

REVENUE ASSURANCE

MEASUREMENT OF TRAFFIC VOLUME AND REVENUES

Validation of operator call volumes and revenues is critical for charging correct taxation and telecom levies. Operators may under-declare traffic volumes and thus revenues to the state. Often, National Regulatory Authorities (NRAs) rely solely on the operators' declarations without knowing whether the figures are accurate or not. Significant financial losses can arise.

SGS Layer4 services include an **Airtime Revenue Monitoring System (ARMS)** giving the authorities the capability to independently verify and control the airtime sold directly by the operators.

The system captures and accounts for all actual revenues generated by top-up cards, post-paid accounts and roaming services. The system includes three innovative features:

- Data Acquisition - Real-time information collected through ARMS servers at the operators' sites
- Processing - Data is analysed and cross-checked
- Reporting Layer – Comprehensive reports highlighting irregularities

With the accuracy of measurement provided by ARMS, regulatory authorities have the peace of mind that revenues are being optimised

MEASUREMENT OF MOBILE MONEY TRANSACTIONS

In many countries, monitoring of Money Mobile transactions has been deployed without the necessary regulatory framework or controls. This poses risks of financial instability and money-laundering.

SGS Layer4 provides complete visibility of the Mobile Money transactions to the NRAs and to the other governmental stakeholders (Central Bank or Revenues Authorities).

The solution comprises a software platform that monitors Mobile Money transactions giving legitimate authorities and banks visibility of the top-up and mobile money transaction on different networks in real time. Illegal transactions are identified and notified quickly to ensure financial losses are avoided.

ANTI-FRAUD SERVICES

Increasingly, legitimate telecoms operators are at risk of lost revenues resulting from By-Pass Fraud where calls can be routed illegally down grey networks, out of operators' visibility. Consequently, operators lose revenues from calls which bypass their gateways and call quality can be poor due to the utilisation of sub-standard networks.

SGS Layer4 counters this problem with **'Telecop'** which generates thousands of calls a day from more than 57 countries to test all the routes utilised (international carriers, calling-cards, etc.)

Telecop performs Automatic Number Identification-Calling Line Identification (ANI/CLI) using client software installed at the regulatory authority's data centre and analyses the call data in real time. This reveals the SIM cards being used by illegal operators for routing international calls as local calls.

Supported by our **Simbox** tracker system, Telecop traces the fraud and provides the local police with the geographical location of the illegal by-pass operators.



WHEN YOU NEED TO BE SURE

SGS