Release Notes – Zebra Android 11

11-33-17.00-RG-U00-STD-GRT-04 Release (GMS)

Highlights

This Android 11 GMS release 11-33-17.00-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_11-33-17.00-RG-U00-STD-GRT-04.zip	Full Update Package
GR_DELTA_UPDATE_11-31-18.00-RG-U00-STD_TO_11-33-17.00-RG-U00-STD.zip	Delta package from previous release 11-31-18.00-RG-U00-STD

Security Updates

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

LifeGuard Update 11-33-17.00-RG-U00

➢ This LG patch is applicable for 11-31-18.00-RG-U00-STD-GRT-04 version.8

- o **New Features**
  - • **MX 13.3:**
    - ▪ **DevAdmin Manager**
      - • Added a new MX feature which allows admin to show/hide Keyguard screen on remote display.
    - ▪ **UI Manager**
      - • 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 new MX feature to enable/disable write access to Android/data and Android/obb folders of the device, when connected via MTP.
  - • **Scanner:**
    - ▪ Added support 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.

- **OSX:**
    - Added encryption of SDcard operation support.
- **ZDM:**
    - Enable/Disable Remote Control Password/Pin Unlock Device when Keyguard is engaged.
    - Added the ability to hide or show Remote Control/Cast Notification in the status bar during screen casting.
    - Added the ability to administratively configure External screen resolution which takes effect when device is placed in a workstation cradle, extended to a secondary desktop in mirror mode.
- **DataWedge:**
    - Added support for Digital Link parsing for GS1 barcodes in DataWedge.
    - Added Localization support for Digital Link parsing for GS1 barcodes in DataWedge.
- **WAN:**
    - Added Support for Telecom - Argentina Carrier Requirement.
    - Added support of feature VoLTE/VoNR configuration via MX/OEMConfig.
- Added a feature to measure battery consumption per application.

o **Resolved Issues**
- SPR-51755 - Resolved an issue where Notification setting was still accessible when App Notification control was disabled.
- SPR-51659 - Resolved an issue wherein KeyProgrammer was not starting in Kiosk mode.
- SPR-51480 - Resolved an issue wherein Key remapping with Shift OFF is not working.
- SPR-51086 - Resolved an issue wherein Hardware picklist was not working with NG Multi Barcode settings.
- SPR-51947 - Resolved an issue wherein multiple instances of EKB were observed when OEMCONFIG was used to setup EKB as default IME.4.
- SPR-51746 – Resolved an issue where DataWedge is getting disabled when an EMDK scanning application is launched soon after a reboot.
- SPR-51525/ SPR51409/SPR51910 - Resolved an issue where DataWedge/ZebraCommonIME is getting selected as the default IME during scans.
- SPR-51099 – Resolved an issue where user is unable to scan in the Google Setup Wizard screen.
- SPR-50986 – Resolved a synchronization issue that occurs when a DataWedge profile loads upon an activity change and receives a SET_CONFIG intent at the same time that led to an ANR.
- SPR-51331 – Resolved an issue where scanner remains in DISABLED state after a suspend and resuming of device.
- SPR-51244 – Resolved issue where in ZebraCommonIME was getting set as the default Input Method.
- SPR-51491 – Resolved an issue where Mx Display configuration causes screen to dim but not time out.
- SPR-51950- support for PKCS12 format in CertMgr Mx configuration.
- SPR -51954 - EHS Screen Blanking with DND Hotfix issue.

- SPR-51241- Ethernet Static IP and Ethernet proxy are not able to configure using EthernetMgr Mx Configuration.
- SPR-52769 - Resolved an issue wherein BT Scanning service was getting killed due to Low memory.
- SPR-50862 - Resolved an issue for wrong APN proxy & mms setting for Swisscom carrier (Switzerland).
- SPR-52539 - Resolved an issue wherein Datawedge scanning was not working after device resumes back from suspend state.
- SPR-51686 - FileMgr Mx Configuration reports download is completed before file has been downloaded completely.
- SPR-51608 - Resolved an issue where in Scanner beam gets stuck and DataWedge crash is observed with customer application.

o **Usage Notes**

- None

LifeGuard Update 11-31-18.00-RG-U00

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

o **New Features**

- None

o **Resolved Issues**

- None

o **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

o **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 isssue

- **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
```

o **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 helps 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

o **Resolved Issues**

- SPR-48221 - Resolved an issue wherein devices would goto 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

o **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

o **New Features**

- None

o **Resolved Issues**

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

o **Usage Notes**

- None

LifeGuard Update 11-14-13.00-RG-U00

o **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

o **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 dnsDomainIs() or shExpMatch() ordnsDomainLevels().

o **Usage Notes**

- None

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	11-33-17.00-RG-U00-STD-GRT-04
Android Version	11
Security Patch level	Feb 05, 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	TC15 Home Page

Component Versions

Component / Description	Version
Acoustic Profiles	TC15: General:TC15-R-1.3 Cellular: TC15-R-1.1
Audio	0.1.0.0
AnalyticsMgr	10.0.0.1008
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	11.4.505
EMDK	11.0.146.4046
Files	Aml_doc_310851020
GMS	[11_202203]
License Manager	License Manager: 6.1.3 License Agent Version: 6.2.2.5.0.3
Linux Kernel	5.4.233
MXMF	13.3.0.2
NFC	NFC_NCIHALx_AR18C0.11.02.00
OEM info	9.0.1.134
OSX	SD6375.110.33.43
QCN	1.0
RIL	Qualcomm RIL 1.0
RXLogger	7.75.5.45
Scanning Framework	37.9.37.0
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	10.0.7.1147
Android System WebView and Chrome	112.0.6261.105

Revision History

Rev	Description	Date

1.0	Initial release	April 19, 2024