



mosaic

“BICS’ unrivalled international portfolio for telecommunication providers. Offering you a dynamic, flexible and innovative set of solutions tailored upon your needs.”

Signalling

Enabling roaming and SMS through an advanced global infrastructure

In today's mobile world, roaming and messaging account for an important part of mobile operators' value proposition. Signalling services provide the connectivity that enables roaming and messaging between a mobile operator and its roaming partners. It ensures continuity of service for mobile users to make and receive mobile calls, as well as to send and receive SMS while they are travelling all around the globe.



BICS Signalling Services, the perfect solution to ensure worldwide roaming and messaging, while enabling value

The Signalling suite of services provides high quality transport and routing functionalities to more than 860 mobile networks based upon the International Signalling Standard no.7 supporting international voice and data roaming agreements, on 2G and 3G GSM technologies:

- BICS' STP Transit provides access to the global Signalling network through a single connection with direct routing and multiple backup routes, detailed reporting and advanced fraud detection systems in line with the latest ITU and GSMA recommendations.
- Besides Signalling connectivity, BICS' SCCP Transit includes all administrative tasks required to establish bilateral roaming relations such as the exchange of routing information within the Signalling community and the management of a worldwide numbering plan.

BICS' Signalling Services provide access to ANSI mobile networks through a conversion solution offered within the standard BICS commercial agreement. They are fully integrated with SMS Transit, OC Roaming and Instant Roaming for a seamless global roaming and messaging coverage in addition to bilateral roaming agreements. Signalling Value-Added Services such as SMS Firewall, Steering of Roaming, GLR, Call Correction, Short Codes and Welcome SMS complete the BICS' suite of Signalling services, and enable operators to focus on increasing and protecting roaming revenues.



STP/SCCP Service



Signalling over IP



Conversion Service



Origin Based Routing



Advanced Reporting



Signalling VAS



Product features

- **Fully-owned infrastructure:** a five "9s" availability architecture based on clustered pairs of Signalling switches in four separate geographical locations relying on BICS' extensive transmission network.
- **Standards compliancy:** in full compliance with ITU-T White Book MTP/SCCP Recommendations (Q700 to Q708 & Q711 to Q716).
- **Interstandard access:** access to any ASNI GSM destination through a single technical and commercial interface.
- **Advanced routing:** enhanced control of Signalling streams with origin and destination-based routing at MTP and SCCP level.
- **Security:** powerful filtering capabilities including SMS blocking at MTP, SCCP, Calling Party Address, Called Party Address and SSN.
- **Full visibility and advanced reporting:** advanced monitoring on all data links with MTP, SCCP and MAP decoding with state-of-the-art web reporting capabilities including a detailed view on traffic and MAP signalling per origin and destination at country and network level for MTP and SCCP traffic.
- **QoS reporting:** an extensive Quality of Service reporting with detailed views on availability, load and congestion at Point Code, Data Link and Linkset levels.
- **Online Election tool:** the industry's first fully automated election tool for smooth and fast implementation of Signalling relations.
- **Value Added Services:** SMS Firewall, Steering of Roaming, Border Roaming, Welcome SMS, Gateway Location Register, Leakage Identifier, Call Correction and Short Codes.

Why choose BICS for Signalling Services?

BICS aims to meet the current and emerging requirements of mobile operators worldwide, with a focus on their specific needs. Choose to partner with the largest Signalling provider that has strived to earn your business by continuously adapting its operations, assigning you its in-house experts and delivering world class services:

- Increased performance and reliability using high-quality direct routing for 95% of the destinations
- End-to-end service control on 260+ on-net destinations directly connected to BICS' Signalling infrastructure
- Seamless access to BICS' SMS Transit, SMS Firewall, OC Roaming, Instant Roaming, Steering of Roaming, Border Roaming, Welcome SMS, Gateway Location Register, Leakage Identifier, Call Correction and Short Codes
- Pro-active maintenance and intervention through a state-of-the-art Signalling monitoring infrastructure
- Valued and advanced online reporting and destination election

BICS delivers best in class global solutions for Voice, Messaging, Roaming, Connectivity and Mobile Financial Services to hundreds of telecommunication providers around the world. With our passionate and creative teams located in Brussels, Bern, Monaco, Dubai, Singapore and New York, we continuously strive to provide our customers with the highest levels of quality, reliability and interoperability that enable them to maximise End-user value. Our innovative approach is visible through our place at the forefront of the market consolidation and technology advancement. We are a joint venture of Belgacom, Swisscom and MTN, and have rolled out transformative Next Generation Networks (NGN). This together with our continued focus on Value Added Services for Mobile Operators and our growth strategy has enabled us to reach a world-leading position both on the International Voice and Mobile Data markets.

For more information, please visit www.bics.com

