



UE real network validation

Anritsu introduces automated testing of smartphones (or UE – User equipment) against a mobile operator's network. We used it in a lab environment with a real network (2G, 3G, LTE) and it supports handovers and switching between technologies.

When you could need it:

- ❑ **any hardware or software change in the network**
the operator needs to verify if the change doesn't cause any issue in the network parameters
- ❑ **there is a new UE model to be launched on the market**
the operator needs to verify if it works with the network
- ❑ **an application must be checked in a real network under specific conditions**

We know that every second and every data counts. **Real-time monitoring** of a radio interface, **campaign testing** or application's functionality with many UEs and **customizable** tests are available.

Within UE real network validation, you can also work with troubleshooting and analysis tools.



Input

- ❑ Predefined set of test cases and suites
- ❑ Your own defined test cases
- ❑ Automation environment test
- ❑ Managed tests on the UEs and network scenarios
- ❑ Verifying the expected results parameters in the network and applications
(e.g. specific screen is displayed)

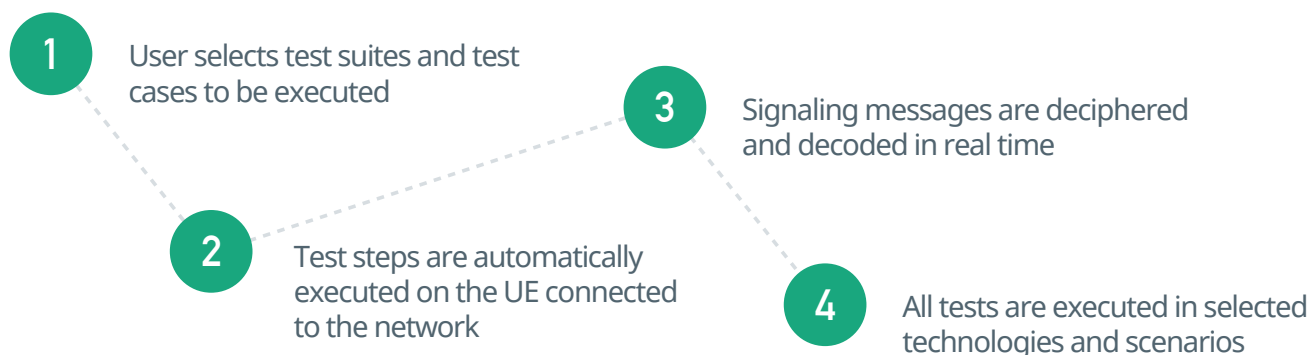


Output

- Signaling message and application test results stored in logs
- Tests results examined for verification and KPIs calculations
- The signaling verification based on predefined parameters
- Verification of all test steps and results from applications
- Verified and stored KPIs, stored logs, docoded and stored trace files

Results can be exported to .xls or external systems

Process



Unique features

- fully automated process
- End-to-end testing (smartphone-network-applications)
- KPIs processing and reporting
- Supports Android and iOS
- Signaling messages are deciphered and decoded in real time
- 2G, 3G, LTE and all scenarios, calls, data and applications tests covered files are decoded and stored