Enabling cost savings and global reach

The STP/ITP and Signaling Gateway enables routing of signaling messages between all combinations of SS7 and IP based nodes via E1 and SIGTRAN.

Players in the ICT Industry can use the STP/ITP and Signaling Gateway for bridging between the SS7 based mobile industry and the players using the internet as network.

This enables re-vitalisation of legacy systems with only E1/TDM interfaces which leads to cost savings. Also it enables offering of global signaling based services from a central platform.
Signaling transfer between the players in the ICT industry

The STP/ITP and Signaling Gateway enables transfer of signaling messages between the mobile and the internet based part of the ICT industry.

Signaling is used in the SS7 based mobile network to control communications. If one party makes a phone call, sends an SMS, or has a USSD transaction with another party this is what the signaling does: finding out where the mobile phone of the other party is located, establishing of the end-to-end connection and transferring of the SMS or USSD transaction. Signaling works via interaction with the SS7 network elements like HLR and MSC.

Signaling access to the global SS7 network gives access to information about the mobile users that can be used in Value Added Services. Also it enables cost savings for the internet based part of the ICT industry.

Players in the mobile based part of the ICT industry (MNO, MVNO, MVNE and SS7 signaling providers) can use the STP/ITP and Signaling Gateway as a network element with STP/ITP functionalities and as a gateway to the internet based part of the industry. As a network element the STP/ITP and Signaling Gateway can be used to re-vitalise legacy systems with E1 interfaces. The gateway functionality enables new revenue streams by giving the internet based part of the industry access to mobile users.

Aggregators can use the STP/ITP and Signaling Gateway to offer transfer of signaling messages over the internet and as a gateway for the E1 based network.

Platform providers and Value Added Services Providers can use the STP/ITP and Signaling Gateway as an element of a VAS platform. E.g. it can be used to provide E1 access to the IP based applications.

Service providers can use the STP/ITP and Signaling Gateway to offer global services from a central platform. E.g. a USSD Center and service platform can be located anywhere in the world. If the operators do not support SIGTRAN they can deploy a SIGTRAN GW in their data center. This enables service provision over the internet via SIGTRAN.
Routing of all combinations of SIGTRAN and E1

As illustrated the STP/ITP and Signaling Gateway enables transfer of signaling messages between SS7 based nodes IP based notes and between SS7 and IP based nodes.

The STP/ITP and Signaling Gateway supports STP/ITP functionalities like transfer of signaling messages between all combinations of E1 and SIGTRAN and routing between the linksets and associations.

The configuration of the interfaces and the day-to-day operations are managed via a web based administration interface.

Features

- Scalable from 4 to 128 SS7 signaling links. One signaling link has a capacity of one time slot which equals 64 Kbits/sec.
- Web based interface for configuration of linksets and associations, routing and monitoring of system.
- Routing of signaling messages between all combinations of nodes: SS7 based based nodes, IP based notes, and between SS7 and IP based nodes.
- Supported SS7 protocols: MTP 2-3, SCCP, TCAP, MAP, M3UA
- Bridging of E1 voice time slots
Advanced and targeted offering at competitive prices
We have our own protocol stacks and a highly qualified team with a passion for the software. This enables us to offer advanced products and services at competitive prices, and to adapt the offering to individual needs. This ensures that all our customers get a good start with and continued benefit from our software.

Getting started
We can deliver a software solution only or a plug and play solution with hardware. In order to ensure a good start we include standard deployment support in the operation license of the software. For customers who are new to the SS7 world or who want a kick start with our software we offer on site services covering installation, configuration and training. This ensures a good start for all customers.

Continued benefit
In order to ensure full functionality of the software over time we have a mandatory annual support agreement. This covers remote issue tracking, product updates and limited support in the usage of the software. For customers with special needs we offer customizations and development of the software as well as professional services. This ensures continued benefit from the software for all customers.

Commercial sense
Our efficient operations enable us to offer our products and services at competitive prices. Pricing of our products is based on capacity and add ons. So the customer pays for what he gets. The software is offered via a one off model with an annual support fee, a subscription model with quarterly instalments, and via a revenue share model. This ensures that our commercial conditions make sense for all customers.

Direct dialogue
Do not hesitate to contact us for a dialogue about how we can satisfy your specific needs.

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