

Release Note for TEMS™ Investigation 27.0

Release Date: Feb 14, 2025

New Features

- **Samsung Galaxy S25 Series** are now supported in TEMS Investigation, A Protocol bundle 2025 license is required (including Qualcomm T) to use these devices.
For more details, please refer to the [TEMS Device Information page](#) available on the Support Portal.
- TEMS Investigation is ready for testing with Redcap devices built on the Qualcomm Snapdragon X35 chipset. Verified devices: SIMCom SIM8230G-M2 and FiboCom FG132-GL-00.
For more details, please refer to the [TEMS Device Information page](#) available on the Support Portal.
- **VPN Start/Stop** functionality has been added for Android and iOS devices. This feature allows users to control the [VPN IP Sniffer](#) from TEMS Investigation, improving commercial device support and enhancing user control over VPN connections.
- **HTTP/3 testing** using the QUIC protocol is now added to the HTTP Webkit testing action.
- Support for **user-configurable MTU size** has been added when using [IPVPN IP Sniffer](#). This feature allows users to adjust the MTU size from TEMS Investigation, potentially improving performance for Android and iOS devices.
- **NR TxPower control parameters** have been implemented, including a new Information Element: NrServingCellPowerMax. This feature uses P-max and UE power classes to limit NR TxPower, providing more accurate power level presentation.

Improvements

- Python script testing has been enhanced for [faster execution](#)
- TEMS Investigation now supports NR SA and MRDC NR Neighbor cell name and distance. This feature enhances the existing NR serving cell name and distance support, improving the visualization of network information
- **Configurable Timing:** More Information Elements can now be controlled by timing, this package includes PDCCH /Transport Block, Serving Cell, and Neighbor measurements which pushes the list of support Information Elements close to 300 Configurable Information Elements. See the [Information Elements List](#) for details.
- ODM Ping and Trace route testing enhanced with **additional DNS KPIs**
- **NR SA/NSA Cell Lock** is now supported on the Samsung Galaxy S24 based on the Exynos chipset. This feature allows users to lock their device to a specific 5G cell in standalone or non-standalone mode
- Qualcomm **NR-DC support for 5G MAC RACH** has been implemented
- TEMS Investigation now displays RSRP/SINR real values in NR-RRC/LTE messages. This update improves readability by showing actual dB or dBm values instead of raw numeric values, making it easier for users to interpret measurement reports.
- **User-controlled elevation** enables more flexible application security administration.
- PCTEL Scanner improvements
 - PCTEL Scanners now support 5G NR Bands 31, 54, 72, 109, and 254
(Require IB/HBFLex FW v3.13 or GFLex FW v7.0)

Bug Fixes

- 00552512 "EPS Bearer Context Drop" event reporting during call Establish
- 00554470 Additional meaningless SIP messages in Logfiles text format export
- 00555562 Antenna Gain in TEMS Discovery/TI
- 00556517 TD25.1.3 vs TD26.2.2: EUTRAN Inter-frequency Handover is missing in TD26.2.2
- 00557771 Failed to open the selected logfile: TP collected trp can't be replayed in TI

Removed and Deprecated Features

- Youtube PEVQ-S Pixel-Based Reference Model
- Cell Files with the .cel file format.
- All social media script actions will be replaced by the OTT media framework. This change will affect scripts containing actions for Netflix, Facebook, Instagram, X (formerly Twitter), WhatsApp, and Skype.

Known Issues

- **Multi-SIM:**
 - There are no tags indicating which SIM slot was used for activities.
 - Frequent toggling of SIM controls might impact the Presentation View.
 - Route Finder, Route Utility, Export Tool, and HTML Generator do not support Multi-SIM.do

Installation Instructions

To install TEMS™ Investigation version 27.0, follow these steps:

1. Log in to <https://gls.tems.com>
2. Download TEMS Investigation 27.0
3. Unzip the downloaded file
4. Execute [TEMSInvestigation27.0.exe](#) and follow the on-screen instructions to complete the installation process.

Support

For any issues, questions, or feedback, please get in touch with our support team at the [Support Portal](#).

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