



Release Notes – Zebra Android 13

13-14-21.00-TG-U03-STD-ATH-04 Release (GMS)

Highlights

This Android 13 GMS release 13-14-21.00-TG-U03-STD-ATH-04 covers TC53, TC58, TC73, TC78, TC22, TC27, HC20 and HC50 family of products.

This release requires a mandatory step OS Update method to upgrade to A13 BSP software from A11.

Please refer for more details under “**OS Update Installation Requirements and Instructions**” section.

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

Software Packages

Package Name	Description
AT_FULL_UPDATE_13-14-21.00-TG-U03-STD-ATH-04.zip	Full package update
ATH_DELTA_UPDATE_13-14-21.00-TG-U01-STD_TO_13-14-21.00-TG-U03-STD.zip	Delta package update from 13-14-21.00-TG-U01 TO 13-14-21.00-TG-U03-STD release

Security Updates

This build is compliant up to [Android Security Bulletin](#) of Oct 05, 2023.

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.

○ 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-51265 - Resolved an issue on Speaker phone mode where mic quality is poor.
- 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
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Product Build Number	13-14-21.00-TG-U03-STD-ATH-04
Android Version	13
Security Patch level	October 05, 2023
Component Versions	Please see Component Versions under Addendum section

Device Support

The products supported in this release are TC53, TC58, TC73, TC78, TC22, TC27, HC20 and HC50 family of products.

Please see device compatibility details under Addendum Section.

OS Update Installation Requirements and Instructions

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 **13-14-21.00-TG-U02-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 & Auto PAC Proxy 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.
- StageNow Desktop Smart or Lifeguard feature is not supported for OS Upgrade or OS Downgrade devices.

- 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.
- Customers using an MDM to configure a PEAP-MSCHAPv2 profile without the CA certificate or without the Domain name must use Stage Now to create the desired XML profile. Zebra is working to resolve this in the next release so that the same configuration can also be deployed via EMM.
- Third-party ISV can query for the device model using Android property 'android.os.Build.MODEL' or the system property 'ro.product.model' to check if the device is "HC20", "HC50" or "TC22".

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	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	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	TC53
TC73	TC7301-0T1J4B1000-A6 TC7301-0T1J4B1000-NA TC7301-0T1J4B1000-TR TC7301-0T1K4B1000-A6 TC7301-0T1K4B1000-NA TC7301-0T1K4B1000-TR	TC7301-0T1K6E200A-A6 TC7301-0T1K6E200A-NA TC7301-0T1K6E200B-NA TC7301-0T1K6E200C-A6 TC7301-0T1K6E200E-A6 TC7301-0T1K6E200F-A6	TC73
TC58	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 TC58B1-3T1E6B1W80-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	TC58
TC78	TC78A1-3T1J4B1A10-FT TC78A1-3T1J4B1A10-NA TC78A1-3T1J6B1A10-NA TC78A1-3T1K4B1A10-NA TC78A1-3T1K6B1A10-NA TC78A1-3T1K6B1B10-NA TC78A1-3T1K6B1E10-NA TC78A1-3T1K6E2A1A-FT TC78A1-3T1K6E2A1A-NA TC78A1-3T1K6E2A1B-NA TC78B1-3T1J4B1A80-A6 TC78B1-3T1J4B1A80-IN	TC78B1-3T1J6B1A80-A6 TC78B1-3T1K4B1A80-A6 TC78B1-3T1K4B1A80-IN TC78B1-3T1K6B1A80-A6 TC78B1-3T1K6B1A80-IN TC78B1-3T1K6B1B80-A6 TC78B1-3T1K6B1E80-A6 TC78B1-3T1K6E2A8A-A6 TC78B1-3T1K6E2A8C-A6 TC78B1-3T1K6E2A8E-A6 TC78B1-3T1K6E2A8F-A6	TC78

TC22	WLMT0-T22B6ABC2-A6 WLMT0-T22B6ABC2-NA WLMT0-T22B6ABE2-A6 WLMT0-T22B6ABE2-NA WLMT0-T22B6ABC2-TR WLMT0-T22B6CBC2-A6 WLMT0-T22B6CBC2-NA WLMT0-T22B8ABC8-A6 WLMT0-T22B8ABD8-A6 WLMT0-T22B8CBD8-A6 WLMT0-T22B8ABD8-NA WLMT0-T22B8CBD8-NA WLMT0-T22B6ABC2-A601		TC22
TC27	WCMTB-T27B6ABC2-A6 WCMTB-T27B6ABE2-A6 WCMTB-T27B6CBC2-A6 WCMTB-T27B8ABC8-A6 WCMTB-T27B8ABD8-A6 WCMTB-T27B8CBD8-A6 WCMTB-T27B6ABC2-A601 WCMTA-T27B6ABC2-NA WCMTA-T27B6CBC2-NA WCMTA-T27B6ABE2-NA WCMTA-T27B8ABD8-NA WCMTA-T27B8CBD8-NA	WCMTB-T27B8ABE8-A6 WCMTJ-T27B8ABC8-JP WCMTJ-T27B6ABC2-JP WCMTJ-T27B8ABD8-JP WCMTJ-T27B6CBC2-JP WCMTD-T27B6ABC2-TR WCMTB-T27B8CBC8-BR WCMTB-T27B6ABC2-BR WCMTB-T27B6CBC2-BR	TC27
HC20	WLMT0-H20B6BCJ1-A6 WLMT0-H20B6DCJ1-NA		HC20
HC50	WLMT0-H50D8BBK1-A6 WLMT0-H50D8BBK1-NA		HC50

Component Versions

Component / Description	Version
Linux Kernel	5.4.233-qgki
AnalyticsMgr	10.0.0.1006
Android SDK Level	33
Audio (Microphone and Speaker)	0.21.1.0
Battery Manager	1.5.0
Bluetooth Pairing Utility	5.2
Zebra Camera App	2.3.1
DataWedge	13.0.114
EMDK	13.0.4.4304
Files	t_frc_doc_330543000
License Manager and License Agent	6.0.29 and 6.0.62.5.0.3
MXMF	13.1.0.51
NFC and NFC FW	PN7160_AR_11.02.00 and 12.50.9
OEM info	9.0.0.1005
OSX	QCT6490.130.13.4.13
Rxlogger	13.0.12.27
Scanning Framework	39.45.5.0
StageNow and Zebra Device Manager	13.1.0.51 and 13.1.0.51
WLAN	FUSION_QA_4_1.3.0.008_T FW:1.1.2.0.867.1
WWAN Baseband version	Z230706B_039.1-00178
Zebra Bluetooth	13.3.7
Zebra Volume Control	3.0.0.93
Zebra Data Service	10.0.7.1001
Wireless Analyzer	WA_A_3_1.1.0.016_T

Revision History

Rev	Description	Date
1.0	Initial release	November 24, 2023