Release Notes – Zebra Android 13
13-29-10.00-TG-U05-STD-HEL-04 Release (GMS)

Highlights

This Android 13 GMS release covers MC20, MC9300, TC8300, VC8300, L10A, ET51, ET56, RZ-H271, CC600, CC6000, TC26, TC26 HC, TC52, TC52 HC, TC52x, TC52x HC, TC57, TC57x, TC72, TC77 & WT6300 family of products.

Starting at Android 11, Delta Updates must be installed in sequential order (ascending oldest to newest); Update Package List (UPL) is no longer a supported method. In place of installing multiple sequential Deltas, a Full Update can be used to jump to any available LifeGuard Update.

LifeGuard patches include all previous fixes that are part of earlier patch releases.

Please see, device compatibility under Addendum Section for more details.

AVOID DATA LOSS WHEN UPDATING TO ANDROID 13
Read Migrating to Android 13 on TechDocs

Software Packages

Package Name	Description
HE_FULL_UPDATE_13-29-10.00-TG-U05-STD-HEL-04.zip	Full package update
HE_DELTA_UPDATE_13-29-10.00-TG-U02-STD_TO_13-29-10.00-TG-U05-STD.zip	Delta package from previous release 13-29-10.00-TG-U02-STD
Releasekey_Android13_EnterpriseReset_V2.zip	Reset Package to Erase User Data Partition Only
Releasekey_Android13_FactoryReset_V2.zip	Reset Package to Erase User Data and Enterprise Partitions

Zebra Conversion Package for migrating to Android 13 without data loss.

Current Source OS Versions present on device			Zebra Conversion Package to be used	Notes
OS Dessert	Release Date	Build Version		

Oreo	Any Oreo release	Any Oreo release	11-99-99.00-RG-U555-STD-HEL-04	Android Oreo - For devices with LG version earlier than 01-23-18.00-OG-U15-STD, the device must be upgraded to this version or newer prior to beginning the migration process.
Pie	Any Pie release	Any Pie release	11-99-99.00-RG-U555-STD-HEL-04	For Android Pie, the device must be upgraded to Android 10 or 11 to begin the migration process.
A10	Any A10 release	Any A10 release	11-99-99.00-RG-U555-STD-HEL-04	
A11	May 2023 To March 2024 release	From LIFEGUARD UPDATE 11-35-05.00-RG-U00 till March 2024	11-99-99.00-RG-U545-STD-HEL-04	1. SD660 upgrades to A13 from lower OS dessert cause data reset due to encryption mismatch, hence ZCP is released to do selective data persistence in such OS upgrade cases, which is explained in the techdocs. https://techdocs.zebra.com/lifeguard/a13/ 2. ZCP will be released in cadence of A11 LG MR release to make sure it is based upon the latest Security patches as per security team guidelines. 3. Customers need to choose the right ZCP based on their source and target OS as mentioned in the tabular section of ZCP release notes.
A11	April 2024 To July 2024 release	From LIFEGUARD UPDATE 11-46-25.00-RG-U00 till July 2024	11-99-99.00-RG-U555-STD-HEL-04	1. SD660 upgrades to A13 from lower OS dessert cause data reset due to encryption mismatch, hence ZCP is released to do selective data persistence in such OS upgrade cases, which is explained in the techdocs. https://techdocs.zebra.com/lifeguard/a13/ 2. ZCP will be released in cadence of A11 LG MR release to make sure it is based upon the latest Security patches as per security team guidelines. 3. Customers need to choose the right ZCP based on their source and target OS as mentioned in the tabular section of ZCP release notes.

Security Updates

This build is Compliant up to Android Security Bulletin of July 05, 2024.

LifeGuard Update 13-29-10.00-TG-U05

➢ LifeGuard Update 13-29-10.00-TG-U05 contains security updates.

➢ This LG Delta Update package is applicable for 13-29-10.00-TG-U02-STD-HEL-04 BSP version.

o **New Features**
  • None

- o **Resolved Issues**
    - • None

- o **Usage Notes**
    - • None

LifeGuard Update 13-29-10.00-TG-U02

➢ LifeGuard Update 13-29-10.00-TG-U02 contains security updates.

➢ This LG Delta Update package is applicable for 13-29-10.00-TG-U00-STD-HEL-04 BSP version.

- o **New Features**
    - • None

- o **Resolved Issues**
    - • None

- o **Usage Notes**
    - • None

LifeGuard Update 13-29-10.00-TG-U00

➢ LifeGuard Update 13-29-10.00-TG-U00 contains security updates.

➢ This LG Delta Update package is applicable for 13-26-09.00-TG-U03-STD-HEL-04 BSP version.

- o **New Features**
    - • **Scanner Framework:**
        - o Added support for postal codes (via camera or imager) in
            - ▪ Free-Form Image Capture (workflow Input) – Barcode Highlighting/Reporting
            - ▪ Barcode highlighting (Barcode Input).
        - o 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.

    - • **OSX:**

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

- • **Display Support:**
  - o Added support for new display panels (G104XVN01.010) for VC83.

- • **Key Event:**
  - o Added support for Package name when remapping a key to send intent as broadcast.

- • **DataWedge:**
  - o 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.
  - o 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.

- • **COPE:**
  - o Enhanced support for Android COPE (corporate-owned, personally enabled) mode. Details published soon on Zebra Techdocs.

- • **MX 13.3:**
  - o 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.
  - o 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.
  - o 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.

- o **Resolved Issues**
  - • SPR53286 - Resolved an issue wherein remapping a key for the Grey table fails.
  - • SPR53153 - Resolved an issue wherein Getting the state of the active modifier list was always NULL.
  - • SPR51755 - Resolved an issue wherein notification setting was still accessible when App Notification control was disabled.
  - • SPR52455 - Resolved an issue where Bluetooth HID devices were getting disabled when USB module usage is disabled.
  - • SPR52492 - Resolved an issue wherein EMDK APIs were taking more time compared to previous deserts.
  - • SPR52603 - Resolved an issue where Stagenow disabling mute and vibrate not working in HC50.
  - • SPR52693 - Resolved an issue wherein user was not able to customize the color of Android components.
  - • SPR52042 - Resolved an issue wherein third-party Bluetooth scanners were not getting connected.

- SPR51276 - Resolved an issue wherein remote user was not able to hear the audio when the other speaker was speaking in speaker phone mode.
- SPR52573 - Resolved an issue wherein TC57 was not able to reconnect with specific BT printer after its reboot.
- SPR52539 - Resolved an issue wherein Datawedge scanning was not working after device resumes back from suspend state.
- SPR52606 - Resolved an issue wherein the Alert Button would not work as expected.
- SPR52508 - Resolved an issue wherein device would intermittently reboot due to a WLAN anomaly.
- SPR52575 - Resolved an issue wherein screen blanking feature would not work intermittently.
- SPR52621 - Resolved an issue wherein enabling touch feedback feature was not working.
- SPR52123/51406 - Resolved an issue wherein USB port would still be powered even when the device was in suspend state.
- SPR52643 - Resolved an issue wherein Device Central App was not able to display serial number and firmware version of the tethered scanner.
- SPR53255 - Resolved an issue wherein user was not able to change the cellular data usage warning threshold using stagenow.
- SPR53152 - Resolved an issue wherein after performing long battery hot swap, ringer becomes silenced without notification after reboot.
- SPR52452 - Resolved an issue wherein special characters were not being handled for downloading esim profile with nickname having special characters.

○ **Usage Notes**

- The VC83 new display devices will not be allowed to downgrade below 13-29-10.00-TG-U00-STD-HEL-04.
    - To identify display type, users can check 'ro.config.device.display' property using getprop command from adb.
        - Devices with new display G104XVN01.010 will have [ro.config.device.display]: [703]
        - Devices with display G104XVN01.0 (old display) will have [ro.config.device.display]: [700]

LifeGuard Update 13-26-09.00-TG-U03

- LifeGuard Update 13-26-09.00-TG-U03 contains security updates.

- This LG Delta Update package is applicable for 13-26-09.00-TG-U00-STD-HEL-04 BSP version.

○ **New Features**

- None

○ **Resolved Issues**

- None

○ **Usage Notes**

- None

LifeGuard Update 13-26-09.00-TG-U00

➤ LifeGuard Update 13-26-09.00-TG-U00 contains security updates, bug fixes and SPRs.

➤ This LG Delta Update package is applicable for 13-22-18.00-TG-U04-STD-HEL-04 BSP version.

○ **New Features**

  • **Scanner Framework:**
    o Integrated support for MP7000 scanner and scale.

  • **Zebra Device Manager:**
    o Control MTP folder write access to Android/data and Android/obb folders on the device when Media Transfer Protocol is used via USBMgr.

  • **DataWedge:**
    o Added support for Digital Link parsing for GS1 barcodes in DataWedge.
    o Added support for GS1 Parsing for Non-UDI GS1 barcodes in DataWedge.

  • **ZRP:**
    o PowerMgr - Set Recovery Mode Access to features that could compromise a device.

  • **WWAN:**
    o USSD & SS enabled over IMS for Saudi Arabia.

  • **Bluetooth:**
    o Smart leash feature support for device tracker application.

  • **Battery:**
    o Feature to measure battery consumption per application.

  • **MX 13.2:**
    o 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.
    o 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.
    o Cellular Manager adds the ability to:
      ▪ Configure Voice Over LTE settings with a JSON file.
    o 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.
    o 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.

o **Resolved Issues**

- SPR50739 - Resolved an issue wherein Hardware picklist was not working with NG Multi barcode setting.
- SPR51525 - Resolved an issue wherein Datawedge IME was intermittently getting set as default IME.
- SPR51099 - Resolved an issue wherein Scan beam would not appear in SKIP SUW screen after updating to A11.
- SPR51748 - Resolved an issue wherein NFC bump was failing when camera module was enabled.
- SPR50407 - Resolved an issue wherein Select Launcher popup would appear even after a default launcher was selected.
- SPR50778 - Resolved an issue where StageNow profile to install apk with capital APK fails.
- SPR50519 - Resolved an issue wherein Battery decommissioned popup would incorrectly appear on the device.
- SPR48371 - Resolved an issue wherein device would not resume post hot swap.
- SPR51297 - Resolved an issue wherein BT silent pairing was not working with pin code.
- SPR51954 - Resolved an issue wherein device was undergoing soft reset upon applying locationstate param.
- SPR51686 - Resolved an issue wherein StageNow was not invoking EMM for enrollment.
- SPR51491 - Resolved an issue wherein a MX configuration was preventing screen from timing out.
- SPR48638 - Resolved an issue wherein static was observed during PTT calls.
- SPR51888 - Resolved an issue wherein Keymapping Manager the "Shift" + "Force State OFF" function was not working.
- SPR51631 - Resolved an issue wherein Simulscan was not working after updating from oreo to A11.
- SPR51324 - Resolved an issue wherein BT Scanning service was getting killed due to Low memory.
- SPR51244 - Resolved issue wherein ZebraCommonIME was getting set as the default Input Method.
- SPR51409 - Resolved an issue wherein ZebraCommonIME was getting set as the default Input Method upon orientation change.
- SPR51746 - Resolved an issue wherein Datawedge would get into disabled state intermittently when EMDK App would execute early in boot.
- SPR52011 - Resolved an issue wherein applying EMDK profiles was taking a long time.
- SPR51696 - Resolved an issue wherein Rxlogger snapshot logs were intermittently not getting captured.
- SPR51977 - Resolved an issue wherein device would get stuck while boot up in splash screen.
- SPR51336 - Resolved an issue wherein CS calls were giving No circuit available error.
- SPR52026 - Resolved an issue wherein certain encrypted params were not getting imported correctly in stagenow.
- SPR52072 - Resolved an issue wherein condition Manager was not working as expected when used simultaneously along with XML Manager CSP.

o **Usage Notes**

LifeGuard Update 13-22-18.00-TG-U04

➢ LifeGuard Update 13-22-18.00-TG-U04 contains security updates.

➢ This LG Delta Update package is applicable for 13-22-18.00-TG-U02-STD-HEL-04 BSP version.

o **New Features**

- None

- o **Resolved Issues**
  - • None

- o **Usage Notes**
  - • None

LifeGuard Update 13-22-18.00-TG-U02

- ➢ LifeGuard Update 13-22-18.00-TG-U02 contains security updates.

- ➢ This LG Delta Update package is applicable for 13-22-18.00-TG-U01-STD-HEL-04 BSP version.

  - o **New Features**
    - • None

  - o **Resolved Issues**
    - • None

  - o **Usage Notes**
    - • None

LifeGuard Update 13-22-18.00-TG-U01

- ➢ LifeGuard Update 13-22-18.00-TG-U01 contains security updates.

- ➢ This LG Delta Update package is applicable for 13-22-18.00-TG-U00-STD-HEL-04 BSP version.

  - o **New Features**
    - • None

  - o **Resolved Issues**
    - • None

  - o **Usage Notes**
    - • None

LifeGuard Update 13-22-18.00-TG-U00

- ➢ LifeGuard Update 13-22-18.00-TG-U00 contains security updates, bug fixes and SPRs.

- ➢ This LG Delta Update package is applicable for 13-20-02.00-TG-U05-STD-HEL-04 BSP version.

  - o **New Features**

- **Scanner Framework:**
  - o Update Google MLKit Library version to 16.0.0.
  - o Updated Firmware for SE55 Scan Engine to improve autofocus.

- **DataWedge:**
  - o 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.

- **Fusion:**
  - o Support for multiple root certificates for Radius server validation.

- **Wireless Analyzer:**

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

- **MX 13.1:**

  - o 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.
  - o Power Manager adds the ability to:
    - Turn off the power on a device.
    - Set Recovery Mode Access to features that could compromise a device.
    - Select whether to display Upgrade and Downgrade actions for selection while the device is in Recovery Mode.
  - o UI Manager adds the ability to:
    - Turn on/off Do Not Disturb mode on a device.
    - Enable/disable Inter-app Sharing on a device.
    - Enable/disable configuration of Accessibility options, which can help simplify device usage for those with physical and/or visual impairments.
    - Show/hide Immersive Mode pop-up warning.
    - Configure Touch-and-Hold Delay for key long-presses.
  - o Wi-Fi adds the ability to:
    - Allow an administrator to select the FTM Intervals, a preference for the frequency of updates to the Fine Timing Measurement Location on a device.
    - Enable Secure Advanced Logging, which encrypts Wi-Fi Advanced logs and imposes a user-specified password for log access.
- **Auto PAC Proxy:**

  - o Added support for Auto PAC Proxy feature.

- o **Resolved Issues**
  - SPR51197 - Resolved an issue wherein WT6300 touch panel was not responsive when operated in -25c environment.
  - SPR50640 - Resolved an issue wherein user was unable to ping the devices that were using modified host name through host manager Communication Service Provider.

- SPR51659 - Resolved an issue wherein Key Programmer doesn't open in Kiosk mode.
- SPR51660 - Resolved an issue wherein 3x3 Diamond matrix pops up on Diamond key press when blue modifier is enabled.
- SPR51388 - Resolved an issue, to fix camera app crash when device rebooted multiple times.
- SPR51435 - Resolved an issue where device fails to roam when Wi-Fi lock is obtained in "wifi_mode_full_low_latency" mode.
- SPR51146 - Resolved an issue where in after setting the alarm the text in notification is changed from DISMISS to DISMISS ALARM.
- 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.
- SPR51244/51525 – Resolved an issue where ZebraCommonIME/DataWedge getting set as primary Keyboard.

o **Usage Notes**

- To ensure full NFC functionality Zebra recommends not to downgrade to images older than below BSP's except for non-NFC products PS20, VC83.
  - A11 11-23-13.00-RG-U00, A10 10-16-10.00-QG-U120-STD-HEL-04, A9 02-21-09.00-PG-U22-STD, A8 01-30-04.00-OG-U44-STD.
- Downgrading to older versions than listed above may result in NFC functionality issues. However, downgrading to older OS versions can be used if NFC functionality is not needed.

LifeGuard Update 13-20-02.00-TG-U05

➤ LifeGuard Update 13-20-02.00-TG-U05 contains security updates.

➤ This LG Delta Update package is applicable for 13-20-02.00-TG-U01-STD-HEL-04 BSP version.

o **New Features**

- None

o **Resolved Issues**

- None

o **Usage Notes**

- None

LifeGuard Update 13-20-02.00-TG-U01

➤ LifeGuard Update 13-20-02.00-TG-U01 contains security updates.

➤ This LG Delta Update package is applicable for 13-20-02.00-TG-U00-STD-HEL-04 BSP version.

o **New Features**

- None

- o **Resolved Issues**
  - None

- o **Usage Notes**
  - None

LifeGuard Update 13-20-02.00-TG-U00

➢ LifeGuard Update 13-20-02.00-TG-U00 contains security updates, bug fixes and SPRs.

➢ This LG Delta Update package is applicable for 13-18-19.00-TG-U00-STD-HEL-04 BSP version.

- o **New Features**
  - Added Apple VAS feature support for selected TC21, TC26 SKUs.
  - Added support for Admin to control BT scanner parameters Reconnect Timeout, Wi-Fi-friendly channel exclusion, and Radio Output Power for remote Scanners RS5100 and Zebra Generic BT scanners.

- o **Resolved Issues**
  - SPR50649 - Resolved an issue wherein decoded data was not received by the app via intent.
  - SPR50931 - Resolved an issue wherein OCR data was not formatted when keystroke output was selected.
  - SPR50645 - Resolved an issue wherein device would report charging slowly.
  - SPR48783 - Battery charging current was tuned for TC52ax, TC52, TC52x-HC device SKUs.

- o **Usage Notes**
  - None

Update 13-18-19.00-TG-U00

New Features
  - In A13, data encryption method is changed from full disk (FDE) to file based (FBE).
  - Zebra Charging Manager new feature is added in Battery Manger App to improve battery Life.
  - RxLogger new features includes - Additional WWAN dumpsys commands and Configurable logcat buffer size through RxLogger settings.
  - Worry-free Wi-Fi is now renamed as Wireless Analyzer.
  - Wireless Analyzer supports 11ax scan list feature, FT_Over_DS feature, 6E Support to add (RNR, Multi-BSSID) in Scan list and FTM API integration with Wireless Insight.
  - In A13 Stagenow JS Barcode support is added .XML Barcode will not be Supported by Stagenow in A13.
  - DDT New release will have new package name. Old package name support will be discontinued after some time. Older version of DDT must be uninstalled, and newer version should be installed.
  - In A13 Quick setting UI has changed.
  - In A13 Quick setting UI QR scanner code option is available.
  - In A13 Files app is replaced by Google Files App.

- 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.

Resolved Issues

- SPR48592 Resolved an issue with EHS crashing.

- SPR47645 Resolved an issue with EHS suddenly disappears, and Quickstep shows up.

- SPR47643 Resolved an issue with Rescue Party screen during Wi-Fi ping test.

- SPR48005 Resolved an issue with StageNow - the string length of Passphrase WPAClear is too long when using \\ for \ in passphrase.

- SPR48045 Resolved an issue with MX not able to use HostMgr Hostname.

- SPR47573 Resolved an issue with Short Press should not open Power Menu

- SPR46586 Resolved an issue with EHS Unable to set EHS as default Launcher with StageNow

- SPR46516 Resolved an issue with Audio Settings Do Not Persist upon Enterprise Reset

- SPR45794 Resolved an issue with Selecting\changing Audio Profiles does not set volume to preset levels.

- SPR48519 Resolved an issue with Clear Recent Apps MX Failing.

- SPR48051 Resolved an issue with StageNow where FileMgr CSP not working.

- SPR47994 Resolved an issue with Slower to update the tile name at every reboot.

- SPR46408 Resolved an issue with Stagenow Not showing downloading pop up when downloading os update file from custom ftp server.

- SPR47949 Resolved an issue with Clearing recent apps is opening Quickstep launcher instead in EHS.

- SPR46971 Resolved an issue with EHS Auto launch app list is not preserved when EHS configuration is saved from EHS GUI

- SPR47751 Resolved an issue with Default Launcher Problem setting when device has blacklisted com.android.settings applied

- SPR48241 Resolved an issue with System UI crash with MobileIron's DPC launcher.

- SPR47916 Resolved an issue with OTA Download through Mobile Iron (using Android Download Manager) Fails in 1Mbps network speed.

- SPR48007 Resolved an issue with Diag daemon at RxLogger increases its consumption memory.

- SPR46220 Resolved an issue with BTSnoop log module inconsistency in generating CFA logs.

- SPR48371 Resolved an issue with SWAP battery - the device doesn't restart - Power on doesn't run after swapping.

- SPR47081 Resolved an issue with Fixing a timing issue with USB during suspend/resume.

- SPR50016 Resolved an issue with gnss engine stays in locked state.

- SPR48481 Resolved an issue with Wi-Fi beacon miss issue between Device and WAP.

- SPR50133/50344 Resolved an issue with Device entering Rescue Party mode randomly.

- SPR50256 Resolved an issue with Mexico Daylight Savings Changes
- SPR48526 Resolved an issue with Device Freezing randomly.
- SPR48817 Resolved an issue with Auto shutdown disabled in TestDPC Kiosk.
- Integrated Mandatory Functional Patch from Google Description: A-274147456 Revert intent filter matching enforcement.

Usage Notes

Existing customers can upgrade to A13 with data persistence using one of the following methods.

a) Using FDE-FBE conversion package (FDE-FBE conversion package)
b) Using EMM enterprise persistence (AirWatch, SOTI)

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	13-29-10.00-TG-U05-STD-HEL-04
Android Version	13
Security Patch level	July 05, 2024
Component Versions	Please see Component Versions under Addendum section

Device Support

Please see device compatibility details under Addendum Section.

Known Constraints

- Dessert Upgrade to A13 will have Enterprise reset because of Encryption change from FDE to FBE.
- Customers who upgrade from A10/A11 to A13 without FDE-FBE conversion package or EMM persistence will result in data wipe.
- Dessert upgrade from A10, A11 to A13 can be done with UPL with reset command. Oreo reset command is not supported.
- DHCP Option 119 feature is currently not supported in this release. Zebra is working on enabling this feature in future Android 13 releases.
- Workstation Connect Not supported in this Release.
- SPR47380 OS level exception caused by the initialization of an NFC internal component, resulting in the crash log present upon reboot. After the OS exception, the NFC chip retries the initialization, and it is successful. There is no functionality loss.
- SPR48869 MX - CurrentProfileAction set to 3 and Turning off DND. This will be fixed in upcoming A13 releases.

- Scanner and keypad volume restrictions are not persisted after A13 upgrade. This is restriction is only for May A11 LG. Fix for this issue will be available in upcoming conversion package.
- Staging via NFC is not supported.
- EMM supporting persistence feature (primarily Airwatch/SOTI) will only work while migrating from A11 to A13.

Important Links

- SDM660 A13 OS Update instructions
- FDE-FBE conversion package
- 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
MC20	MC200A-GA2S40JP		MC20 Home Page
RZ-H271	RZ-H271		MC20 Home Page
MC93	MC930B-GSXXG4XX MC930P-GSXXG4XX MC930P-GFXXG4XX Note: 'x' Stands for wild card for different configurations	MC930B-GSXXG4NA-XX MC930P-GSXXG4NA-XX	MC9300 Home Page
TC8300	TC83B0-x005A510NA TC83B0-x005A61CNA TC83BH-x205A710NA TC83B0-x005A510RW TC83B0-x005A61CRW TC83BH-x205A710RW TC83B0-x005A510IN TC83B0-x005A61CIN TC83BH-x205A710IN TC83BH-x206A710NA Note: 'x' Stands for wild card for different configurations	TC83BH-x206A710RW TC83B0-4005A610NA TC83B0-4005A610RW TC83B0-4005A610IN TC83B0-5005A610NA TC83B0-5005A610RW TC83B0-5005A610IN TC83B0-x005A510TA TC83BH-x205A710TA	TC8300 Home Page
VC8300 8"	VC83-08FOCABAABA-I VC83-08FOCQBAABA-I VC83-08FOCQBAABANA VC83-08SOCABAABA-I	VC83-08SOCQBAABA-I VC83-08SOCQBAABANA VC83-08SOCQBAABAIN	VC8300 Home Page

VC8300 10"	VC83-10SSCNBAABANA VC83-10SSCNBAABA-I	VC83-10SSCNBAABATR	
L10A	RTL10B1-xxxxxxxxxxNA (North America) RTL10B1-xxAxxX0x00A6 (ROW) Note: 'x' Stands for wild card for different configurations	RTL10B1-xxAxxX0x00IN (India)	L10A Home Page
ET56	ET56DT-G21E-00NA ET56ET-G21E-00A6 ET56ET-G21E-00IA	ET56DE-G21E-00A6 ET56DE-G21E-00NA	ET56 Home Page
ET51	ET51CT-G21E-00A6 ET51CT-G21E-00NA ET51CE-G21E-00NA ET51CE-G21E-00A6	ET51CE-G21E-00IA ET51CE-G21E-SFA6 ET51CE-G21E-SFNA	ET51 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	CC600 Home Page
TC26	TC26BK-11A222-A6 TC26BK-11A242-A6 TC26BK-11A422-A6 TC26BK-11A423-A6 TC26BK-11A442-A6 TC26BK-11B212-A6 TC26BK-11B232-A6 TC26BK-11B412-A6 TC26BK-11D221-A6 TC26BK-11D241-A6 TC26BK-11D421-A6 TC26BK-21D221-A6 TC26BK-21A222-A6 TC26BK-1HB224-A6 TC26BK-1HD224-A6 TC26BK-1JB224-A6 TC26BK-21A442-A6 TC26AK-11A222-NA TC26AK-11A242-NA TC26AK-11A422-NA TC26AK-11A423-NA TC26AK-11B212-NA TC26AK-11B232-NA TC26AK-11D221-NA TC26AK-11D241-NA TC26AK-1HB222-NA TC26AK-1HB224-NA	TC26AK-11A442-NA TC26BK-11A222-IA TC26BK-11A242-IA TC26BK-11A442-IA TC26BK-11B212-IA TC26BK-11B232-IA TC26BK-21A222-IA TC26BK-1HB224-IA TC26BK-11D221-IA TC26BK-11A222-BR TC26BK-11A242-BR TC26BK-11A422-BR TC26BK-11A423-BR TC26BK-11A442-BR TC26BK-11B212-BR TC26BK-11B232-BR TC26BK-11D221-BR TC26BK-11D241-BR TC26BK-1HB224-BR TC26DK-11B212-TR TC26DK-11B232-TR TC26BK-11B212-TR TC26BK-11B232-TR TC26BK-11B212-ID TC26BK-11A222-ID TC26BK-11B212-XP TC26AK-1HD224-FT	TC26 Home Page

	TC26AK-1HD224-NA TC26AK-1JD224-NA TC26AK-21A222-NA TC26AK-1JB224-NA	TC26AK-11A522-NAP TC26BK-11A522-A6P TC26EK-21A522-NAP	
TC26 HC	TC26BK-1HD224-A6 TC26BK-1HB224-A6 TC26BK-1HB224-BR TC26AK-1HD222-NA TC26BK-1HB224-IA TC26AK-1JB224-NA TC26BK-1JB224-A6 TC26AK-1HD224-NA TC26AK-1HB224-NA KT-TC26AK-1HD224-FT TC26AK-1HB222-NA TC26AK-1JD224-NA KT-TC26BK-1HD224-PTTP1-A6 KT-TC26BK-1HD224-PTTP2-A6 KT-TC26BK-1HB224-PTTP1-A6 KT-TC26BK-1HB224-PTTP2-A6 KT-TC26AK-1HD224-PTTP1-NA	KT-TC26AK-1HD224-PTTP2-NA KT-TC26AK-1HD224-PTTP1-FT KT-TC26AK-1HD224-PTTP2-FT KT-TC26AK-1HD224-WFC1-NA KT-TC26AK-1HD224-WFC2-NA KT-TC26AK-1HD224-WFC1-FT KT-TC26AK-1HD224-WFC2-FT KT-TC26BK-1HD224-WFC1-A6 KT-TC26BK-1HD224-WFC2-A6 KT-TC26BK-1HB224-WFC1-A6 KT-TC26BK-1HB224-WFC2-A6	TC26 Home Page
TC52	TC520K-1PEZU4P-A6 TC520K-1PEZU4P-NA	TC520K-1PEZU4P-IA TC520K-1PEZU4P-FT	TC52 Home Page
TC52 – AR1337 Camera	TC520K-1PFZU4P-A6	TC520K-1PFZU4P-NA	TC52 Home Page
TC52 HC	TC520K-1HEZU4P-NA TC520K-1HEZU4P-EA TC520K-1HEZU4P-A6 TC520K-1HEZU4P-FT TC520K-1HEZU4P-IA KT-TC520K-1HCMH6P-PTT1-NA KT-TC520K-1HCMH6P-PTT2-NA KT-TC520K-1HCMH6P-PTT1-FT KT-TC520K-1HCMH6P-PTT2-FT KT-TC520K-1HCMH6P-PTT1-A6 KT-TC520K-1HCMH6P-PTT2-A6 KT-TC520K-1HEZU4P-PTT1-NA	KT-TC520K-1HEZU4P-PTT1-FT KT-TC520K-1HEZU4P-PTT2-FT KT-TC520K-1HEZU4P-PTT1-A6 KT-TC520K-1HEZU4P-PTT2-A6 KT-TC520K-1HEZU4P-WFC1-NA KT-TC520K-1HEZU4P-WFC2-NA KT-TC520K-1HEZU4P-WFC1-FT KT-TC520K-1HEZU4P-WFC2-FT KT-TC520K-1HEZU4P-WFC1-A6 KT-TC520K-1HEZU4P-	TC52 HC Home Page

	KT-TC520K-1HEZU4P-PTT2-NA	WFC2-A6 KT-TC52-1HEZWFC1-NA	
TC52x	TC520K-1XFMU6P-NA TC520K-1XFMU6P-A6 TC520K-1XFMU6P-TK	TC520K-1XFMU6P-FT TC520K-1XFMU6P-IA	TC52x Home Page
TC52x HC	TC520K-1HCMH6P-NA TC520K-1HCMH6P-FT TC520K-1HCMH6P-A6 TC520K-1HCMH6P-PTTP1-NA TC520K-1HCMH6P-PTTP2-NA TC520K-1HCMH6P-PTTP1-FT TC520K-1HCMH6P-PTTP2-FT TC520K-1HCMH6P-PTTP1-A6	TC520K-1HCMH6P-PTTP2-A6 TC520K-1HCMH6P-WFC1-NA TC520K-1HCMH6P-WFC2-NA TC520K-1HCMH6P-WFC1-FT TC520K-1HCMH6P-WFC2-FT TC520K-1HCMH6P-WFC1-A6 TC520K-1HCMH6P-WFC2-A6 KT-TC52X-1HCMWFC1-NA	TC52x Home Page
TC57	TC57HO-1PEZU4P-A6 TC57HO-1PEZU4P-IA TC57HO-1PEZU4P-NA TC57HO-1PEZU4P-XP	TC57HO-1PEZU4P-BR TC57HO-1PEZU4P-ID TC57HO-1PEZU4P-FT	TC57 Home Page
TC57 – AR1337 Camera	TC57HO-1PFZU4P-A6	TC57HO-1PFZU4P-NA	TC57 Home Page
TC57x	TC57HO-1XFMU6P-A6 TC57HO-1XFMU6P-BR TC57HO-1XFMU6P-IA TC57HO-1XFMU6P-FT	TC57HO-1XFMU6P-ID TC57JO-1XFMU6P-TK TC57HO-1XFMU6P-NA	TC57X Home Page
TC72	TC720L-0ME24B0-A6 TC720L-0ME24B0-NA TC720L-0ME24B0-BR TC720L-0ME24B0-IA	TC720L-0ME24B0-TN TC720L-0ME24B0-FT TC720L-0MJ24B0-A6 TC720L-0MJ24B0-NA	TC72 Home Page
TC72 – AR1337 Camera	TC720L-0MK24B0-A6 TC720L-0MK24B0-NA	TC720L-0ML24B0-A6 TC720L-0ML24B0-NA	TC72 Home Page
TC77	TC77HL-5ME24BG-A6 TC77HL-5ME24BD-IA TC77HL-5ME24BG-FT (FIPS_SKU) TC77HL-7MJ24BG-A6 TC77HL-5ME24BD-ID TC77HL-5ME24BG-EA TC77HL-5ME24BG-NA	TC77HL-5MG24BG-EA TC77HL-6ME34BG-A6 TC77HL-5ME24BD-BR TC77HL-5MJ24BG-A6 TC77HL-5MJ24BG-NA TC77HL-7MJ24BG-NA	TC77 Home Page

TC77 – AR1337 Camera	TC77HL-5MK24BG-A6 TC77HL-5MK24BG-NA	TC77HL-5ML24BG-A6 TC77HL-5ML24BG-NA	TC77 Home Page
WT6300	WT63B0-TS0QNERW WT63B0-TS0QNENA WT63B0-TS0QNE01 WT63B0-TX0QNERW WT63B0-TX0QNENA WT63B0-TS0QNETR	WT63B0-KS0QNERW WT63B0-KS0QNENA WT63B0-KX0QNERW WT63B0-KX0QNENA	WT6300 Home Page

Component Versions

Component / Description	Version
Linux Kernel	4.19.157-perf
GMS	13_202304
AnalyticsMgr	10.0.0.1008
Android SDK Level	33
Audio (Microphone and Speaker)	0.9.0.0
Battery Manager	1.4.3
Bluetooth Pairing Utility	7.0.10
Camera	2.0.002(135-00)
DataWedge	13.0.322
EMDK	13.0.23.4723
ZSL	6.1.3
Files	version 14-10572802
MXMF	13.3.0.46
NFC (PS20 Not applicable and other product gms and ngms applicable)	NFC_NCIHALx_AR18C0.d.2.0 NFC_NCIHALx_AR18C0.d.2.0 and 12.50.9 (for selected TC26 devices)
OEM info	9.0.0.935
OSX	SDM660.130.13.21.22
RXlogger	13.0.12.57

Scanning Framework	42.13.8.0
StageNow	13.0.0.0
Zebra device manager	13.3.0.46
Zebra Bluetooth	13.5.2
Zebra Volume Control	3.0.0.97
Zebra Data Service	10.0.8.1001
WLAN	FUSION_QA_2_1.2.0.005_T
Showcase App	1.0.55
Android System WebView and Chrome	122.0.6261.105

Revision History

Rev	Description	Date
1.0	Initial release	July 16, 2024