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**INFORMATION**

GLOBUS Information System is a centralized system collecting and processing statistical data from the network equipment. IS GLOBUS was chosen by VimpelCom in 2005 (it was developed by GISware Integro Company being VimpelCom's partner since 2002) after a complex comparison study of competitive Performance Management systems available at the market.

IS GLOBUS was designed to match the VimpelCom requirements and was successfully rolled out in 2006. Main goals for this deployment were to reduce the operational costs and to increase the network operations and services quality.

During first 2-3 years, the System allowed:

- to enable 24/7 monitoring of the quality of services provided and network elements performance;
- to significantly reduce VimpelCom engineers' labor costs for KPI calculation, root cause analysis (RCA) of problems, network planning and reports generation;
- to shorten RCA 3-5 times;
- to guarantee control after Service Level Agreements with transit operators;
- to guarantee the continuous networks quality monitoring after equipment swap, installation and reconfiguration;
- to implement monitoring of network growth trends and equipment utilization on a regular basis;
- to rapidly generate ad-hock status reports for network in general and its individual elements.

In 5 years since 2006 a lot of new features were introduced into IS GLOBUS, such as calculation of multi-vendor KPIs, data collection from telecommunication, transport equipment and VAS platforms, integration to umbrella alarms monitoring system, inventory and radio planning system, etc.

By now IS GLOBUS collects statistics and configuration data:

- for more than 40 types of network objects (MSC, HLR, MGW, SMS-C, BSS 2G/3G, GPRS Core, RTBS, VoiceMail, IP/MPLS, RRL, and others);
- which come from different equipment vendors (ALCATEL, CHECKPOINT, CISCO, COMVERSE, ERICSSON, HUAWEI, NOKIA, SIEMENS, etc.);
- from 190 sources using 11 protocols;
- in total, more than 80Gb data per day (250mln rows), which exceeds the initially designed System capacity tenfold.

The data stored in about 3000 database tables occupy approximately 4300Gb.

More than 1000 users have access to continuously incoming data 24/7, including to more than 30000 of KPI/KQI (at many levels of aggregation), 16000 of which are calculated in real-time.

IS GLOBUS meets the needs of VimpelCom's central and regional departments:

- network monitoring and operation center (NOC);
- network planning and optimization department;
- quality and marketing services;
- the headquarters.