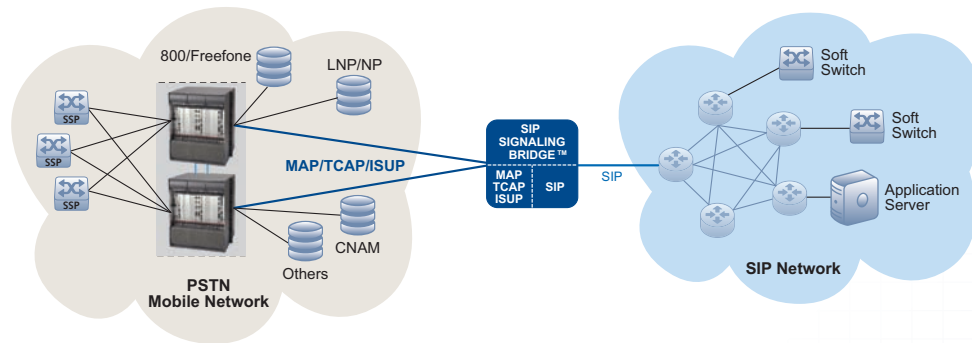


SIP Signaling Bridge™ SOLUTION SHEET

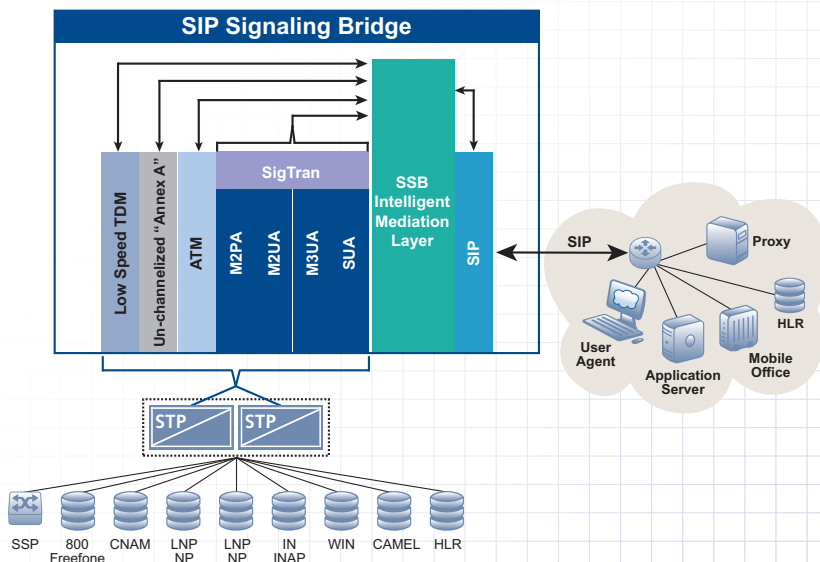
for SEGway™ Signaling Systems

PT's SIP Signaling Bridge™ (SSB) solution is a new SEGway™ feature that provides network operators the ability to offer ubiquitous services across disparate hybrid networks. The telecommunications networks are evolving from legacy, circuit switched, TDM SS7 based concepts to the new, more cost effective, packet switched, technologies utilizing Session Initiation Protocol (SIP). It has become an ever increasing problem to offer subscribers in the legacy, SS7 based, network or the SIP network features developed and implemented with other network technology.



The SIP Signaling Bridge provides a mediation process enabling the implementation of revenue generating features within multi-technology networks. This capability protects the investment in legacy service delivery platforms and facilitates the migration to Next Generation Networks. The bi-directional design of the SIP Signaling Bridge ensures services, designed in either the legacy network or NGN, can be offered to any subscriber independent of network topology.

The SIP Signaling Bridges' powerful rules based application built on PT's carrier grade Linux® (NexusWare®) operating system can be deployed as a stand-alone element or fully integrated on the SEGway X301 or X401 platform.



BENEFITS

- Flexible Configurations
- Network-Proven Solutions
- World-Class 24x7 Support
- Carrier-Grade Product Offering

Signaling Gateway SOLUTION SHEET

for SEGway™ Signaling Systems

Session Initiation Protocol Network to Legacy Network

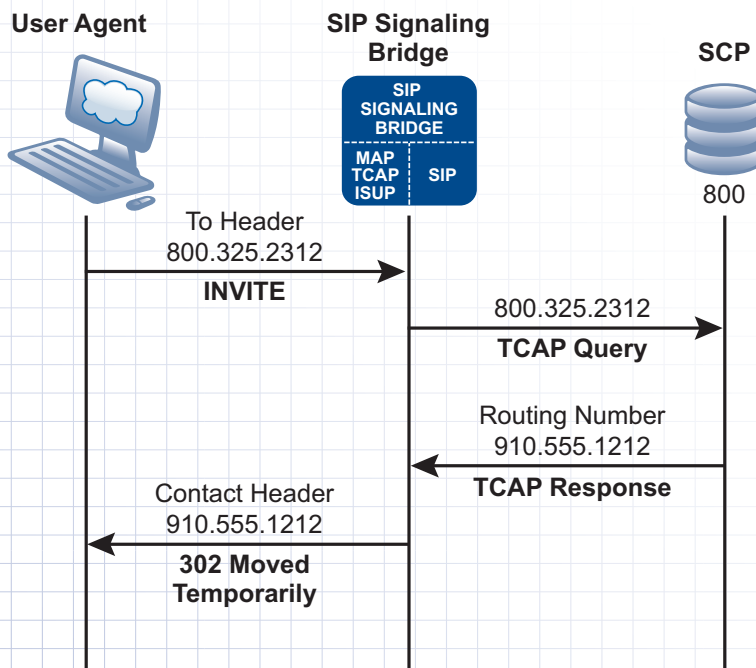
SIP messages are received by the SIP Signaling Bridge™ – the appropriate information is extracted and formulated into an equivalent SS7 ISUP or TCAP message. These newly formulated messages are then routed to the correct node (database or application) within the SS7 network. Upon receipt of a response from the SIP node – the SIP Signaling Bridge (SSB) extracts required information and constructs and addresses a message for transmission in the SIP network. This mediation capability allows network operators to provide legacy services such as Freefone, Number Portability, Calling Name etc. to subscribers within the SIP network without having to replicate databases, service delivery platforms or use the more expensive gateway softswitches in the SIP network.

Legacy Network to Session Initiation Protocol Network

SS7 messages (ISUP, TCAP, MAP etc.) are received by the SIP Signaling Bridge™ then appropriate information is extracted and formulated into an equivalent SIP message. These newly formulated messages are then routed to the correct node (Softswitch, Proxy, Redirect Server or application server) within the SIP network. Upon receipt of a response from the SIP Node SIP Signaling Bridge (SSB) extracts required information and constructs and addresses a message for transmission in the SS7 network. This mediation capability allows network operators to provide new features and services deployed in the SIP network to subscribers served by legacy switches and network topologies.

ORDERING INFORMATION

To discuss specific requirements and/or pricing, contact sales@pt.com.



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