

LTE ROAMING EXCHANGE

The launch of LTE Networks continues rapidly worldwide as mobile operators must address increasing consumer demand for high bandwidth services like multimedia content and applications – anytime, anywhere.



LTE ROAMING

As communications technology continues to evolve, mobile subscribers expect their mobile handsets and mobile networks to be 4G capable. LTE ensures that future bandwidth requirements are met and mobile operators' products and capabilities meet subscriber's future expectations. LTE represents a move to a purely IP based network where Diameter signalling is an essential component for addressing the new market opportunities. Diameter is an authentication, authorization and accounting protocol for LTE networks and also supports mobile management in the all IP network. LTE user transport is provided over IPX networks.

IMPACTS OF LTE

- Changes to Radio & Core Network Architectures
- The introduction of Diameter Signalling
- Increasing focus on IPX

The growth in signalling traffic directly correlates with the sophistication of services and pricing plans in LTE networks. Efficient load balancing is essential to ensure the delivery of all signalling messages – this is particularly important given the high volumes of signalling traffic across the network.

Telenor understand the complex challenges faced by mobile operators in deploying LTE Roaming, as they incorporate the new Diameter signalling protocol. Such challenges include establishing the IP interconnect, the individual configurations required, managing several connections, the range of Diameter signalling protocols and the requirement to maintain a high mobile data network capacity at all times.

BENEFITS OF CONNECTING TO THE TELENOR GLOBAL LTE ROAMING EXCHANGE

- Access to a continuously increasing on-net and off-net LTE network footprint
- Global coverage via a single connection
- Redundant & secure solution
- Visibility of LTE Roaming Signalling performance data and volumes
- Advanced online request management tool
- Fast deployment through Telenor IPX
- Gateway to the Telenor Group
- Extensive experience
- Telenor supports the Global Roaming Quality (GRQ) framework of GSMA



Associate Member

OVERVIEW

- Diameter routing and mediation
- Egress and Ingress Throttling
- Support of all interfaces
- Policy control
- Performance and Monitoring Portal
- Provisioning Portal for requests
- LTE user data transport through Telenor GRX/IPX
- 24/7 Monitoring and Customer Support Centre
- Service Level Agreement (SLA)

ABOUT TELENOR GROUP

- Among the largest mobile operators in the world
- Telecom operations in the Nordic region, Central and Eastern Europe and Asia
- Telenor is a wholesale operator owned by Telenor Group