

## SS7

### Orange, a major player in the wholesale market

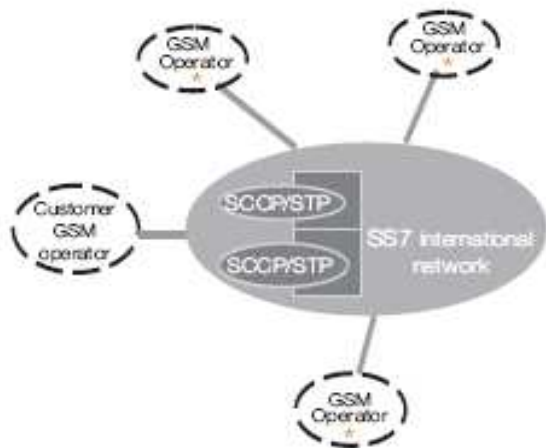
Take advantage of our in-depth knowledge of the industry resulting from our activities on both retail and wholesale markets. Our dedicated wholesale teams on four continents serve 1,000 mobile operators, international carriers, ISPs and content providers worldwide. You can rely on our seamless backbone network spanning 220 countries and benefit from 400,000 km of fibre optic cable under all oceans including dedicated IP routes. We offer direct interconnections with more than 385 operators in 150 countries for international voice traffic. With 19 research labs on four continents, we are at the forefront of technological advances.

**Choose reliability and quality, choose us.**



## in brief

The SS7 service enables the transit and management of international signalling. It allows mobile operators to exchange international roaming and SMS traffic.



**STP:** routing of signalling messages

**SCCP:** analysis and translation of the signalling messages' addresses

\*Roaming partner of the customer GSM operator (ITU or ANSI destination)

## our solution

**World leader** in roaming signalling with more than 15 years' experience and the widest roaming coverage (over 900 ITU and ANSI destinations), our SS7 offer meets mobile operators' needs for quality, security and international coverage.

With a customized connection to our network, and our legacy TDM SS7 or SIGTRAN (SS7 over IP) connectivity, mobile operators benefit from a high quality network and a rapid development of roaming.

We offer you **the most complete** signalling solution with its SS7 Standard and ITU/ANSI conversion offers, supplemented by a set of options (Migration, Securization) and optional **value added services:** SMS Control, SS7 More, Prepaid SMS, Anti spoofing, Alliage Short code and Optimum Roaming.

Our SS7 standard offer consists in the exchange of signalling over our SS7 network, which enables mobile operators to implement roaming for their subscribers and helps them generate extra revenues by means of "Roaming-in".

# SS7 options

## migration

With our smooth and dedicated migration process, time-consuming tasks become easier and quicker, with an expert coordinating the mobile operator's connection to our network.

## securization

With the securization option, the mobile operator having to link its network to Orange's SS7 equipment can benefit from a redundant link to a second set of equipment. This allows it to enhance the roaming service availability (in case of link outage) and to benefit from a sharing tool to load traffic.

## detailed traffic reporting via Extranet access

This report breaks traffic down by origin and by destination, by billing items (SS7 traffic, Conversion traffic,...) and by service elements (Roaming, International SMS, USSD and Camel services), and enables mobile operators to improve their awareness of their SS7 traffic. It is available on Orange's Wholesale Solutions Extranet.



# your benefits

## a comprehensive and unique offer

With services dedicated to mobile operators and strong expertise, we know how to meet your needs.

## the widest coverage

900 operators in 230 countries.

## the best-in-class quality of service

Monitoring 24/7, network reliability, 99.999% service availability, detailed reports, etc.

## successful implementation

Migration offer, dedicated Program Manager, short delays for roaming opening, daily international tables update.

## customer oriented organization

A partner committed to your business, sharing know how in all areas of roaming development. With professionalism, reliability and commitment to service, we ensure your requests are precise and we guarantee response time and successful implementation.

## Orange

Operating in 35 countries, Orange is one of the world's leading telecommunications operators. The Group has a total customer base exceeding 226 million customers including more than 167 million mobile customers worldwide. Covering Internet, television and mobile services, Orange is among the leaders in Europe for mobile and broadband internet and, under the brand Orange Business Services, is one of the world leaders in providing telecommunication services to multinational companies.

[www.orange.com/wholesalesolutions](http://www.orange.com/wholesalesolutions)

