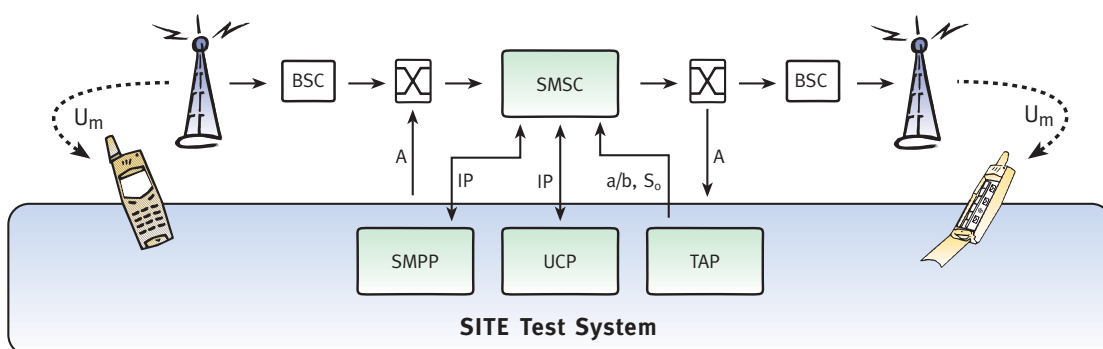**SIGOS**

And what about your SM Service?

SMS is the worldwide killer application for mobile network operators.

This intensive application means an immense increase in turnover for network operators, it also means constant monitoring and improving quality of service.

Regular tests are therefore required to maintain a standard of quality and improve customer satisfaction.

SIGOS offers you a fully automated SMS Test System!

SITE Test System

Features

- Simulation of real subscriber behaviour
- Interfaces: UMTS U_u, GSM/GPRS U_m, GSM A, TAP, SMPP and UCP
- Central SIM Multiplexer: infinite number of SIM cards can be managed
- Protocol test GSM 03.40, MO / MT
- Resource allocation for different users or groups
- Check functionality of SMSC
- Check SM Service functionality at peak times
- Transmission time measurement

SIGOS SITE Basic Testcases

The SMS content is automatically generated or can be entered manually.
The received content is compared with the transmitted content.

MO_MT
Sending and receiving of one SMS.

MO_MT_Multiple
Sending and receiving of multiple SMS.

External_SMS_MT
Receiving of an SMS from any external number.

External_SMS_MO
Sending of an SMS to a selectable external number.

External_SMS_MT_Text_Check
Receiving of an SMS from an external number. The SMS content is checked for keywords. Logical operation with keywords is possible.

Examples of SIGOS SITE SMS TAP and SMPP Testcases

The SMS content is automatically generated or can be entered manually.

Send SMS_External
Sending of a SMS to a selectable external number via TAP.

Send SMS_BC
Sending of an SMS to two different selectable external numbers via TAP. The both B-side mobiles receive the SMS.

Send SMS_NoB
Sending of an SMS to a selectable external number via TAP. The B-side mobile is not registered. After registering the B-side receives the SMS.

Send Scheduled SMS_B
Sending of a deferred SMS to a selectable external number via TAP. The B-side receives the SMS at the delayed time.

Send valid SMS_NoB
Sending of an SMS with defined expiry time to a selectable external number via TAP. The B-side mobile is not registered. The B-side registers after expiration and does not receive the SMS.

Send more Blocks SMS_External
Sending of an SMS consisting of three blocks to a selectable external number via TAP. The B-side receives the SMS blocks.

Send SMS_B
Sending of an SMS to a selectable external number via TAP.

Change SMS_B
Sending of a deferred SMS to a selectable external number via TAP. Changing of content of the not yet delivered SMS. B-side receives SMS with modified content.

Change Scheduled SMS_B
Sending of a deferred SMS to a selectable external number via TAP. Changing of delivery time. B-side receives SMS at the modified delivery time.

Delete SMS_B
Sending of a deferred SMS to a selectable external number via TAP. Deleting of the not yet delivered SMS. B-side waits to receive SMS till end of validation time.

Your benefits

▸ Automated testing: avoid time and money consuming manual tests

▸ Increase reliability of the GSM and UMTS networks → ARPU

▸ Increase customer satisfaction

▸ SQM: monitoring and measuring of service availability and quality → Ensuring SLAs with precise KPIs

▸ Scalable architecture: from stand alone to widely distributed systems

▸ Central SIM Multiplexing → No "SIM card traveling"

▸ Quick detection of problems due to parallel testing at any time