



Signaling for International Roaming.

Services International Carrier Sales & Solutions (ICSS)

Life is for sharing.



Signaling for International Roaming.

Using their mobile phone while abroad has become one of the basic requirements of your customers. In addition, the need for international connectivity still rises, becoming an increasingly substantial share of your revenues. Providing these international mobile services to your end users can only be achieved via sound, reliable international signaling capacities. And that's where we come together.

Offer your customers world wide mobile services.

Add international mobile services to your portfolio without dealing with the hassle of running your international signaling network! Are you seeking options to outsource your signaling services due to cost reasons? Or you don't have international signaling capacities yet but want to offer worldwide voice and data services? Deutsche Telekom ICSS offers you a high-quality, low-cost solution to cater to all your signaling for international roaming needs.

Deutsche Telekom's Signaling for International Roaming solution.

Deutsche Telekom ICSS's service allows the real-time transport and delivery of signaling messages through the Deutsche Telekom network. This service enables you to connect to other mobile operators or the facilities of value-added service providers. Using Deutsche Telekom's entire SS7 network, the traffic is carried over clear channels, hence avoiding any loss or deterioration in quality. Deutsche Telekom's SS7 network provides you with access to:

- over 620 mobile network operators (MNO)
- in more than 200 countries

ITU-ANSI Converter: a one-stop-shopping solution for your international roaming needs.

Rely on Deutsche Telekom ICSS for your international signaling needs, no matter which network you use! Thanks to the ITU-ANSI Converter, a signaling transmission service for international roaming between Europe and North America, Deutsche Telekom becomes your one-stop-shopping provider of seamless roaming services on five continents.

Access to the service.

Interconnection with Deutsche Telekom's network is established through:

- Traditional bilateral network
- International private leased line
- Local access to the PoPs of the Deutsche Telekom ICSS network

Why should you choose Deutsche Telekom's Signaling for International Roaming solution?

Focus on your high revenue-generating mobile services while we take care of your signaling for international roaming expectations. Deutsche Telekom's Signaling for International Roaming service is an easy-to-use, hassle-free and reliable solution which helps you focus on what matters to you most: your core mobile business. Benefits of Deutsche Telekom's solution include:

- **High quality of service through a wealth of experience:** Trust the long-track record of Deutsche Telekom, which has been providing the world leading carriers with signaling services for the last 10 years. Benefit from this experience in combination with Deutsche Telekom's wide-spread international network infrastructure, its fully redundant and highly reliable SS7 network, and the fast and easy configuration process of your international roaming service.

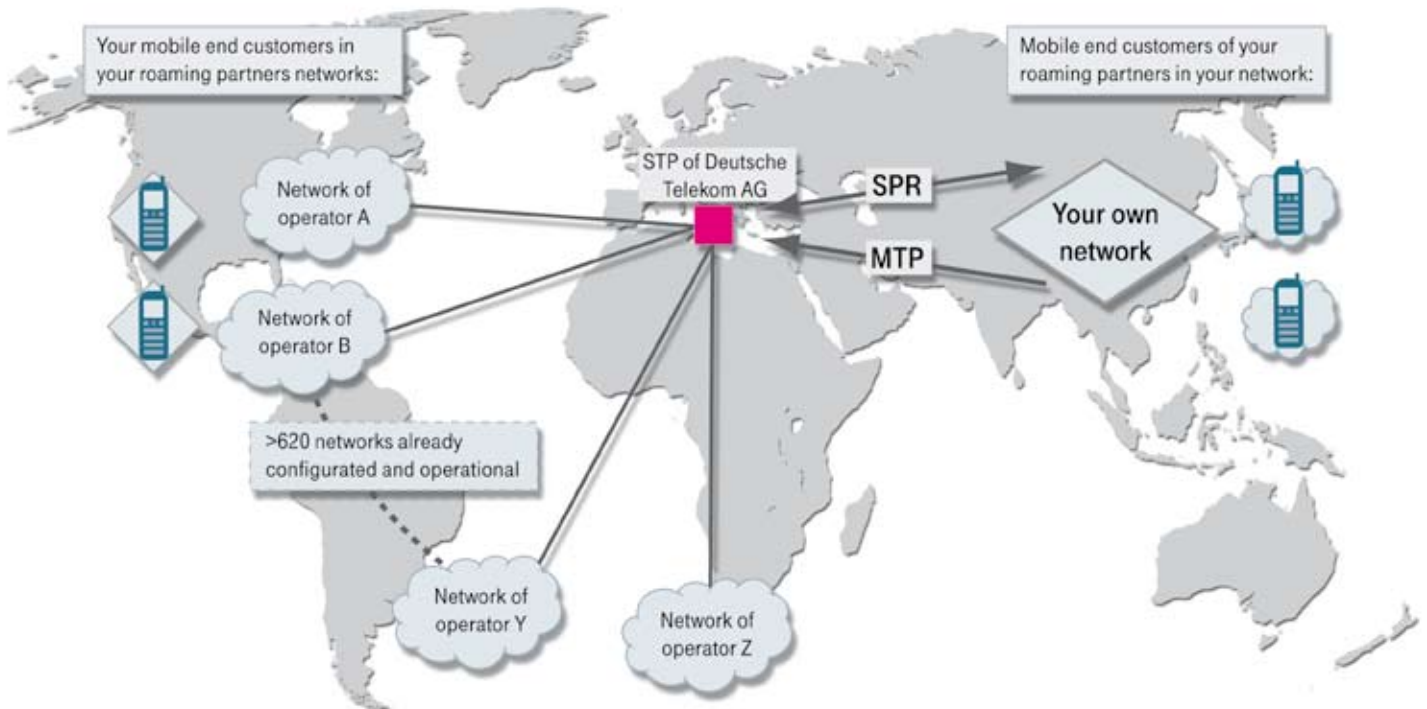
Choose what best fits your needs: MTP or SPR services

Deutsche Telekom ICSS offers you two signaling solutions: a basic signaling service, called Message Transfer Part (MTP), and a comprehensive solution, called Signaling Point Relay (SPR). Features of these services are:

	MTP signaling service (transit service)	SPR signaling service (full service)
Communication protocol	Layer-3-transit via the MTP protocol	Layer-4-transit via the Signaling Connection Control Part (SCCP) protocol
Signaling messages	Outgoing messages always through the Deutsche Telekom network, incoming depending on partner (one-way)	Incoming and outgoing signaling messages always through the Deutsche Telekom network (two-way)
Service / Support	24-hour trouble shooting	24-hour end-to-end trouble shooting
ITU ← → ANSI converter	Optional	Included
Specials included		Global Title Translation (GTT) Full network management (e.g. planning, implementation, and monitoring of routes)

Both services are compatible with e.g. GSM 900, 1800, and 1900 networks. They support SMS transmission and mobile number portability.

The signaling mobile roaming choice with Deutsche Telekom



- **A one-stop-shopping service** for your signaling and signaling conversion needs, one single point of contact and one bill via Deutsche Telekom, while you have access to a wide range of worldwide operators, including those operating with the ANSI standards.
- **Extended coverage:** Make the most of Deutsche Telekom's international footprint and stable relationships with long-lasting partners. Deutsche Telekom lets you have access to over 620 operators.
- **Significant cost savings:** Rely on Deutsche Telekom's high-quality international SS7 network and technical know-how, and limit your investment in time, personnel, and financial resources. Using the Signaling for International Roaming solution of Deutsche Telekom ICSS will help you to boost your EBITDA per user abroad.
- **Extensive support and maintenance service through one single point of contact:** Signaling maintenance and handling, SS7 re-routing and proactive management, and high-level support for SS7 related topics and network matters are all taken care of by Deutsche Telekom's dedicated technical experts.

About Deutsche Telekom ICSS.

ICSS, the international wholesale arm of Deutsche Telekom Group, is one of the biggest voice carriers worldwide and an increasingly important IP player across a growing European market with excellent interregional connections between Europe, the Americas and Asia. With continuously changing markets, ICSS has redesigned its portfolio from traditional voice and transport services to advanced innovative wholesale services and customized IP solutions. The business activities and efforts of ICSS focus on serving the following market segments: broadband operators (ISPs, WISPs, and VoIP SPs), mobile operators and MVNOs, content, application and media providers, corporate service providers and VNOs, fixed voice carriers, and carriers' carriers and their customers through a worldwide sales network. The basis for the delivery of the services of ICSS is an expanding ultramodern infrastructure – Deutsche Telekom's international network.

For further information, see
www.deutschetelekom.com/icss

Publisher

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