

SIGNALLING - SCCP GLOBAL SIGNALLING

# One Signal connection to access all

Fast interconnection for  
your roaming from 2G to 5G  
thanks to our global network



## MARKET CONTEXT

The SCCP Global Signalling Service provides access to our SS7/SIGTRAN signalling network, satisfying the interconnection needs of mobile operators and IoT providers in the 2G and 3G environment.

The service handles both roaming signalling messages and international SMS, and allows access to value-added services based on signalling, such as Welcome SMS and Steering of Roaming.

## Wide signalling network compliant with SCCP Carrier features

Worldwide connection with any roaming partners  
and IoT simplifying your signalling relations

- Compliant with international standards, the service includes two main features:
  - SCCP Carrier: adds the components of SCCP routing and Global Title Translation to MTP Transport. This combination enables us to manage the transport and routing on behalf of our customers, as well as open up new international signalling traffic routes.
  - ITU – ANSI Conversion: offers optional ITU/ ANSI functionality, making it possible to reach both ITU and ANSI signalling networks to provide worldwide coverage.
- Our extensive signalling network facilitates the transport of large amounts of traffic through direct signalling links. It ensures high availability and supports load balancing via our scalable architecture, links resilience and site redundancy (America and Europe).
- SCCP Global Signalling provides complete interoperability, regardless of technology or location.

The management of our customers' signalling enable us to provide **value-added** services and cover additional **customer needs**.

Welcome SMS
Home Environment Services
Marketing Campaigns Manager

Business Analytics
Steering of Roaming
Connectivity Hub

## How does SCCP Global Signalling help?

- **Short time to market:** One interconnection and one contract to access multiple international destinations, without the worry of interoperability issues.
- **Cost effective:** Reduced operating costs and minimal upfront investment required.
- **Security:** Deployed on top of our IPX network for additional peace of mind.
- **QoS improvement for users:** Customer roaming experience is the same as at home.
- **Flexibility/scalability:** Service adapted to technological evolution to meet current and future needs.
- **Global capillarity/coverage:** Points of presence all around the world which guarantee the best connectivity.
- **Seamless and ubiquitous:** Complete interoperability amongst networks, regardless of technology or location.

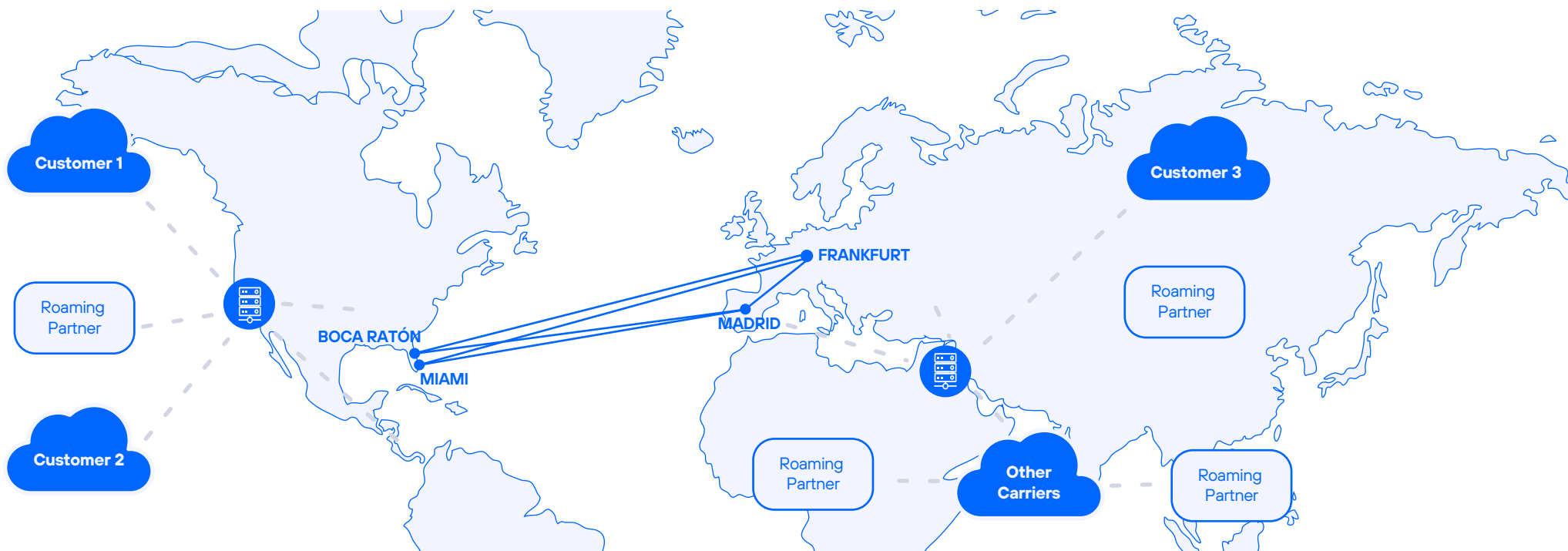
### COVERAGE

The SCCP Global Signalling service offers worldwide coverage to over 1,000 destinations directly delivered via Telefónica Operating Businesses or through multiple peering agreements with Tier-1 carriers.

## Service Architecture

### Our IPX Network

Our LTE Diameter Exchange Service consists of a geo-redundant signalling network with four DRAs:



The service relies on Telefonica's IPX network to provide global connectivity, thus ensuring security.