Release Notes – Zebra Android Pie 02-11-01.00-PG-U06-STD Release (GMS)

Description

The details of the Android GMS Pie (9.0.0) release 02-11-01.00-PG-U06-STD, that covers family of products including TC52, TC72 & PS20. Please see, Device Compatibility under Addendum Section for more details.

Software Packages

Package Name	Description
HE_INCREMENTAL_UPDATE_02-11-01.00-PG-U06-STD.zip	CFE package update

Security Updates

This software release is compliant up to [Android Security Bulletin](#) of July 01 2019.

Update 06:

➢ This update patch is applicable for 02-11-01.00-PG-U00-STD release. This patch adds the support for PS20 32GB devices.

Fixes

- Fixed: Issue on PS20 devices, where terminals will not charge if the cradles are rebooted with terminals placed on it.
- Fixed: Issue on TC72, TC52 devices wherein the terminals fails to detect Type 1 NFC card (Mifare standard 4K/SLI-X 1024/TI Tag-it plus 2048/NFC Tag Type 1 NFC cards).

Version Information

Below Table contains important information on versions

Description	Version
Product Build Number	02-11-01.00-PG-U06-STD
Android Version	9
Security Patch level	July 1, 2019
Linux Kernel	4.4.153
Component Versions	Please see Component Version under Addendum section

Installation

Requirements and Instructions

https://www.zebra.com/content/dam/zebra_new_ia/en-us/software/operating-system/helios/pie-os-update-instructions.pdf

Upgrade options

Below table provides detailed information on shortest path to upgrade based on current version of software.

Current Software Version on Device	Steps to get to this Release	Comments
01-12-01.00-OG-Uxx 01-13-20.00-OG-Uxx 01-21-18.00-OG-Uxx	1. Apply Full Package Update HE_FULL_UPDATE_02-11-01.00-PG-U00-STD.zip 2. Apply Incremental Update HE_INCREMENTAL_UPDATE_02-11-01.00-PG-U06-STD.zip	
01-18-02.00-OG-Uxx	**Option 1:** 1. Apply Delta Package Update HE_DELTA_UPDATE_01-18-02.00-OG_TO_02-11-01.U00-PG.zip 2. Apply Incremental Update HE_INCREMENTAL_UPDATE_02-11-01.00-PG-U06-STD.zip **Option 2:** 1. Full Package Update Apply HE_FULL_UPDATE_02-11-01.00-PG-U00-STD.zip 2. Apply Incremental Update HE_INCREMENTAL_UPDATE_02-11-01.00-PG-U06-STD.zip	**Option #1** is recommended as size of Delta package update is smaller compared to Full Package Update
02-11-01.00-PG-Uxx	1. Apply Incremental Update HE_INCREMENTAL_UPDATE_02-11-01.00-PG-U06-STD.zip	

Known Constraints

Below are Known Constraints and workaround if applicable.

- In devices running Android Pie where an EMM implements Lock Task Mode, there is a potential issue when the power button is pressed that no items will appear in the power button menu while the device is in Lock Task Mode. This issue only occurs if the EMM has not implemented certain flags to enable the power button menu actions. Global actions dialogue during Lock Task mode must be enabled.
  Reference:
  https://developer.android.com/reference/android/app/admin/DevicePolicyManager.html#LOCK_TASK_FEATURE_GLOBAL_ACTIONS
  It is recommended that you contact your EMM to see if this API change will impact accessing power button menu actions. Some EMMs have implemented methods to suppress Activities that may mitigate the issue. Please check with your EMM.

- In devices running Android Pie after an Enterprise Reset there is a possibility of the SOTI Agent having issues initiating and running on the device. This is due to inconsistencies with Process I.D assignments performed by the operating system after an enterprise reset. We recommend in Zebra devices running Android Pie that an XML file with an interim fix be pushed and set on the device prior to performing an Enterprise Reset to ensure that this issue does not occur. Please contact your SOTI or Zebra support rep to receive a copy of the XML file.
  In September SOTI will release an agent that will solve the problem programmatically and will not require any XML or manual intervention.

- If VPN is configured with 'Always On' on a device, on a reboot, there is an intermittent occurrence of device not connecting to VPN server. User can workaround the issue by configuring the VPN as not 'Always On'.

Addendum

Device Compatibility

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

Device Family	Part Number	Device Specific Manuals and Guides
TC52	TC520K-1PEZU4P-A6 TC520K-1PEZU4P-NA TC520K-1PEZU4P-IA TC520K-1PEZU4P-EA	Visit Manuals Section under TC52 Home Page
TC72	TC720L-0ME24B0-A6 TC720L-0ME24B0-NA TC720L-0ME24B0-BR TC720L-0ME24B0-IA TC720L-0ME24B0-TN	Visit Manuals Section under TC72 Home Page
PS20	PS20J-P4G1A600 PS20J-P4G1NA00 PS20J-B2G1A600 PS20J-B2G1NA00 PS20J-P4H1A600 PS20J-P4H1NA00	Visit Manuals Section under PS20 Home Page

Component Version

Functional Area	Versions
ActiveEdge	2.7.4
AnalyticsMgr	2.4.0.1251
Audio (Microphone and Speaker)	0.12.0.0
Battery Management	Version : 1.4.2
Battery Swap (Enhanced)	Version : 2.1.1
Bluetooth Pairing Utility	Version 3.16
PS20 Cradle	Utility: 1.01 FWUpdater: 1.0
DataWedge	7.4.46
Device Central	2.2.0.8
Diagnostic Tool	v1.18.0.3
EMDK	7.4.23.2423
Enterprise Browser	2.0.5.0
Enterprise Keyboard	2.2.2.3
Fota	1.0.0.5
License Manager and License Agent	3.2.0
MSRN	2.01
MX	MXMF version: 9.1.1.36
NFC	NFC_NCIHALx_AR40.9.3.0
OSX	QCT.90.9.2.27
PTT Express	3.1.42
Rxlogger	Version 6.0.0.0
Scanning Framework	22.1.17.0
Simulscan	Version: 4.0.5 SimulscanEngine 3.2.2
WorryFree Wifi Analyzer (WFW / SmartMU)	WFW_QA_2_3.0.0.009_P
StageNow	3.4.1.4
Touch Panel	TC52 : 1.8.3-Finger-2-0 TC72 : 2.0.1-Finger-1-0 PS20: v08
WLAN	FUSION_QA_2_1.1.0.013_P
Zebra BlueTooth	2.1
Zebra Data Service	9.0.0.1161
Zebra Volume Control (ZVC)	2.2.0.8
Zebra Folders	9.1

Revision History

REV	DESCRIPTION	DATE
1.0	Initial Release	Sept 4, 2019