Wireless Global Roaming Service
Ensure that roamers stay seamlessly connected anytime, anywhere

Worldwide Coverage

Mobile Network Operators (MNOs) throughout the world use different numbering plans and signaling standards. This creates a challenge for MNO subscribers roaming to or from North America.

Our Wireless Global Roaming Service addresses this challenge by enabling MNOs (GSM and ESMR) like you to offer your subscribers the option of international roaming to and from North America.

How It Works

The service converts signaling messages based on American National Standards Institute (ANSI) standards, which are used in North America, and International Telecommunications Union (ITU) standards, which are used outside North America.

Our service translates the differing number plans and performs the required signal conversion between SS7 (ANSI) and C7 (ITU) standards seamlessly, so that your subscribers can initiate or receive mobile phone calls and SMS messages while roaming to or from North America.

Strong Credentials

With more than 50 years of experience handling ANSI and ITU standards, we provide a solid base of development and commercialization for this service.

Our signaling conversion platform is connected to our far-reaching network, which is interconnected with more than 630 MNOs (either directly connected to the MNOs or their IGPs) in more than 200 countries worldwide.

The Tata Communications Advantage

- More than 50 years of global experience
- Carrier-grade quality and reliability
- Low risk
- Ready to use
- First solution endorsed by GSMA IREG

Wireless Global Roaming may be used in conjunction with other services.

- Short message support for North American GSM-CDMA conversion
- Managed Roaming Service

Key Benefits

- High margin, on most-of-world, to/from North America roaming revenues
- Quick connection and implementation
- Maximum security for exchanged messages
- Scalable platform and site redundancy
- Detailed traffic monitoring, alerting and reporting
- Fully supported North American Local Number Portability (LNP)
Wireless Global Roaming Service

Key Features

Support of North American LNP
- Enhance QoS termination and service assurance for international messaging

Seamless conversion between ANSI and ITU standards
- Message exchange between mobile networks is transparent

Fully duplicated platform
- Platform redundancy and site redundancy coupled with automatic rerouting capabilities which ensure that customers receive a high level of service

Industry endorsements
- First solution endorsed by the International Roaming Expert Group (IREG) of the GSM Association

Network flexibility
- Signaling interconnection is independent from other services, including ISUP (Integrated Services Digital Network User, the call-control element of SS7). Although we offer several efficient and value-added voice termination options, the network operator can select other ISUP options if desired.

For more information on Wireless Global Roaming Service, please visit:
www.tatacommunications.com/contact