software Packages

Package Name	Description
AT_FULL_UPDATE_13-38-19.00-TG-U00-STD-ATH-04.zip	Full package update
ATH_DELTA_UPDATE_13-33-18.00-TG-U00-STD_TO_13-38-19.00-TG-U00-STD.zip	Delta package update from 13-33-18.00-TG-U00 TO 13-38-19.00-TG-U00-STD release <i>Applicable for: TC22, HC20, HC50, TC27</i>
ATH_DELTA_UPDATE_13-34-23.00-TG-U00-STD_TO_13-38-19.00-TG-U00-STD.zip	Delta package update from 13-34-23.00-TG-U00 TO 13-38-19.00-TG-U00-STD release <i>Applicable for: TC53, TC58, TC73, TC78, ET60, ET65, HC55</i>
ATH_DELTA_UPDATE_13-36-10.00-TG-U00-STD_TO_13-38-19.00-TG-U00-STD.zip	Delta package update from 13-36-10.00-TG-U00 TO 13-38-19.00-TG-U00-STD release <i>Applicable for: HC25, KC50</i>
ATH_DELTA_UPDATE_13-36-20.00-TG-U00-STD_TO_13-38-19.00-TG-U00-STD.zip	Delta package update from 13-36-20.00-TG-U00 TO 13-38-19.00-TG-U00-STD release <i>Applicable for: EM45</i>

LifeGuard Update 13-38-19.00-TG-U00

- LifeGuard Update 13-38-19.00-TG-U00 is compliant up to [Android Security Bulletin](#) of February 01, 2025.
- The BSP versions **13-34-23** and **13-36-10** for TC22/TC27/HC20/HC50 have been removed from the Zebra Support Portal to avoid issues with OS upgrades. **Note: there are no security issues associated with the upgrade problem.** If you have one of these OS's already installed on your TC22/TC27/HC20/HC50/ HC25/ HC55/ EM45 devices, it is mandatory to first install this February 2025 Android 13 LifeGuard release (**13-38-19**) before proceeding with any updates to the Android 14 OS.

○ New Features

- **Restriction for skip setup wizard:**
 - Due to new mandatory privacy requirements from Google, the Setup Wizard Bypass feature has been discontinued on devices running Android 13 and later. Consequently, it is now restricted to skip the Setup Wizard screen, and the StageNow barcode will not function during the Setup Wizard, displaying a toast message stating “Not supported.”
 - If the Setup Wizard has already been completed and its data was configured to persist on the device in the past, there is no need to repeat this process following an Enterprise Reset.
 - For more details, please refer to the Zebra FAQ documentation: <https://techdocs.zebra.com/zebradna/latest/faq/#setupwizardsuw>
- **MX 14.1:**
 - **Access Manager** adds the ability to Control device-user access to the Zebra RxLogger diagnostics utility on the device.
 - Skip Set up wizard no longer supported in first boot and setup wizard needs to be configured manually.
- **MX 14.0:**
 - **Access Manager** adds the ability to Individually control device-user access to Accessibility and Network settings in the Android Settings panel.
 - **App Manager** adds the ability to Use the App Feature parameter to automatically launch an app or reboot the device after installation.
 - **Display Manager** adds the ability to Control the Secondary Monitor Auto-rotation when a device is placed in a cradle connected to a monitor.
 - **UI Manager** adds the ability to Select a Navigation Method for switching between screens on a device. Control Color Inversion on the device. Control TalkBack feature, which speaks words displayed on the device screen.
- **KeyEvent 3.0.30:**
 - Added support to combine key remapping and double trigger mapping to single barcode.
 - Added support to remap a key with flashlight application.

- **Camera 2.5.11:**
 - Added support for camera driver for a new VCM 16MP rear camera module on TC53, TC58, TC73, TC78, ET60 and ET65
 - Added support for Dirty lens detection, when the camera application is opened and if the camera lens is dirty it pops up a message to users as “Lens may be dirty”.

- **WLAN:**
 - Added Support for Restricted Tethering (Wi-Fi sharing through hotspot).

- **RXLogger 13.0.12.82:**
 - Added the Persist Logging option in the Logcat module.

- **Display / UI:**
 - Added support for animated screen saver on KC50 devices where users can select custom animated screen savers which needs to displayed during inactivity.
 - Added support for wake on touch on KC50 devices, where users can double tap to wake the screen.

- **Zebra Power Manager 2.0:**
 - Changed default power configurations for KC50 devices.
 - Added support for applying and exporting custom power configurations for KC50 devices using Zebra Power Manager configurator application.
 - Added support for applying exported power manager configuration through File Manager in StageNow for KC50 devices.

- **Resolved Issues**
 - SPR-54602: Enabled n77 SA/NSA band for all major countries.
 - SPR-53873: Resolved an issue wherein the device sometimes does not activate Verizon SIM when SIM card is place in SIM slot 2.
 - SPR-54982: Resolved an issue wherein TC58 device sometimes get stuck in boot loop after the E-SIM is activated.
 - SPR-52847: Resolved an issue wherein device gets disconnected after 8 hours of constant connection using Fast roam.
 - SPR-55425: Resolved an issue wherein TC58 and TC53 devices reboots on their own when 6GHZ WI-FI ONLY option is enabled.
 - SPR-54849: Resolved an issue wherein on TC27 the battery level varies after reboot or battery swap.
 - SPR-54787 / SPR-54788: Improved Tuning for the VoIP and Cellular handset of the first initial 10 sec attenuation on all the bands and improves audio volume quality on calls.
 - SPR-54519 / SPR-55000: Resolved issues with Audio and ringing quality on TC27 device.
 - SPR-55212: Resolved an issue wherein on HC50 device the screen flashes when power-key is pressed.

- SPR-55313: Resolved an issue wherein some intent commands were not deploying as expected over ADB.
- SPR-54771: Resolved an issue wherein device stuck on splash screen and not booting even after reboot when the device is at low battery level.
- SPR-54688: Resolved an issue wherein the locked orientation setting doesn't work properly after the screen is locked or unlocked.
- SPR-55016: Added support to remap a key with flashlight application.
- SPR-51659: Resolved an issue wherein Key Programmer does not open in Kiosk mode.
- SPR-54927: Resolved an issue wherein some of the external keyboard layouts were not getting set same as locale settings.
- SPR-54952: Resolved an issue wherein the IntentManager was not working as expected when multiple intentMgr settings were configured sequentially.
- SPR-54744: Resolved an issue where the free fall detection doesn't work as expected.
- SPR-54698: Resolved an issue wherein the Device Central application does not acquire the full list of peripheral information on next-gen TC5x and TC7x devices.
- SPR-54018: Resolved an issue wherein the Data Wedge Switch Params API is not working as expected when Hardware trigger is disabled.
- SPR-54624: Resolved an issue wherein the scan aimer is not showing on TC22 device with SE4170 scan engine when Free-Form image capture has been enabled.
- SPR-54357: ET45 Interment Scanner Issue.
- SPR-54626: Resolved an issue wherein RS5100 getting disconnected while attempting VOIP call on same mobile device over headset HS3100.

○ Usage Notes

- Devices with the new camera module cannot be downgraded – the minimum build requirement on Android 11 is **11-42-08.00-RG-U00-STD-ATH-04** or newer, Android 13 is **13-38-19.00-RG-U00-STD-ATH-04** or newer and on Android 14 **14-20-14.00-UG-U87-STD-ATH-04** or newer.
- To identify the new camera type user can check 'ro.boot.device.cam_vcm' using getprop from the adb. Only new camera devices have **ro.boot.device.cam_vcm=86021**

LifeGuard Update 13-36-10.00-TG-U00

- LifeGuard Update 13-36-10.00-TG-U00 is the **first release** for **HC25** no scanner ROW SKU.

○ Resolved Issues

- SPR-54656: Resolved an issue wherein device fails to use proxy PAC.

- SPR-54502: Resolved an issue wherein Screen Blanking Solution was not working as expected on ET60 device.
- SPR-55024: Resolved an issue wherein 123RFID application gets uninstalled after reboot on TC73 device.
- SPR-54518: Resolved an issue where in device stuck on splash screen and not booting even after reboot.

○ Usage Notes

- None

LifeGuard Update 13-34-23.00-TG-U00

- LifeGuard Update 13-34-23.00-TG-U00 is the **first release** for **EM45**, **HC25** and **HC55** products.

○ New Features

- **Bluetooth:**
 - Added support to control BLE scan based on application package.
- **Scanning 42.37.14.0:**
 - Added support for Regular Expression checking in Free-Form OCR and Picklist + OCR workflows.
- **DataWedge 14.1.32:**
 - Added support for export/import configurations to/from a public folder in DataWedge.
 - Added support for custom delimiters (alphanumeric) under the "Data Formatting & Ordering" section under UDI Specific, Multibarcodes Specific and Workflow specific workflows.
 - Added support for parenthesis around AIs (Application Identifiers) under the "Data Formatting & Ordering" section under UDI Specific, GS1 specific.
- **RXLogger 13.0.12.80:**
 - Added a "Reset to Default" option in the three-dot menu in RxLogger Settings to reset the configurations back to default.
 - Added a "Delete Logs" option in the 3-dot menu on RxLogger home page to delete the logs and backup.

- Added a "Bugreport" option in the 3-dot menu on RxLogger home page to trigger the bugreport.

- **Zebra Power Manager 2.0:**
 - Changed default power configurations for KC50 devices.

 - Added support for applying and exporting custom power configurations for KC50 devices using Zebra Power Manager configurator application.

 - Added support for applying exported power manager configuration through File Manager in StageNow for KC50 devices.

- **Resolved Issues**
 - SPR-53368: Resolved an issue wherein E-SIM activation on TC27 device was failing through SOTI.

 - SPR-54154: Resolved an issue wherein the wireless antennas on ET60 device stops working randomly until a reboot.

 - SPR-54111: Resolved an issue wherein OEMconfig information was not reflecting on TC27 device.

 - SPR-54018: Resolved an issue wherein SWITCH PARAMS API was not working as expected when trigger was disabled.

 - SPR-54602 / SPR-53860 / SPR-54389: Enabled n77 SA/NSA band for all major countries in RoW region.

 - SPR-54671: New NFC firmware update (12.50.0E) for PN7160/PN7161 based devices.

 - SPR-54026: Resolved an issue wherein inverse QR code parameters were still available to be set by applications even though it was not supported.

 - SPR-54264: Resolved an issue wherein TC21 snap on trigger was not working when DS3678 was connected.

 - SPR-53808: Resolved an issue wherein devices were not able to scan Enhanced Dot Datamatrix labels consistently.

 - SPR-54309: Resolved an issue wherein diamond key was incorrectly handled on MC22 devices.

 - SPR-54811: Resolved an issue wherein poor audio quality was observed during VOIP calls on HC20 and HC50 devices.

 - SPR-54105: Resolved an issue with SSI mode failure/unable to scan on ET40/DS818.

 - SPR-54342/SPR-54957: Resolved an issue wherein Notification Manager would fail to work as expected.

- SPR-53388: SE55 Scan Engine firmware update **R09** to include Critical bug fixes, and performance enhancements.

- **Usage Notes**

- None

LifeGuard Update 13-33-18.00-TG-U00

- **New Features**

- **RFID:**
 - Added software support for ET60 and ET65 external RFID accessory.

- **Resolved Issues**

- SPR-54231: Improved Wi-Fi Logging.
- SPR-54589: Resolved an issue wherein PD20 card reader does not power on when not connected to charger.

- **Usage Notes**

- To use the RFID accessory for ET60 and ET65, devices must have 13-33-18.00-TG-U00-STD-ATH-04 or higher to ensure full functionality of the RFID accessory.

LifeGuard Update 13-32-21.00-TG-U00

- **New Features**

- **WLAN:**
 - Enabled support of WLAN band 3 channel for India.
- **RXLogger 13.0.12.72:**
 - Added a "Reset to Default" option in the three-dot menu in "Instant Logging" module settings to reset the configurations back to default.
- **WWAN:**
 - Added support for Advantix smart sim (carrier bundle requirement) solution, added some special carrier APNs and related carrier configurations on framework side.
- **Compass Sensor:**
 - Added support for new the eCompass sensor which will be available in TC22, TC27, HC20 and HC50 products.
- **Zebra Bluetooth 13.7.2:**
 - Added localization support for Zebra Bluetooth Module.

- **Scanner Framework 42.14.7.0:**
 - Added support for new Configurable Focus Parameters offered for devices with SE55 Scan Engine.
- **Resolved Issues**
 - SPR-53784: Resolved an issue wherein chrome changes tabs while using L1 and R1 keycode.
 - SPR-53548 / SPR-53612: Resolved an issue wherein a random double decode occurred while using the physical scan buttons on TC22/TC27 and HC20/HC50 devices.
 - SPR-53616: Resolved an issue wherein vibrate icon is showing in statusbar on HC50 device.
 - SPR-53470: Resolved an issue wherein same stagenow profile has different behaviour on Android 11 and Android 13.
 - SPR-53777 / SPR-53899: Resolved an issue where all application permissions were accessible to the user in System restricted with Reduced Accessibility.
 - SPR-53434: Resolved an issue wherein display resolution gets reset when docked on workstation cradle.
 - SPR-53073: Resolved an issue wherein device was experiencing choppy Audio during voice call in low RSSI.
 - SPR-53622: Updated APN settings for TDC Telmore MVNO MCC/MNC 238/01.
 - SPR-54037: Addressed below requirements for e-SIM configuration:
 - If the profile with the given nickname is already downloaded and any attempt to download the profile with the same nickname should show success.
 - Need to have operational continuity, when the profile with the same nickname is being downloaded again.
 - Resolved an issue wherein Wi-Fi generation is not showing on Wi-Fi scan page.
 - Resolved an issue wherein Wi-Fi Hotspot could not be enabled using Stagenow barcode.
- **Usage Notes**
 - Devices with the new eCompass require this 13-32-21.00-TG-U00-STD-ATH-04 or higher to ensure full functionality of the new eCompass sensor
 - To identify eCompass type, users can check 'ro.boot.device.compass' property using getprop command from adb.
 - Devices with **new** eCompass (QMC6308) will have [ro.boot.device.compass]: [128].
 - Devices with **old** eCompass will have [ro.boot.device.compass]: [64].

LifeGuard Update 13-29-20.00-TG-U01

- LifeGuard Update 13-29-20.00-TG-U01 contains security updates only.
- This LG patch is applicable for 13-29-20.00-TG-U00-STD-ATH-04 BSP version.

- **New Features**

- None

- **Resolved Issues**

- None

- **Usage Notes**

LifeGuard Update 13-29-20.00-TG-U00

- This LG patch is applicable for 13-29-20.00-TG-U00-STD-ATH-04 BSP version.

- **New Features**

- **Scanner 42.13.5.0:**

- Picklist + OCR Enhancements | Picklist + OCR allows capture of either a barcode or OCR by centering the desired target with the aiming crosshair or dot. Supported on both Camera and Integrated Scan Engines. Enhancements include:
 - Text Structure: ability to capture a Single Line of text in addition to the initial release of a single word.
 - Report Barcode Data Rules: ability to set rules for which barcodes to capture and report.
 - Picklist Mode: ability to allow for Barcode or OCR, or limit to OCR only, or Barcode Only.
 - Decoders: ability to enable capture any of Zebra supported decoders, previously only the default barcodes were supported.
- Added support for postal codes (via camera or imager) in
 - Free-Form Image Capture (workflow Input) – Barcode Highlighting/Reporting
 - Barcode highlighting (Barcode Input).

- **OSX 130.13.22.20:**

- Added a new MX feature which allows admin to show/hide the Remote Cast/Control icon in status bar when device is remotely controlled.
- Added a new MX feature which allows admin to show/hide Keyguard screen on remote display.

- **MXMF 13.3.0.49:**

- DevAdmin adds the ability to control Android Lock Screen visibility on the remote console if the Lock Screen appears on a device while being remotely controlled.
- Display Manager adds the ability to select screen resolution on the secondary display when a device is connected to an external monitor through a Zebra Workstation Cradle.
- UI Manager adds the ability to control whether to display the remote-control icon in the Status Bar when the device is being remotely controlled or viewed.

- **DataWedge 13.0.323:**

- Support has been added to enable and disable decoders, such as US4State and other Postal decoders, in the Free-Form Image Capture Workflow and other workflows where applicable.
- New Point & Shoot feature: Allows the simultaneous capture of both barcodes and OCR (defined as a single alphanumeric word or element) by simply pointing at the target with the crosshair in the viewfinder. This feature supports both Camera and Integrated Scan Engines

and eliminates the need to end the current session or switch between barcode and OCR functionalities.

- **ZDM 13.3.0.49:**

- Ethernet Manager adds the ability to:
 - Set the authentication type when configuring a network connection.
 - Enter the username when configuring a network connection.
 - Enter the password when configuring a network connection.
 - Enter the domain name when configuring a network connection.
 - Enter a mandatory client certificate to validate a user on a network.
 - Enter an optional CA certificate to validate a server on a network.

- **KeyEvent:**

- Added support for Package name when remapping a key to send intent as broadcast.

- **WWAN:**

- Added support for Telus IoT eSIMs.
- Added Support to query set of Preferred APN details (Eg: Preferred APN Name, MCC, MNC, Display Name, APN Type, MVNO Type, MVNO MatchData) using OEMInfo content provider URI.

- **WLAN:**

- Added Support for 802.1x cabled connections.

- **Resolved Issues**

- SPR-51755: Resolved an issue wherein notification setting was still accessible when App Notification control was disabled.
- SPR-52455: Resolved an issue where Bluetooth HID devices were getting disabled when USB module usage is disabled.
- SPR-52603: Resolved an issue wherein disabling mute and vibrate through StageNow is not working on HC50.
- SPR-52606: Resolved an issue wherein the Alert Button would not work as expected.
- SPR-52492: Resolved an issue wherein EMDK APIs invoking is taking longer time compared to previous deserts.
- SPR-52539 / SPR-52325: Resolved an issue wherein DataWedge scanning was not working after device resumes back from suspend state.
- SPR-52643: Resolved an issue wherein Device Central App was not able to display serial number and firmware version of the tethered scanner.
- SPR-53291 / SPR-52786 / SPR-52662: Resolved an issue wherein Verizon data only accounts are not activating.
- SPR-52315: Resolved an issue with VoLTE SIM cards on TC78 devices.
- SPR-53083: Resolved an issue to ensures proximity sensor operates without user data being transferred.
- SPR-53286: Resolved an issue wherein remapping a key for the grey table fails.
- SPR-53153: Resolved an issue wherein Getting the state of the active modifier list was always NULL.
- SPR-53473: Resolved an issue wherein TC27 home button stops working after some time.

- **Usage Notes**

- **MANDATORY:** This patch must be applied to devices to maintain EU Compliance. Future releases will include this update. Affected Models ET65.

LifeGuard Update 13-27-06.00-TG-U01

- LifeGuard Update 13-27-06.00-TG-U01 contains security updates only.
- This LG patch is applicable for 13-27-06.00-TG-U00-STD-ATH-04 BSP version.
 - **New Features**
 - None
 - **Resolved Issues**
 - None
 - **Usage Notes**
 - None

LifeGuard Update 13-28-04.00-TG-U00(*Applicable for ET65 Only*)

- This LG patch is applicable for 13-28-04.00-TG-U00-STD-ATH-04 BSP version.
 - **New Features**
 - **Scanner Framework:**
 - Integrated support for MP7000 scanner and scale.
 - **Zebra Device Manager:**
 - Control MTP folder write access to Android/data and Android/obb folders on the device when Media Transfer Protocol is used via USBMgr.
 - **DataWedge:**
 - Added support for Digital Link parsing for GS1 barcodes in DataWedge.
 - Added support for GS1 Parsing for Non-UDI GS1 barcodes in DataWedge.
 - **ZRP:**
 - PowerMgr - Set Recovery Mode Access to features that could compromise a device.
 - **Fusion:**
 - Support for multiple root certificates for Radius server validation.
 - **WWAN:**
 - USSD & SS enabled over IMS for Saudi Arabia.
 - **Bluetooth:**

- Smart leash feature support for device tracker application.
- **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:
 - Configure Voice Over LTE settings with a JSON file.
 - UI Manager adds the ability to:
 - Control Large-screen Taskbar usage, which displays recent and pinned apps, plus a link to the app library.
 - 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.
 - Identify external keyboard names using wildcard characters.
 - USB Manager adds the ability to:
 - Control MTP folder write access to Android/data and Android/obb folders on the device when Media Transfer Protocol is used.
- **Resolved Issues**
 - SPR-51525: Resolved an issue where ZebraCommonIME/DataWedge getting set as primary Keyboard.
 - SPR-51015: Resolved an issue where Caller Id getting disabled on opening caller id settings menu for first time.
 - SPR-52138: Resolved an issue where in failure to authenticate on Verizon OMA-DM server
 - SPR-52046: Resolved an issue where T-Mobile US was having difficulty in VoLTE.
 - SPR-51491: Resolved an issue wherein a MX configuration was preventing screen from timing out.
 - SPR-51099: Resolved an issue where scanner was not enabled to scan SUW bypass barcode.
 - SPR-52603: Resolved an issue where Stagenow disabling mute and vibrate not working in HC50.
 - SPR-51686: Resolved an issue wherein StageNow was not invoking EMM for enrollment.
 - SPR-5201: Resolved an issue wherein applying EMDK profiles was taking a long time.
 - SPR-51954: Resolved an issue wherein device was undergoing soft reset upon applying location state param.
 - SPR-51297: Resolved an issue wherein BT silent pairing was not working with pin code.
 - SPR-52026: Resolved an issue wherein certain encrypted params were not getting imported correctly in stage now.
 - SPR-50739: Resolved an issue wherein Hardware picklist was not working with NG Multi barcode setting.
 - SPR-51746: Resolved an issue wherein DataWedge would get into disabled state intermittently when EMDK App would execute early in boot.
 - SPR-51409: Resolved an issue wherein ZebraCommonIME was getting set as the default Input Method upon orientation change.

- SPR-52327: Resolved an issue wherein TC53 sometimes randomly reboots when it is undocked from WorkStationCradle
- SPR-52252: Resolved an audio side tone issue during cellular voice calls.
- SPR-52035/SPR-51952: Resolved an issue wherein specific QR codes were not being read properly.
- SPR-51467/SPR-51936 - Resolved an issue where in TC27 MTN carrier optimized setting preventing 5G communication.
- SPR 53388: Firmware Update for SE55 Scan Engine **R07** with **Critical bug fixes**, and performance enhancements. **This update is highly recommended”**.

○ Usage Notes

- Workstation Connect is now supported on this release, for details on compatibility please check [workstation-connect](#)

LifeGuard Update 13-27-06.00-TG-U00

- This LG patch is applicable for 13-27-06.00-TG-U00-STD-ATH-04 BSP version.

○ New Features

- **Scanner Framework:**
 - Integrated support for MP7000 scanner and scale.
- **Zebra Device Manager:**
 - Control MTP folder write access to Android/data and Android/obb folders on the device when Media Transfer Protocol is used via USBMgr.
- **DataWedge:**
 - Added support for Digital Link parsing for GS1 barcodes in DataWedge.
 - Added support for GS1 Parsing for Non-JDI GS1 barcodes in DataWedge.
- **ZRP:**
 - PowerMgr - Set Recovery Mode Access to features that could compromise a device.
- **Fusion:**
 - Support for multiple root certificates for Radius server validation.
- **WWAN:**
 - USSD & SS enabled over IMS for Saudi Arabia.
- **Bluetooth:**
 - Smart leash feature support for device tracker application.
- **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:
 - Configure Voice Over LTE settings with a JSON file.
- UI Manager adds the ability to:
 - Control Large-screen Taskbar usage, which displays recent and pinned apps, plus a link to the app library.
 - 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.
 - Identify external keyboard names using wildcard characters.
- USB Manager adds the ability to:
 - Control MTP folder write access to Android/data and Android/obb folders on the device when Media Transfer Protocol is used.

- **Resolved Issues**
 - SPR-51525: Resolved an issue where ZebraCommonIME/DataWedge getting set as primary Keyboard.
 - SPR-51015: Resolved an issue where Caller Id getting disabled on opening caller id settings menu for first time.
 - SPR-52138: Resolved an issue where in failure to authenticate on Verizon OMA-DM server
 - SPR-52046: Resolved an issue where T-Mobile US was having difficulty in VoLTE.
 - SPR-51491: Resolved an issue wherein a MX configuration was preventing screen from timing out.
 - SPR-51099: Resolved an issue where scanner was not enabled to scan SUW bypass barcode.
 - SPR-52603: Resolved an issue where Stagenow disabling mute and vibrate not working in HC50.
 - SPR-51686: Resolved an issue wherein StageNow was not invoking EMM for enrollment.
 - SPR-5201: Resolved an issue wherein applying EMDK profiles was taking a long time.
 - SPR-51954: Resolved an issue wherein device was undergoing soft reset upon applying location state param.
 - SPR-51297: Resolved an issue wherein BT silent pairing was not working with pin code.
 - SPR-52026: Resolved an issue wherein certain encrypted params were not getting imported correctly in stage now.
 - SPR-50739: Resolved an issue wherein Hardware picklist was not working with NG Multi barcode setting.
 - SPR-51746: Resolved an issue wherein DataWedge would get into disabled state intermittently when EMDK App would execute early in boot.
 - SPR-51409: Resolved an issue wherein ZebraCommonIME was getting set as the default Input Method upon orientation change.
 - SPR-52327: Resolved an issue wherein TC53 sometimes randomly reboots when it is undocked from WorkStationCradle
 - SPR-52252: Resolved an audio side tone issue during cellular voice calls.
 - SPR-52035/SPR-51952: Resolved an issue wherein specific QR codes were not being read properly.

- SPR-51467/SPR-51936 - Resolved an issue where in TC27 MTN carrier optimized setting preventing 5G communication.
- SPR 53388: Firmware Update for SE55 Scan Engine with **R07** support to include **Critical bug fixes**, and performance enhancements. **This update is highly recommended**".

- **Usage Notes**

- Workstation Connect is now supported on this release, for details on compatibility please check [workstation-connect](#)

LifeGuard Update 13-20-16.00-TG-U00(TC53, TC58, HC20, HC50)

- This LG patch is applicable for 13-20-16.00-TG-U00-STD-ATH-04 BSP version.

- **New Features**

- None

- **Resolved Issues**

- SPR-52690: Resolved an issue wherein HC20/HC50 call audio heard by recipient was muffled or distant sounding.
- ZPAY – Fix for where in TC53/TC58 back-to-back transaction failure due to 6001 error.

- **Usage Notes**

- HC20/HC50: To ensure optimal voice call audio performance, Zebra strongly recommends using this release or newer, as users may encounter call quality degradation in older releases.

LifeGuard Update 13-17-29.00-TG-U04(TC73, TC78, TC22, TC27)

- LifeGuard Update 13-17-29.00-TG-U04 contains security updates only.
- This LG patch is applicable for 13-17-29.00-TG-U00-STD-ATH-04 BSP version.

- **New Features**

- None

- **Resolved Issues**

- None

- **Usage Notes**

- None

LifeGuard Update 13-17-29.00-TG-U00

- This LG patch is applicable for 13-17-29.00-TG-U00-STD-ATH-04 BSP version.

○ New Features

- **Scanner Framework:**

- Update Google MLKit Library version to 16.0.0.
- Updated Firmware for SE55 Scan Engine to improve autofocus.
- Added the missing “Zebra USB Scanner” in DWDemo.

- **DataWedge:**

- New Picklist + OCR feature: 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.

- **MX 13.1:**

Note: Not all MX v13.1 features are supported in this release.

- Access Manager adds the ability to:
 - Pre-grant, pre-deny or defer to the user access to "Dangerous Permissions".
 - Allow the Android system to automatically control permission to seldom-used apps.
- Power Manager adds the ability to:
 - Turn off the power on a device.
 - Set Recovery Mode Access to features that could compromise a device.

- **Wireless Analyzer:**

- Stability fixes in Firmware and Wireless Analyzer stack.
- Improved analysis reports and error handling for Roaming and Voice Features.
- UX and other bug fixes.

- **Auto PAC Proxy:**

- Added support for Auto PAC Proxy feature.

○ Resolved Issues

- SPR-51101: Resolved an issue wherein Scanning bar using USB scanner printing multiple characters.
- SPR51430: Resolved an issue wherein TC58 device reboots in certain location of o2 carrier in UK.
- SPR-50986: Resolved an issue wherein DataWedge profile was not generated correctly.
- SPR51099 – Resolved an issue where scanner was not enabled to scan SUW bypass barcode.
- SPR51331 – Resolved an issue where Scanner remained in DISABLED status after suspending and resuming the device.
- SPR-51244 / SPR-51525: Resolved an issue wherein ZebraCommonIME/DataWedge getting set as primary Keyboard.
- SPR-51146: Resolved an issue wherein alarm can be accidentally dismissed via upcoming alarm notification.

○ Usage Notes

- None

LifeGuard Update 13-14-21.00-TG-U03

- LifeGuard Update 13-14-21.00-TG-U03 contains security updates only.
- This LG patch is applicable for 13-14-21.00-TG-U00-STD-ATH-04 BSP version.
 - **New Features**
 - None
 - **Resolved Issues**
 - None
 - **Usage Notes**
 - None

LifeGuard Update 13-14-21.00-TG-U01

- LifeGuard Update 13-14-21.00-TG-U01 contains security updates only.
- This LG patch is applicable for 13-14-21.00-TG-U00-STD-ATH-04 BSP version.
 - **New Features**
 - None
 - **Resolved Issues**
 - None
 - **Usage Notes**
 - None

LifeGuard Update 13-14-21.00-TG-U00

- **New Features**
 - This is an initial Android 13 GMS release for TC58 and TC78 family of products.
 - Support added for new TC58 Indonesia SKU requirements.
 - 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 the ZConfigure folder.
 - Added support for WiFi/WAN prioritization feature.

o Resolved Issues

- SPR-47751 - Resolved an issue with setting the default launcher when Settings app is blacklisted.
- SPR-48241 - Resolved an issue with System UI crash with MobileIron's DPC launcher.
- SPR-47645 - Resolved an issue with EHS suddenly disappears and Quickstep shows up.
- SPR-48826 - Resolved an issue with the notification bar size.
- SPR-48066 - Resolved an issue where Excessive debug is filling log files.
- SPR-50027 - Resolved an issue with keyboard for not switching to numeric layout.
- SPR-50407 - Resolved an issue with EHS which prompted to select launcher frequently.
- SPR-47994 - Resolved an issue with EHS where update of title name was slower at every reboot.
- SPR-48592 - Resolved an issue with EHS where tapping on home button prompts to select either EHS or default launcher even though EHS is set as default home app.
- SPR-50081 - Resolved an issue with device which was stopping the scan function, and the only resolution was to power off the device and pull the battery out of the device.
- SPR-50146 - Resolved an issue where PTT button remapping to power button was not possible.
- SPR-48568 - Resolved an issue with Advanced Device Setup, which was staying in Progress for more than 24 hours.
- SPR-50379 - Resolved an issue in JS PDF, where disabling ALL Camera was not working.
- SPR-48518 - Resolved an issue with StageNow, where FileMgr CSP was not downloading from customer URL over VPN access private server.
- SPR-50983 - Resolved an issue where MX app used to fail while clearing recent apps.
- SPR-50161 - Resolved an issue with Wifi, where many pings are getting lost during comparison on roaming tests.
- SPR-48699 - Resolved an issue where WLAN interface was getting disconnected frequently from Wi-Fi network with Altai AP.
- SPR-48780 - Resolved an issue with USB Host manager where it returns invalid configuration rule error.
- SPR-48738 - Resolved an issue with HostMgr where modified hostname not responding to ping.
- SPR-48779 - Resolved an issue with RxLogger configuration (config.json) that cannot be overwritten.
- SPR 48803 - Resolved an issue where MX UI Setting LockOverrideButton throws exception Feature is not supported.
- SPR-50041 - Resolved an issue with Datawedge was not supporting RFID Input.
- SPR-50665 - Resolved an issue where user was not able to use JS Ulmgr QuickTileIdentifier WIFI.
- SPR-50766 - Resolved an issue with MX which was reporting failure when deploying XML due to permission error.
- SPR-50709 - Resolved an issue with SOTI script reset password was changing screen lock to password instead of PIN.
- SPR-51487 - Resolved an issue with TC53 - Low device audio.
- SPR-50519 - Resolved an issue with Battery Manager shows decommission battery notification.
- SPR-50571 - Resolved an issue with Screen rotation where manual screen rotation doesn't rotate the screen.
- SPR-51356 - Resolved an issue with where WPA PEAP Wi-Fi profile could not be created without Domain name.
- SPR-48475 - Resolved an issue with Bluetooth connectivity issues with DS3678 scanners.
- SPR-50487 - Resolved an issue with Connectivity issues with RS5100.
- SPR-50667 - Resolved an issue with Bluetooth disconnections with payment pin terminal YOXIMO.
- SPR-48401 - Resolved an issue with VoLTE profile not working.
- SPR-50350 - Resolved an issue where user not able to add Private APN using GPRS Mgr CSP.
- SPR-51213 - Resolved an issue with wrong APN proxy & mms setting for Swisscom.
- SPR-50775 - Resolved an issue with Private 5G network not working.
- SPR-46893 - Resolved an issue with Stage Now config does not set custom APN to default, when creating multiple custom APN with different Profile name and APN name for Verizon and AT&T and setting the Custom APN as default.

- Usage Notes

- None

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	13-38-19.00-TG-U00-STD-ATH-04
Android Version	13
Security Patch level	February 01, 2025
Component Versions	Please see Component Versions under Addendum section

Device Support

The products supported in this release are TC22, TC27, TC53, TC58, TC73, TC78, HC20, HC50, HC25, HC55, EM45, ET60, ET65 and KC50 family of products.

Please see device compatibility details under Addendum Section.

OS Update Installation Requirements and Instructions

For devices TC53, TC58, TC73 and TC78 to update from A11 to this A13 release, user must follow below steps.

- **Step-1:** Device **MUST** have A11 May 2023 LG BSP Image [11-21-27.00-RG-U00-STD](#) version or a greater A11 BSP version installed which is available on zebra.com portal.
- **Step-2:** Upgrade to this release A13 BSP version [13-38-19.00-TG-U00-STD-ATH-04](#).

Known Constraints

- Delta OTA packages are not supported in Recovery mode. To apply Delta OTA packages, use StageNow/MDM solution.
- Staging via NFC is not supported.
- DHCP Option 119 feature is currently not supported in this release. Zebra is working on enabling these 2 features in future Android 13 releases.
- User will not be able to push files into below listed directories using adb command. Alternately, EMM clients or StageNow can be used to push files into below listed directories.
 - /enterprise/

- Customers using Airwatch Proprietary staging method which includes generation of barcodes from Airwatch console and using external FTP as staging servers not ready for this release, Zebra will enable this feature in upcoming release of Airwatch agent.
- Video conference over WEB RTC (Real Time Communication) interpreting solution not supported for lower resolution (SPR-48680).
- Bluetooth SSI mode is not working via customer app using EMDK with DS3678 (SPR-50159).
- Workstation Connect is not supported on this release, compatibility with this solution will be introduced in future Android 13 releases.
- Caution to Dimensioning / Premium SKU customers: Please upgrade to 1.3.0.0 Dimensioning Software Bundle before upgrading to A13.
 - It is required to upgrade dimensioning software to 1.3.0.0 **BEFORE** upgrading the device from A11 to A13. (If software bundle is not upgraded, Dimensioning update feature will be broken).
- 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.

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
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TC53	<p>TC5301-0T1E1B1000-A6 TC5301-0T1E4B1000-A6 TC5301-0T1E4B1000-IN TC5301-0T1E4B1000-NA TC5301-0T1E4B1000-TR TC5301-0T1E4B1N00-A6 TC5301-0T1E7B1000-A6 TC5301-0T1E7B1000-NA TC5301-0T1K4B1000-A6 TC5301-0T1K4B1000-NA TC5301-0T1K4B1B00-A6 TC5301-0T1K6B1000-A6 TC5301-0T1K6B1000-NA</p>	<p>TC5301-0T1K6B1000-TR TC5301-0T1K6E200A-A6 TC5301-0T1K6E200A-NA TC5301-0T1K6E200B-NA TC5301-0T1K6E200C-A6 TC5301-0T1K6E200D-NA TC5301-0T1K6E200E-A6 TC5301-0T1K6E200F-A6 TC5301-0T1K7B1000-A6 TC5301-0T1K7B1000-NA TC5301-0T1K7B1B00-A6 TC5301-0T1K7B1B00-NA TC5301-0T1K7B1N00-NA</p>	TC53
TC73	<p>TC7301-0T1J1B1002-NA TC7301-0T1J1B1002-A6 TC7301-0T1J4B1000-A6 TC7301-0T1J4B1000-NA TC7301-0T1J4B1000-TR TC7301-0T1K1B1002-NA TC7301-0T1K1B1002-A6 TC7301-0T1K4B1000-A6 TC7301-0T1K4B1000-NA TC7301-0T1K4B1000-TR TC7301-0T1K4B1B00-NA TC7301-0T1K5E200A-A6 TC7301-0T1K5E200A-NA TC7301-0T1K5E200B-NA TC7301-0T1K5E200C-A6 TC7301-0T1K5E200D-NA TC7301-0T1K5E200E-A6 TC7301-0T1K5E200F-A6 TC7301-0T1K6B1000-FT TC7301-0T1K6B1002-A6</p>	<p>TC7301-0T1K6E200A-A6 TC7301-0T1K6E200A-NA TC7301-0T1K6E200B-NA TC7301-0T1K6E200C-A6 TC7301-0T1K6E200D-NA TC7301-0T1K6E200E-A6 TC7301-0T1K6E200F-A6 TC7301-3T1J4B1000-A6 TC7301-3T1J4B1000-NA TC7301-3T1K4B1000-A6 TC7301-3T1K4B1000-NA TC7301-3T1K5E200A-A6 TC7301-3T1K5E200A-NA TC7301-3T1K5E200A-NA TC73A1-3T1J4B1000-NA TC73A1-3T1K4B1000-NA TC73A1-3T1K5E200A-NA TC73B1-3T1J4B1000-A6 TC73B1-3T1K4B1000-A6 TC73B1-3T1K5E200A-A6</p>	TC73
TC58	<p>TC58A1-3T1E4B1010-NA TC58A1-3T1E4B1E10-NA TC58A1-3T1E7B1010-NA TC58A1-3T1K4B1010-NA TC58A1-3T1K6B1010-NA TC58A1-3T1K6E2A1A-NA TC58A1-3T1K6E2A1B-NA TC58A1-3T1K6E2A8D-NA TC58A1-3T1K7B1010-NA TC58B1-3T1E1B1080-A6 TC58B1-3T1E4B1080-A6 TC58B1-3T1E4B1080-IN TC58B1-3T1E4B1080-TR TC58B1-3T1E4B1B80-A6 TC58B1-3T1E4B1N80-A6 TC58B1-3T1E6B1080-A6 TC58B1-3T1E6B1080-BR</p>	<p>TC58B1-3T1E6B1W80-A6 TC58B1-3T1K4B1080-A6 TC58B1-3T1K4B1E80-A6 TC58B1-3T1K6B1080-A6 TC58B1-3T1K6B1080-IN TC58B1-3T1K6B1080-TR TC58B1-3T1K6E2A8A-A6 TC58B1-3T1K6E2A8C-A6 TC58B1-3T1K6E2A8E-A6 TC58B1-3T1K6E2A8F-A6 TC58B1-3T1K6E2W8A-A6 TC58B1-3T1K6E2W8A-TR TC58B1-3T1K7B1080-A6 TC58B1-3T1K7B1E80-A6 TC58C1-3T1K6B1080-JP</p>	TC58

TC78	<p>TC78A1-3T1J1B1012-NA TC78B1-3T1J1B1082-A6 TC78A1-3T1J4B1A10-FT TC78A1-3T1J4B1A10-NA TC78A1-3T1J6B1A10-NA TC78A1-3T1J6B1E10-NA TC78A1-3T1J6B1W10-NA TC78A1-3T1K1B1012-NA TC78B1-3T1K1B1082-A6 TC78A1-3T1K4B1A10-NA TC78A1-3T1K6B1A10-NA TC78A1-3T1K6B1B10-NA TC78A1-3T1K6B1E10-NA TC78A1-3T1K6B1G10-NA TC78A1-3T1K6B1W10-NA TC78A1-3T1K6E2A1A-FT TC78A1-3T1K6E2A1A-NA TC78A1-3T1K6E2A1B-NA TC78A1-3T1K6E2E1A-NA TC78B1-3T1J4B1A80-A6 TC78B1-3T1J4B1A80-IN TC78B1-3T1J4B1A80-TR</p>	<p>TC78B1-3T1J6B1A80-A6 TC78B1-3T1J6B1A80-TR TC78B1-3T1J6B1E80-A6 TC78B1-3T1J6B1W80-A6 TC78B1-3T1K4B1A80-A6 TC78B1-3T1K4B1A80-IN TC78B1-3T1K4B1A80-TR TC78B1-3T1K6B1A80-A6 TC78B1-3T1K6B1A80-IN TC78B1-3T1K6B1B80-A6 TC78B1-3T1K6B1E80-A6 TC78B1-3T1K6B1G80-A6 TC78B1-3T1K6B1W80-A6 TC78B1-3T1K6E2A8A-A6 TC78B1-3T1K6E2A8C-A6 TC78B1-3T1K6E2A8E-A6 TC78B1-3T1K6E2A8F-A6 TC78B1-3T1K6E2E8A-A6</p>	TC78
TC22	<p>WLMT0-T22B6ABC2-A6 WLMT0-T22B6ABC2-FT WLMT0-T22B6ABC2-NA WLMT0-T22B6ABC2-TR WLMT0-T22B6ABE2-A6 WLMT0-T22B6ABE2-NA WLMT0-T22B6CBC2-A6</p>	<p>WLMT0-T22B6CBC2-NA WLMT0-T22B6CBE2-A6 WLMT0-T22B8ABC8-A6 WLMT0-T22B8ABD8-A6 WLMT0-T22B8ABD8-NA WLMT0-T22B8CBD8-A6 WLMT0-T22B8CBD8-NA WLMT0-T22D8ABE2-A601</p>	TC22
TC27	<p>WCMTA-T27B6ABC2-FT WCMTA-T27B6ABC2-NA WCMTA-T27B6ABE2-NA WCMTA-T27B6CBC2-NA WCMTA-T27B8ABD8-NA WCMTA-T27B8CBD8-NA WCMTB-T27B6ABC2-A6 WCMTB-T27B6ABC2-BR WCMTB-T27B6ABC2-TR WCMTB-T27B6ABE2-A6 WCMTB-T27B6CBC2-A6 WCMTB-T27B6CBC2-BR WCMTB-T27B8ABC8-A6</p>	<p>WCMTB-T27B8ABD8-A6 WCMTB-T27B8ABE8-A6 WCMTB-T27B8CBC8-BR WCMTB-T27B8CBD8-A6 WCMTD-T27B6ABC2-TR WCMTJ-T27B6ABC2-JP WCMTJ-T27B6ABE2-JP WCMTJ-T27B6CBC2-JP WCMTJ-T27B8ABC8-JP WCMTJ-T27B8ABD8-JP</p>	TC27
HC20	<p>WLMT0-H20B6BCJ1-A6 WLMT0-H20B6BCJ1-TR WLMT0-H20B6DCJ1-FT WLMT0-H20B6DCJ1-NA</p>		HC20
HC50	<p>WLMT0-H50D8BBK1-A6 WLMT0-H50D8BBK1-FT WLMT0-H50D8BBK1-NA WLMT0-H50D8BBK1-TR</p>		HC50
HC25	<p>WCMTB-H25B6BCJ1-A6 WCMTA-H25B6DCJ1-NA WCMTB-H25B6BCJ1-A6 WCMTJ-H25B6BCJ1-JP</p>		HC25

HC55	WCMTB-H55D8BBK1-A6 WCMTA-H55D8BBK1-NA WCMTA-H55D8BBK1-FT WCMTJ-H55D8BBK1-JP		HC55
ET60	ET60AW-0HQAGN00A0-A6 ET60AW-0HQAGN00A0-NA ET60AW-0HQAGN00A0-TR ET60AW-0SQAGN00A0-A6 ET60AW-0SQAGN00A0-NA ET60AW-0SQAGN00A0-TR ET60AW-0SQAGS00A0-A6	ET60AW-0SQAGS00A0-NA ET60AW-0SQAGS00A0-TR ET60AW-0SQAGSK0A0-A6 ET60AW-0SQAGSK0A0-NA ET60AW-0SQAGSK0A0-TR ET60AW-0SQAGSK0C0-A6 ET60AW-0SQAGSK0C0-NA	ET60
ET65	ET65AW-ESQAGE00A0-A6 ET65AW-ESQAGE00A0-NA ET65AW-ESQAGE00A0-TR ET65AW-ESQAGS00A0-A6 ET65AW-ESQAGS00A0-NA ET65AW-ESQAGS00A0-TR	ET65AW-ESQAGSK0A0-A6 ET65AW-ESQAGSK0A0-NA ET65AW-ESQAGSK0A0-TR ET65AW-ESQAGSK0C0-A6 ET65AW-ESQAGSK0C0-NA	ET65
EM45	EM45A2-3T106B0-NA EM45B2-3T106B0-EA EM45B2-3T106B0-RW EM45A2-3T106B0-NAWM		EM45
KC50	KC50A15-G0B1C0-A6 KC50A15-G0B1C0-NA KC50A15-G0B1C0-TR KC50A22-G0B1C0-A6 KC50A22-G0B1C0-NA KC50A22-G0B1C0-TR	KC50E15-G0A200-A6 KC50E15-G0A200-NA KC50E15-G0A200-TR KC50E22-G0A200-A6 KC50E22-G0A200-NA KC50E22-G0A200-TR	KC50

Component Versions

Component / Description	Version
Linux Kernel	5.4.274-qgki
AnalyticsMgr	10.0.0.1008
Android SDK Level	33
Android Web View	131.0.6778.260
Audio (Microphone and Speaker)	0.21.6.0
Battery Manager	1.5.3
Bluetooth Pairing Utility	6.3
Chrome	131.0.6778.260
Zebra Camera App	2.5.11
DataWedge	14.3.3
EMDK	13.0.30.4730

Files	13
License Manager and License Agent	6.1.4 and 6.3.9.5.0.3
MXMF	14.1.0.7
NFC and NFC FW	PN7160_AR_13.20.03 and 12.50.e
OEM info	9.0.1.257
OSX	QCT6490.130.13.28.26
Rxlogger	13.0.12.82
Scanning Framework	42.37.32.0
StageNow	13.4.0.0
Wireless Analyzer	WA_A_3_2.2.0.014_T
WLAN	FUSION_QA_4_1.6.0.016_T FW: 1.1.2.0.1279.2
WWAN Baseband version	Z250127A_093.1-00261
Zebra Bluetooth	13.8.2
Zebra Volume Control	3.0.0.106
Zebra Data Service	10.0.9.1044
Zebra Device Manager	14.1.0.7