

Improve your IN/CAMEL test strategy!



CAMEL is the keyword for intelligent service roaming within GSM, GPRS and UMTS networks.

For the differentiation of mobile market competitors the IN services play a major role. Above all, the customers demand a roaming capability that functions exactly as it would in the home environment. With most networks having a majority of Prepaid customers, and the special billing requirements and checks that must be made by the home network, the testing of CAMEL is an essential requirement for the mobile operator.

Keynote SIGOS offers you a fully automated IN/CAMEL test system for

- ▶ preparing your own network for Camel roaming requirements
- ▶ End-to-End testing with real roaming partners
- ▶ preparing your IN platform (SSP, SCP)

Your benefits

- | | |
|--|--|
| <ul style="list-style-type: none"> ▶ Reduction of testing effort for IN/CAMEL tests ▶ Preparation of the own network components for inbound and outbound roaming (SCP and SSP with high quality) ▶ Simulation of the complete foreign PLMN at CAP, INAP, MAP, ISUP for inbound and outbound roaming | <ul style="list-style-type: none"> ▶ Full test system control for simulation of end-user behaviour at U_m ▶ No real roaming partner's network required ▶ Excluding protocol problems before End-to-End tests ▶ Automated re-execution for regression tests ▶ Fully automated IR.32 tests |
|--|--|

Testing of IN/CAMEL in the UMTS-GSM-ISDN network environment

The introduction of IN or CAMEL based services affects various interfaces of the network. In order to reduce the implementation risks of services, all involved components have to be tested on the related internal interfaces of the network. For this kind of core network protocol tests, the simulation of several components is necessary.

The figure below points out which interfaces and network components should be tested for introducing IN or CAMEL services.

According to the network architecture Keynote SIGOS has developed test scenarios for tests on all relevant interfaces adjacent to the GSM/GPRS/ISDN core networks. These kind of tests allow the vendor or network provider to test either single network components or their own network without any real connection to other networks.

The SITE Test System offers simulation and tests of IN/CAMEL on the interfaces U_u, GSM/GPRS U_m, ISDN S_o, ISDN ISUP, GSM MAP (3), GSM A, GSM G_b, CAP and INAP.

