

# Prepaid SMS Roaming

SS7 option

## Orange, a major player in the wholesale market

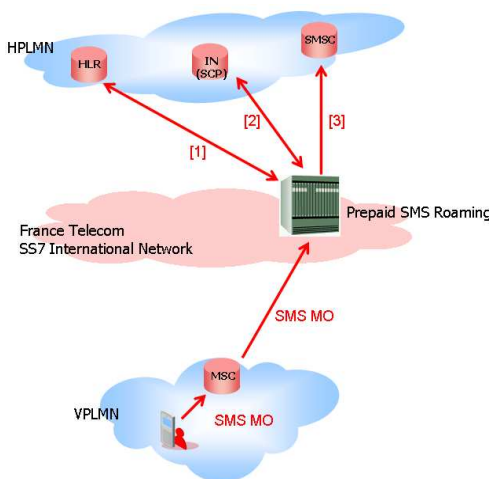
Take advantage of our in-depth knowledge of the industry resulting from our activities on both retail and wholesale markets. Our dedicated wholesale teams on four continents serve 1,000 mobile operators, international carriers, ISPs and content providers worldwide. You can rely on our seamless backbone 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

**SMS MO (Message Originated) prepaid in roaming:** SMS sent by an MNO's prepaid subscriber in an outbound roaming situation



[1] Query the HLR to get the IMSI of the SMS originator

[2] Trigger the MNO SCP to check if the account exists for prepaid subscriber:

- If there is **enough** credit, the SCP will send a "continue" message to the Prepaid SMS platform which will [3] relay the SMS MO to the SMS Center.

- If there is **not enough** credit, the SCP will send a "release" message to the Prepaid SMS platform which will block the SMS MO.

for postpaid subscriber:

- the SCP will send a "continue" message to the Prepaid SMS platform which will relay the SMS MO to the SMS Center.

## our solution

**World leader** in roaming signalling Orange has more than 15 years' experience and the widest roaming coverage (over 900 ITU and ANSI destinations) worldwide to offer. Our SS7 offer meets all the needs of mobile operators in terms of quality, security and international coverage with a complete set of services: SMS Control, SS7 MoRe, Prepaid SMS, Anti spoofing, Alliage Short Code and Optimum Roaming.

The **Prepaid SMS Roaming option** provides a centralized solution to manage and control in real-time SMS MO prepaid sent by outbound roamers. **Our Prepaid SMS Roaming solution** is located within our network. SMS MO traffic from all outbound roamers (prepaid and postpaid) will be routed by Orange to the Prepaid SMS Roaming platform.

For prepaid customers having sufficient credit (or for post-paid customers), the Prepaid SMS Roaming platform will forward the MO to the SMS-Center, whereas for prepaid customers without sufficient credit, the Prepaid SMS Roaming platform will block the MO message.

## pre-requisites:

- Orange has to be your unique SS7 provider in order to fully benefit from the solution
- you must be CAMEL V2 / CAMEL V3 (provided the CAMEL V3 label "MO-SMS-CSI" in Roaming is deactivated).
- you need to implement a new service logic in your SCP (Service Control Platform) based on CAMEL Phase 2/3 and a new rating plan specific to SMS MO in roaming.



## your benefits

### turnkey service

- totally integrated solution: the Prepaid SMS Roaming service is integrated in the SS7 service (in terms of billing and contract).
- no CAPEX investment: you pay monthly fixed fees.
- no need to develop your own platform.
- a simple transfer: maintenance, provisioning and monitoring of the platform will be under Orange's responsibility.

### creating additional revenue

- you manage and bill in real-time your outbound prepaid roamers sending SMS, and increase your income.
- you ensure revenue protection by preventing bad debt through real-time credit control.
- you get protection of your network from unpaid SMS MO in a roaming situation.

### improving image

- you increase your subscribers satisfaction and customer loyalty.

## 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)

