Release Notes for Zebra TC20 and TC25 Android Oreo 01-28-07.00-ON-U19-STD Release (Non-GMS)

Highlights

The details of the Android Non-GMS Oreo release 01-28-07.00-ON-U19-STD that covers TC20/TC25. Please see, Device Compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
IRIS_DELTA_UPDATE_01-28-07.00-ON-U19.zip	Delta Package Update

Security Updates

This build is Compliant up to Android Security Bulletin of May 5 2021.

LifeGuard Update 19:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
The LG Patch includes the following updated components.

S.N.	Component	Version
1.	Android security patch level	May 5, 2021
2	IMEI SV Number	12

LifeGuard Update 18:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
The LG Patch includes the following updated components.

S.N.	Component	Version
1.	Mx version	9.4.0.5
2	MX Proxy Framework	10.3.0.18
3	OSx version	QCT_81_8.13.4.UL
4	Webview	89.0.4389.90

LifeGuard Update 13:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
The LG Patch includes the following updated components.

S.N.	Component	Version
1.	OemInfo	9.0.0.331

2.	Wifi	FUSIONLITE_QA_1_0.0.0.028_O
3.	Radio	QA_1_00.0.0.022_O
4.	Application	QA_1_00.0.0.009_O
5.	Middleware	QA_1_00.0.0.014_O

LifeGuard Update 11:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
The LG Patch includes the following updated components.

S.N.	Component	Version
1.	WebView	85.0.4183.101
2.	OemInfo	9.0.0.282

Features

- Added support in OemInfo to allows customer applications and sideloaded applications to read BT MAC address

LifeGuard Update 09:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
The LG Patch includes the following updated components.

S.N.	Component	Version
1.	Android security patch level	October 5, 2020

LifeGuard Update 07:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
The LG Patch includes the following updated components.

S.N.	Component	Version
1.	Scanning Framework	23.1.9.1
2.	Zebra Data Service	7.0.2.1047
3.	OemInfo	9.0.0.198

Fixes

- SPR40287 – Added updates on feature dotcode bar-codes.

LifeGuard Update 05:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
The LG Patch includes the following updated components.

S.N.	Component	Version
1.	MX	9.4.0.2
2.	Data Wedge	7.3.34

3.	Stage Now-Client	3.4.1.5
4.	EMDK for Android	7.3.23.2323
5.	MX Proxy Framework	10.0.1.1
6.	OSx	QCT.81.8.11.4.UL

Fixes

- SPR40193/40250 – Resolved an issue wherein user was unable to power off the device by clicking on the Power menu item while automation suite was running on the device.

LifeGuard Update 03:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
  The LG Patch includes the following updated components.

- FUSIONLITE_QA_1_0.0.0.027_O
  Radio: QA_1_00.0.0.021_O
  Application: QA_1_00.0.0.009_O
  Middleware: QA_1_00.0.0.014_O

Fixes

- SPR39819 – Resolve an issue where EXTRA Enter was observed in app's multiline input field on scan the barcode with DW settings have set Action Key Char as "Line Feed".

LifeGuard Update 02:

➢ This LG patch is applicable for 01-28-07.00-ON-U00-STD BSP version.
  The LG Patch includes the following updated components.

- FUSIONLITE_QA_1_0.0.0.026_O
  Radio: QA_1_00.0.0.020_O
  Application: QA_1_00.0.0.009_O
  Middleware: QA_1_00.0.0.013_O

Fixes

- SPR38643 – Added support for "Send Characters As Events" option.
- SPR38723 – Resolved an issue wherein the DST time zone for Sao Paolo was shown incorrect.

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	01-28-07.00-ON-U19-STD
Android Version	8.1.0
Security Patch level	May 5, 2021
Linux Kernel	3.18.71
Component Versions	Please see Component Version under Addendum section

Installation Instructions

Software update procedure

The installation instructions assume user has ADB installed on their PC (the adb drivers etc..) and user device has developer options enabled and USB debugging ON. Please check following link for more information on installation and setup instructions.

- • Installation and setup instructions

NOTE:

For Enterprise Mobile Device Management, most EMM vendors such as SOTI, AirWatch, MobileIron, etc. WILL require an updated device management agent to support this OREO enterprise device.   Do NOT use your existing device management agent and console with this device without first contacting your EMM vendor to understand when the agent supporting this device is available and whether a console upgrade is required as well.   Attempting to enroll with an agent that is not validated to support the device will result in errors.

Addendum

Device Compatibility

This software release has been approved for use on the following devices.

TC20 Home Page

TC20	
Device Part Number	Operating System
TC200J-20C112CN	Android O (Non-GMS Only) China Only
TC200J-20A111CN	Android O (Non-GMS Only) China Only
TC200J-2KC111CN	Android O (Non-GMS Only) Keyboard SKU - China Only
TC200J-2KC11112	Android O (Non-GMS Only) China Only
TC200J-20C213CN	Android O (Non-GMS Only) Premium SKU -China Only

TC25	
Device Part Number	**Operating System**
TC25CJ-20B101CN	Android O (Non-GMS Only) China Only
TC25CJ-20C102CN	Android O (Non-GMS Only) China Only

Component Versions

For detailed release notes, please refer techdocs.zebra.com, developer.zebra.com

Component / Description	Version
Build_version	01-28-07.00-ON-U19-STD
Android_version	8.1.0
Android_SDK_Level	27
Android Security Patch Level	May 5, 2021
Linux_kernel	3.18.71
Wifi	FUSIONLITE_QA_1_0.0.0.028_O Radio: QA_1_00.0.0.022_O Application: QA_1_00.0.0.009_O Middleware: QA_1_00.0.0.014_O Firmware: CNSS-PR-4-0-00713/01050102
Platform	Qualcomm MSM8937
Scanning_Framework	23.1.9.1
DWDemo	2.0.15
OSX	QCT.81.8.13.4.UL
MXMF	9.4.0.5
Touch	Focaltech V1.1 20161103 (fw:0x24)
Acoustic Profiles	General: CO4.2 Cellular: CO4.2
Bluetooth_Stack	CNSS-PR-4-0-00713/01050102
Flash_Size	16G /32G

RAM_Size	2G
GPS	MPSS.JO.3.0.c13-00016-8937_GENNS_PACK-1
MMS	8.1.0
RIL_Version	Qualcomm RIL 1.0
BT_Pairing_Utility	3.15
Datawedge	7.3.34
Camera	2.0.002
PTT	3.1.39
RxLogger	5.4.12.0
StageNow	3.4.1.5
Zebra Data Service	7.0.2.1047
Zebra Software License Manager	3.2.0
EMDK	7.3.23.2323
IMEI SV Number	12
OEM Config	9.0.0.331
DDT	V1.17.0.9
WebView	89.0.4389.90
Fingerprint	Zebra/TC25/TC25FM:8.1.0/01-28-07.00-ON-U19-STD/210505:user/release-keys, Zebra/TC20/TC20RT:8.1.0/01-28-07.00-ON-U19-STD/210505:user/release-keys, ZebraTC20/TC20RD:8.1.0/01-28-07.00-ON-U19-STD/210505:user/release-keys, Zebra/TC20/TC20KB:8.1.0/01-28-07.00-ON-U19-STD/210505:user/release-keys,

Important Links

- https://techdocs.zebra.com/datawedge/7-3/guide/about/
- https://techdocs.zebra.com/emdk-for-android/7-3/guide/about/
- https://techdocs.zebra.com/stagenow/3-4/about/
- https://techdocs.zebra.com/mx/
- https://techdocs.zebra.com/ddt/1-1/guide/about/
- https://techdocs.zebra.com/rxlogger/5-4/guide/about/

Known Issues and Workarounds

- OS downgrade behavior has changed in Oreo. Automatic enterprise data reset is performed when the system detects OS downgrade operation. Following are the examples of OS downgrade operations:
  - Oreo (NGMS) to Nougat (NGMS)

- o   Downgrading to lower patch version within Oreo.
- To avoid text cropping in some applications, accessibility options can be used to change the display size to small.
- An issue wherein period key was not working on Remote connections (RDP / Horizon / Citrix)
  User needs to push an empty file namely SPR36457.txt and copy it into /enterprise/usr/persist/ and reboot the device for this functionality to get enabled.

Revision History

REV	DESCRIPTION	DATE
1.0	Initial Release	June 2, 2021