



# Release Notes – Zebra Android 11

## 11-31-18.00-RG-U00-STD-GRT-04 Release (GMS)

### Highlights

This Android 11 GMS release 11-31-18.00-RG-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_11-31-18.00-RG-U00-STD-GRT-04.zip	Full Update Package
GR_DELTA_UPDATE_11-27-20.00-RG-U00-STD_TO_11-31-18.00-RG-U00-STD.zip	Delta package from previous release 11-27-20.00-RG-U00-STD

### Security Updates

This build is Compliant up to [Android Security Bulletin](#) of Feb 01, 2024.

### LifeGuard Update 11-31-18.00-RG-U00

This LG patch is applicable for 11-27-20.00-RG-U00-STD-GRT-04 version.

- **New Features**

- None

- **Resolved Issues**

- None

- **Usage Notes**

- None

### LifeGuard Update 11-27-20.00-RG-U00

This LG patch is applicable for 11-23-23.00-RG-U00-STD-GRT-04 version

Updated below mentioned components:

OSx version - SD6375.110.25.39

MXMF 13.1.0.14

License Manager- License Manager: 6.1.1

License Agent Version: 6.1.7.5.0.3

Scanning Framework -	37.9.24.0
Bluetooth Pairing Utility	3.29
DataWedge	11.4.310
EMDK	11.0.141.4041
Linux Kernel	5.4.233
OEM info	9.0.0.828
RXLogger -	7.75.5.36

## ○ New Features

### • **MX 13.1:**

- 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.
- 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.
- 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.
- BQR extn Support to Device Tracker app
- Zebra Recovery Protection
- Added support for ADB command for Scanner SN and Camera SN .
- Added support of AccessMgr support removal for Analytics provider.
- Added support to collect the SIM EID.
- Added support to allow device central to publish data via ZDPI.
- Disabled all NFC HAL services for Federal SKU1
- Added support for service mode.
- Added support for Detection of Fatal exceptions.
- Two applications which are to be launched in split screen mode in a customized split ratio automatically after reboot.
- Single application to be launched in full screen mode automatically after reboot.

## ○ Resolved Issues

- SPR-50166 - Resolved an issue where device not connecting using custom Verizon APN .
- SPR-50571 - Resolved an issue Manual Screen Rotation Doesn't Rotate The Screen.
- SPR-46893 - Resolved an issue StageNow GPRS Manager failed to set APN as a default.
- SPR-50527 - Resolved an issue where reboot randomly with Windtree simcard.
- SPR-50146 - Resolved an issue unable to remap PTT button to Power.
- SPR-50420 - Resolved an issue fix reboot issue

## ○ Usage Notes

- None

## LifeGuard Update 11-23-23.00-RG-U00

- This LG patch is applicable for 11-19-13.00-RG-U00-STD-GRT-04 version

Updated below mentioned components:

OSx version -	SD6375.110.21.37
Acoustic Profiles-	TC15: General:TC15-R-1.3 Cellular: TC15-R-1.1
MXMF	11.9.0.18
Camera Tuning-	Camera 0:01.C.OV13B10.18 Camera 1:01.C.GC5035.04
License Manager-	License Manager: 6.1.1 License Agent Version: 6.1.3.5.0.3
NFC-	NFC_NCIHALx_AR18C0.11.02.00
Zebra Camera-	2.04.102
Scanning Framework -	37.9.12.10
StageNow -	11.9.0.1
RXLogger -	7.75.5.31
Zebra Data Service -	10.0.4.1263

### ○ New Features

- Added support to configure whether LED should be on when it's charging to indicate charging status, else turn off
- Added Zebra Charge Manager support - Provides an interface to administrators to configure battery charging level & charging time to help improve battery longevity.
- Supporting Enhanced Connection manager for device to automatically switch between Wi-Fi and Cellular based on signal strengths
- USB Manager adds the ability to Configure USB Host Mode with rules for connecting peripherals without prompting the device user, for granting apps permission to access peripherals and for auto-launching apps on connection.
- Add support of Free-Form OCR powered by Google ML Kit using Text Recognition v2 (Beta) API
- Adding support MX CSP 11.9 for WWAN/LAN connection manager
- Adding support MX CSP 11.9 for Incoming/Outgoing call blocking through Admin

### ○ Resolved Issues

- SPR-48221 - Resolved an issue wherein devices would go to rescue party mode intermittently.
- SPR-50306 - Fix camera evict rule check logic issue
- SPR 48429 - Resolved an issue wherein user was able to get access to settings menu even with EHS launcher enabled while device was having low battery.
- SPR 48803 – Resolved an issue where MX UI Setting LockOverrideButton feature was throwing Feature not supported error.
- SPR-48680 – Resolved an issue where ET40/ET45/TC53/TC58 Video conference over WEB RTC (Real Time Communication) interpreting solution not working - no picture of the other participant (the interpreter) visible on the Zebra device
- SPR-48197 - Resolved an issue where Device freezes and reboots after a specific SIM is inserted
- SPR-48686 - Resolved an issue where screen rotation locking after waking from sleep

- SPR 48404 - Resolved an issue wherein Keystroke Action Key in Datawedge was not working as expected.
- SPR 47994 - Resolved an issue wherein ZDM was consuming more memory resulting in delayed response to access Privileged settings.
- SPR 47457 - Resolved an issue wherein EMDK's ProcessProfile API would fail if it was repeatedly executed.
- SPR 48005 - Resolved an issue wherein user was not able to set WIFI password that includes “\” using Stage Now
- SPR 47819 - Resolved an issue wherein user was not able to set Display size to 'Large' using Stage Now
- SPR-48051 – Resolved an issue regarding StageNow where FileMgr CSP is not working for A11
- SPR 48128 - Resolved an issue wherein Access Manager CSP was reporting “Unable to Initialize” error while using WFC.
- SPR 50225 - Resolved an issue where beam scan does not work with presentation mode and stay awake enabled
- SPR-47558 - Implemented the Support of Enabling/Disabling Captive Portal through MX

○ **Usage Notes**

- None

**LifeGuard Update 11-19-13.00-RG-U00**

- This LG patch is applicable for 11-14-13.00-RG-U00-STD-GRT-04 version

Updated below mentioned components:

OSx version -	SD6375.110.20.34
Acoustic Profiles-	TC15: General:TC15-R-1.3 Cellular: TC15-R-1.1
MXMF	11.9.0.18
Camera Tuning-	Camera 0:01.C.OV13B10.18 Camera 1:01.C.GC5035.04
License Manager-	License Manager: 6.1.1 License Agent Version: 6.1.3.5.0.3
NFC-	NFC_NCIHALx_AR18C0.11.02.00
Zebra Camera-	2.04.102
Zebra Data Service-	10.0.7.1001

○ **New Features**

- None

○ **Resolved Issues**

- SPR-48491-Enabling the 5G support for Reliance Jio Network

○ **Usage Notes**

- None



## LifeGuard Update 11-14-13.00-RG-U00

### ○ New Features

- Please refer to MXFS [Version History](#) for more information on new features added for MXMF.
- Added accessibility settings to reduced settings mode in MXMF

### ○ Resolved Issues

- SPR-47094 – Resolves an issue where, device does not connect to AirWatch Server when device is connecting to the network through a Proxy PAC file.
- SPR-46408 – Resolves an issue where, StageNow Not showing downloading pop up when downloading OS update file from custom ftp server
- SPR-46162 – Resolves an issue where, USB keyboard stop working when using USBMgr, a parameter called “Access device storage from PC via USB” is set to disable.
- SPR-46418 – Resolves an issue where, License through Proxy is failing from StageNow
- SPR-47128 – Resolves an issue where, App installed manually to device failed to uninstall via StageNow/EMDK uninstall from App Manager
- SPR-47061 – Resolves an issue where MX Upgrade APK will fail
- Fixed an issue where, DataWedge workflow plug-in only allows to do free-form image capture with the default parameters hence any free-form image capture parameter change will not override the default parameters.
- Fixed an issue where, a customer using a proxy PAC file which has isInNet() JavaScript API to direct the traffic to intranet vs extranet or similar functionality will not be able to establish a connection to the desired endpoint without switching to an alternate API such as dnsDomains() or shExpMatch() or dnsDomainLevels().

### ○ Usage Notes

- None

## Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	11-31-18.00-RG-U00-STD-GRT-04
Android Version	11
Security Patch level	Feb 01, 2024
Component Versions	Please see Component Versions under Addendum section

## Device Support

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

## Known Constraints

- Due to Google security constraint, products introduced with Android 11 as the base OS limits the “adb push” command to copy files only to /data partition hence pushing files directly to /enterprise or sub folder of enterprise partition using “adb push” command will not be supported. Please see respective product documentation for further details on path changes related to this constraint.
- Camera preview timeout will be same as the Screen time out set in the system.
- When internal storage runs out, while recording a video or taking pictures using the camera App, user is expected to switch default storage location to external SD card (if a SD Card is present) manually.

## 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 TC15BK-1PE14S-ID TC15BK-1PE14S-TK	<a href="#">TC15 Home Page</a>

### Component Versions

Component / Description	Version
Acoustic Profiles	TC15: General:TC15-R-1.3 Cellular: TC15-R-1.1
Audio	0.1.0.0
AnalyticsMgr	10.0.0.1002
Android SDK Level	30
Base Band Version	MPSS.HI.4.3.1-01282-MANNAR_GEN_PACK-1

Battery Manager	1.4.1
Bluetooth Pairing Utility	3.29
Camera	2.04.102
Camera Tuning	Camera 0:01.C.OV13B10.18 Camera 1:01.C.GC5035.04
DataWedge	11.4.310
EMDK	11.0.141.4041
Files	Aml_doc_310851020
GMS	[11_202203]
License Manager	License Manager: 6.1.1 License Agent Version: 6.1.7.5.0.3
Linux Kernel	5.4.233
MXMF	13.1.0.14
NFC	NFC_NCIHALx_AR18C0.11.02.00
OEM info	9.0.0.828
OSX	SD6375.110.25.39
QCN	1.0
RIL	Qualcomm RIL 1.0
RXLogger	7.75.5.43
Scanning Framework	37.9.24.0
StageNow	11.9.0.1
Touch Panel (FW)	Version : 0x0a Mode-Finger only
WWAN	HW MBN: HW_DEFAULT: 0AE10104 SW MBN:SIM 0: ROW_Commercial: SW MBN:SIM 1: ROW_Commercial: Autoselection:SIM 0: enabled Autoselection:SIM 1: enabled
Zebra Data Service	10.0.4.1263
Android System WebView and Chrome	119.0.6045.193

## Revision History

Rev	Description	Date
1.0	Initial release	February 19, 2024