Scalable Intensive Test Tool

An easy to use GSM/GPRS and UMTS Packet Switched Traffic Load Generator.

Our Scalable Intensive Test Tool (SITT) provides you with an easy-to-use, portable and cost effective traffic load generator.

Using SITT will ensure:
- A high quality integration and verification of a packet switched core network or network elements through SITT's use of a dynamic traffic model implementation;
- An easy way to verify the actual capacity and stability of the network or network element through SITT's linear scalability;
- All integration and verification tests can be performed with a realistic background traffic load similar to that of the real network (operator's traffic model).

Users
- Mobile operators offering packet switched services related to their GSM/GPRS and/or UMTS network.
- Network equipment providers developing and supplying core packet switched network elements for GSM/GPRS and/or UMTS networks. Current customers include both global mobile operators and network equipment providers.

Product Description
SITT is a GSM/GPRS/UMTS core packet switched traffic load generator that will provide normal traffic procedures according to any given traffic model.

SITT can be used for:
- Background Traffic Generation while using other equipment (like real mobiles) for specific service tests in parallel;
- Load and Stability tests ensuring that a certain network element or part of your network is able to run stably with a high load over a long period of time;
- Capacity Testing ensuring that a certain version of a network element or part of your network fulfils the required capacity needs;
- Performance Benchmarking of packet based core network products through real and unbiased measurements based on any given traffic model.
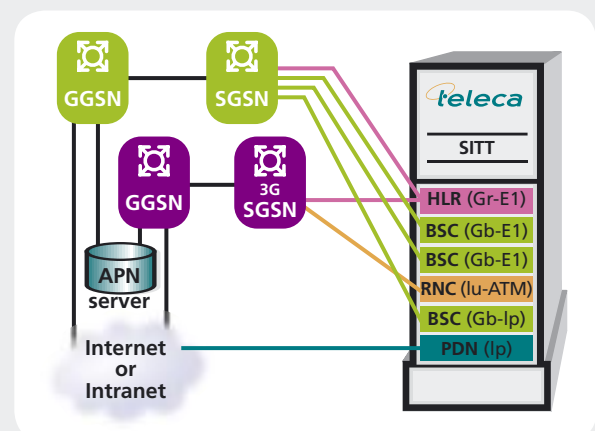
Teleca is an international telecom and IT services company focused on R&D that develops and integrates advanced software and information technology solutions. With in-depth expertise in the latest technology and profound industrial knowledge, Teleca helps technology- and software-intensive customers worldwide to strengthen their market positions and shorten their times to market. The company has more than 3,000 employees and operations in 15 countries in Asia, Europe and North America. Teleca is quoted on the Attract40 list of the Stockholm Stock Exchange.

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SITT is:
- Scalable to any size, supporting X*100.000 Simultaneously Attached Users (SAUs);
- A portable tool, easy to setup onsite;
- Easy to use, no test scripting is needed;
- Easy to extract and view statistics from;
- Providing online results in near real-time;
- Controllable remotely;
- Simulating the following interfaces;
  Gr (narrowband)
  Gb (frame relay)
  Iu (Iu-c over ATM, Iu-u over ATM or Ethernet)
  Gb over IP
- Having a PDN packet reflector;
- Supporting both GSM/GPRS and UMTS in the same unit;
- Supporting a step less transition between GSM/GPRS and UMTS;
- Based on standard off-the-shelf PC hardware, supplemented with PCI cards;
- Using an industry standard OS.

When purchasing SITT, Teleca will offer product support agreements. Since SITT has remote access capabilities our experts can help or trouble shoot remotely. SITT can be used when an operator takes on a new packet based core network upgrade or when a network equipment provider is performing system verification as part of the product development cycle.

Why choose SITT from Teleca
Teleca has unique expertise and competence within packet based networks for GSM/GPRS, EDGE and UMTS, working with both major network equipment providers (since the mid 1990s) and global mobile operators.

It is our experience that in order to perform a high quality system integration and verification as close to normal network conditions as possible, a traffic load generator is needed. This enables the generation of background traffic load, i.e. simulation of normal user behaviour according to an operators traffic model, while performing other service tests. It is under such conditions that potential faults are found.

SITT has been based on specific requirements from a global mobile operator group and our own experiences from performing a number of successful network upgrade projects for mobile operators having a multi-vendor environment. SITT has been developed by the same engineers that have developed GPRS support nodes since the mid 1990s.

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