

# Device Diagnostic Tool 2.7.0.3

## Release Notes – Apr 2022

### Highlights

Device Diagnostic Tool (DDT) 2.7.0.3 is an extension of DDT 2.6.0.2 with new features and enhancements.

### Device Support

- Newly supported devices in this release:
  - Android 11: TC53, TC58, WS50, TC15, TN28, ET45, ET40

See [all supported devices](#).

### New in Device Diagnostic Tool 2.7.0.3

New features listed below are supported in Android A10 and A11

- **Allow Log Upload Only on Failure** added which allows log upload only on test failure. This option can be applied through either configuration file or Managed Configuration (EMMs).

### Resolved Issues

- DDT Scanning error [SPR 46343] – Unable to detect scan button in the button test for TC57 device.

### Limitations

Android 10 and Android 11 limitation due to security restrictions:

- In the WWAN test details screen, "Device ID" is not visible.
- In the History.log file, "Device ID" and "Device Serial#" is not visible.

### Known Issues

- When running more than one test and viewing the results in the [VisibilityIQ](#) dashboard, the start times are the same across the different tests. Similarly, the end times are also the same across the different tests.

### Important Links

Device Diagnostic Tool Tech Docs link: <https://techdocs.zebra.com/ddt/2-7/guide/about/>

## Version History

### New in Device Diagnostic Tool 2.6.0.2

- New **About** screen added, containing version information. To access **About**, tap the menu on the top right of the main screen and select About.
- Scanner Test now supports all barcode symbologies. Previously, a restricted set of symbologies were supported, which resulted to a failed test if an unsupported barcode was scanned.
- DDT now sends test result data to Zebra Data Service for integration with VisibilityIQ.
- Added test completion (end) time to the log files, in addition to the test start time.

### Resolved Issues

- None

### New in Device Diagnostic Tool 2.5.0.2

- New SD Card Test to check for SD card presence, total/free space, and read/write status.
- DDT is now localized in 7 different languages (French, Italian, German, Spanish, Portuguese, Chinese and Japanese) based on the language of the Android system.
- New Automated Log File Export with Managed Configuration to remotely export log files to a designated FTP server.

### Resolved Issues

- Test result is not logged properly when a test is cancelled.

### New in Device Diagnostic Tool 2.4.0.3

- New feature to upload logs to FTP server. Configuration file and log files can be uploaded on demand from the device to an FTP server.
- New feature to schedule jobs for device tests. Device tests can be scheduled to perform at a specified time. Once a job is scheduled, it automatically repeats at the specified time on a weekly basis.
- New battery threshold value to set the maximum charge cycle count of the battery that triggers "Need to replace battery" in the Decommission Status. Applies only to Power Precision batteries.

### New in Device Diagnostic Tool 2.3.0.1

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- New Help option available which links to the Device Diagnostic Tool support portal.
- New data fields captured for Battery test: battery level and battery current capacity.
- New features configurable through the configuration file:
  - perform tests individually
  - capture logs individually for each test performed
- Fixed an issue where DDT does not revert the device back to its original device orientation, landscape or portrait mode, after application exit.
- Enhancements:
  - For the WLAN test, the radio power cycle is replaced by a check to determine if the WiFi radio is enabled. If the WiFi radio is not enabled when initiating the WLAN test, the user is prompted to enable the radio.
  - To display the ESSID from a WLAN test on Android O or higher, *Location* service is required to be enabled on the device due to Android restrictions. If *Location* service is not enabled, the user is prompted to enable it. If the test proceeds without *Location* service enabled, *ESSID* returns "Location not enabled" instead of "Unknown SSID."
  - For the WWAN test, if a sim card is not present in the device, the test no longer fails and now shows *Absent* for the *Sim State* along with the appropriate status for the rest of the WWAN parameters.

## New in Device Diagnostic Tool 2.2

- New devices supported - see supported devices for Device Diagnostic Tool on Zebra Downloads.
- Android 10 limitations due to security restrictions:
  - In the WWAN test details screen, "Device ID" is not visible.
  - In the History.log file, "Device ID" and "Device Serial#" is not visible.
- Fixed Issues:
  - On TC20 and TC25 Android Oreo, when performing the Button test the scan trigger press fails.
  - On TC25 Android Nougat, when performing the Button test the Time Remaining value for the parameter timeout does not take into effect for PTT or scan buttons.
- Known Issues:
  - On Android 10 WWAN devices, if a sim card is not inserted and a WWAN test is performed, improper values may be returned for Voice state.
  - When a battery test is performed, improper values may be displayed on the following devices: Devices that require AC Power to operate (no battery exists), such as CC605 and CC610 ET50 devices - the part number, serial number and manufactured date may display improperly

## New in Device Diagnostic Tool 2.1

- Introduced 2 modes of operation: admin mode and user mode.
- Changes in supported tests:
  - Tests added: Scanner, Button, Touch Screen, Audio
  - Tests removed: GPS, System
- Added capability to import or export configuration files.
- New Settings and Configure Tests app screens for administrators.
- Known Issues:
  - On TC20 and TC25 Android Oreo, when performing the Button test the scan trigger press fails.
  - On TC20 and TC25 Android Nougat, when performing the Battery test the Decommission status may return incorrect information.
  - On TC25 Android Nougat, when performing the Button test the Time Remaining value for the parameter timeout does not take into effect for PTT or scan buttons.
  - On TC75x Android Marshmallow, Data State in WWAN test may display “Data Disconnected” even though mobile data is enabled on the device.
  - When the app is running and the EMM command is executed to run the test remotely, if the user tries to launch the app manually after the test completes, the app may encounter unexpected behavior. In this case the user must manually restart Device Diagnostic Tool to recover.

## About Device Diagnostic Tool

Device Diagnostic Tool instantly tests and diagnoses the hardware operability on Zebra mobile devices to determine system health and functionality. Where appropriate, Zebra Help Desk uses this tool for troubleshooting device issues, relying on the results to provide optimum steps to reach a resolution. It is useful for quickly troubleshooting device issues, resulting to increased worker productivity, limited device downtime, and unnecessary returns to the Zebra Repair Center.