SIM Server

Adding virtual SIM-Cards
to the LTS and LTS-F Test Systems.

| SIM Server core benefits.

The SIM Server enables the Qosmotec Lab Test System LTS and the field test system LTS-F to assign different SIM identities to the test mobiles inside the remote test units, regardless of their actual physical location (virtual SIM cards). The SIM server enables roaming test and prevents from establishing extensive SIM card distribution and handling mechanisms through cost effective centralised SIM card management.

| SIM Server Function.

A number of physical SIM cards are installed in a central server, which, under control of LTS or LTS-F, can communicate with the remote test probes.

In the remote probes, an adapter plugged into the mobile SIM slot pretends being a real SIM card to the test mobile, while just passing through the data exchanged between the mobile and the real SIM card in the SIM Server.

The communication between the mobile and the SIM is thus per-

Figure 1: SIM Server Function

formed via a remote connection, transparent to the mobile and the test case under execution. All test cases usually executed with a real SIM card installed in the test mobile can thus be executed using the remote SIM card. This enables the user to perform roaming tests according to IREG specifications (insofar as permitted by the test capabilities of LTS or LTS-F, respectively).

| SIM Server Requirements.

The SIM Server feature requires a WAN connection between the remote equipment units and the SIM server. This connection may in the future be supplemented with options to use GSM data calls and/or GPRS IP connections, combining the flexibility of remote SIM testing with the location independence of test probes.

The SIM Server provides a minimum of 32 smart card slots in one board, scalable up to 7 boards totalling 224 slots within one rack. Several racks can be cascaded straightforwardly in order to further increase the SIM card capacity. The SIM server also supports USIM cards for UMTS.
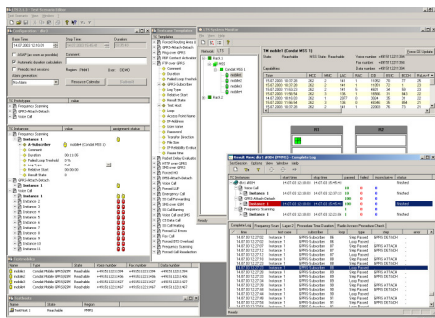

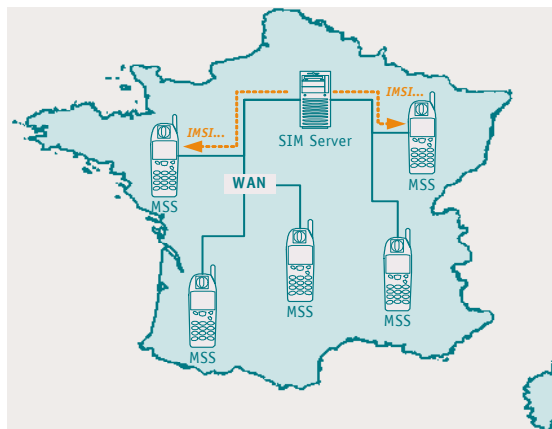Figure 2: Scenario Editor Window

The SIM Server operations can easily be integrated into the configuration of test scenarios, e.g. roaming or prepaid card testing.

The SIM card will be just another test resource, assigned to a resource parameter of a test case via drag-&-drop in the Scenario Editor. All applicable test cases will be extended with this parameter for each mobile subscriber.

| Features

- boosts roaming testing
- reduces cost through centralized SIM card management
- fully integrated with LTS & LTS-F
- handles 32..224+ SIM Cards
- supports SIM & USIM cards
- stable and reliable

| Contact

Qosmotec Software Solutions GmbH
Schloss Rahe Str. 3
52072 Aachen

Web : www.qosmotec.com
Email: info@qosmotec.com

T +49 (0)241 8797-510
F +49 (0)241 8797-515