Signaling Connection Control Part (SCCP)
On the world’s largest signaling network

Addressing Your Growing Needs

Intercarrier signaling traffic has experienced exponential advancement as a result of the rapid growth of mobile subscribers and their increased propensity to call, message and roam.

Tata Communications Signaling Connection Control Part (SCCP) is a reliable, secure and full-featured intercarrier signaling transport service that meets the needs of today’s mobile operators. The service is designed for ITU and ANSI wireless operators who wish to benefit from our far-reaching signaling network. Our footprint extends across the Americas, Asia and Europe, enabling roaming and SMS signaling traffic transport.

SCCP provides transport and Global Title Translation (GTT) based on either ITU E.164 and E.214 or ANSI E.164 and E.212 numbering plan formats. The signaling is specific to roamers and subscribers sending internetwork Short Message Service (SMS) messages.

Direct Accessibility

Our SCCP service is available to all GSM and iDEN™ operators. The service can be used alone or with our Wireless Global Roaming Service for ITU/ANSI conversion, allowing direct, seamless connectivity to and from North America.

Key Benefits

- Access to more than 630 mobile networks spanning 200 countries
- Proven, reliable service from a carrier’s carrier
- Advanced traffic reports and statistics
- Reliable traffic growth capabilities to ensure higher customer satisfaction
- Number portability support for USA, Canada, Hong Kong
- Directly connect without intervening carrier, STP or other signaling nodes

Reach farther through our global network, extending across the Americas, Asia and Europe

The Tata Communications Advantage

- More than 50 years of experience
- Low risk
- Ready to use
- Carrier-grade quality and reliability
Signaling Connection Control Part

Global SS7 Network

- Relies on a “mated pair” of STPs connected to our international and national signaling networks
- Edge devices for link aggregation and protocol conversion
- SIGTRAN connectivity for high-volume traffic with better cost efficiency

SCCP may be used in conjunction with other Tata Communications roaming services.

- Wireless Global Roaming with ITU/ANSI Conversion to/from North America
- IR.73 compliant Steering of Roaming for optimal roaming experience and/or cost containment of key roaming destinations
- International SMS connectivity for a dynamic separation of SMS hub and traditional bilateral traffic
- Short message support for GSM-CDMA conversion for North America

Service Qualifications

- Customized interconnection solutions such as IPL to a regional PoP, IPL directly to the STP or SIGTRAN (SS7 over IP)
- Efficient system provisioning to accommodate your new roaming agreements
- Supported filtering based on message type
- Active GSM Association participant and contributor

Signaling Monitoring and Reporting Tool (SMART)

- MSU and Opcode reporting by origin/destination
- SMS reporting with fraud-detection tools (fake, spoof, spam)
- Reports accessible online or via email
- Direct connection to the CustomerZone Web portal
- Automatic report generation and emailing of reports in Excel-ready files

Key Features

- Robust global network
- Extensive SS7 network with large available capacity
- Secure, redundant STP pairs deployed in North America, Europe and Asia to ensure high availability and support load balancing
- Market leading reliability
- Proven track record of service availability
- Billing customization
  - Transparent billing based on exchanged volumes
  - Flexible billing options including currency choice (USD, Euro)
  - 24x7 monitoring by dedicated technical specialists
- Experienced partnership with a non-competitive supplier dedicated to your needs

For more information on Signaling Connection Control Part, please visit:
www.tatacommunications.com/contact