Money makes the world go round –
what happens if network operators cannot charge their invoices or if invoices are even wrong?

Revenue Assurance plays an important role for network operators, on the one hand, to keep a high image and to avoid discontented customers, on the other hand, to avoid significant losses and to comply with legal regulations.

How to guarantee correct invoices?

To assure correct charging, Revenue Assurance systems are essential. Scenarios, however, where frustrated employees have to test billing systems manually are now a matter of the past.

SIGOS offers you a fully automated Revenue Assurance System!

Features

- Simulation of real subscriber behaviour
- Interfaces: GMS/GPRS U_m, UMTS U_u, ISDN S_o, GSM A, ISUP, INAP
- Scalable architecture: from stand-alone system to widely distributed system
- Central SIM Multiplexer: infinite number of SIM cards can be managed
- Resource allocation for different users or groups

- CDR generation
- CDR comparison
- Rating and billing verification
- Test of different scenarios, time and tariff limits
- Detailed test reports
- Revenue stream audit
- Covering billing aspects of outbound roaming

SITE CDR comparison

SITE generates and compares:
▶ Time based calls: e.g. speech
▶ Volume based calls: e.g. GPRS-data
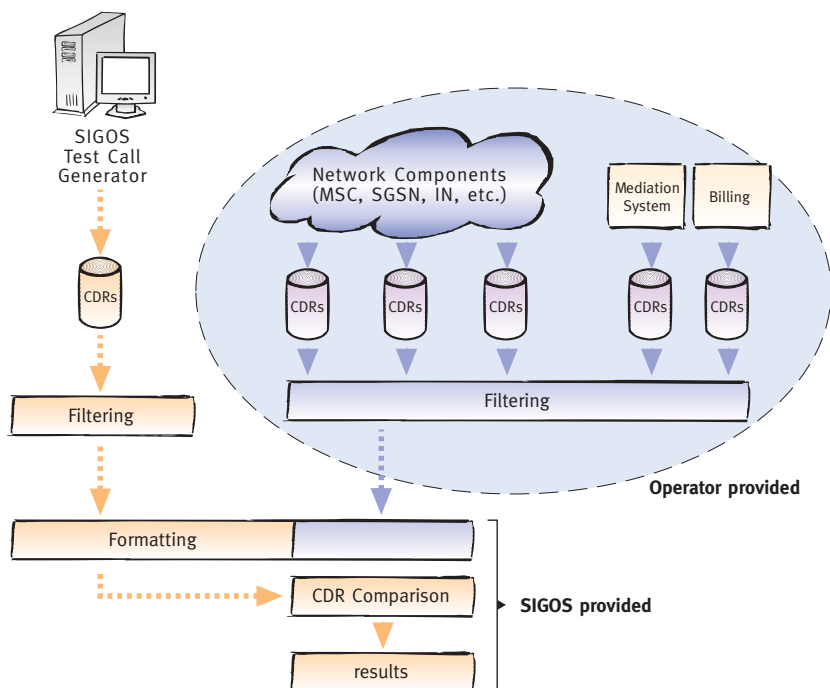▶ Event based calls: e.g. SMS

Output data:

Time based Calls

▶ A Number
▶ B Number
▶ Call Type

▶ Begin of call for both files
▶ Difference of begin of call
▶ Call duration for both files
▶ Difference of call duration

Volume based Calls

▶ A Number
▶ B Number
▶ Call Type

▶ Begin of call for both files
▶ Difference of begin of call
▶ Data Volume for both files
▶ Difference of data volume

Event based Calls

▶ A Number
▶ B Number
▶ Call Type

▶ Time stamp from both files

SIGOS
Test Call
Generator

CDRs

Network Components
(MSC, SGSN, IN, etc.)

Mediation System

Billing

CDRs CDRs CDRs CDRs CDRs

Filtering

Filtering

Operator provided

Formatting

CDR Comparison

SIGOS provided

results

As well as further tools for rating and billing verification.

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