



mobile

# SS7

## SMS Control option

### Definition

Types of spam and fraud:

**SMS Spamming:** is an unsolicited SMS. The spam SMS may take on various forms of content generally intended to invite a response from the receiver. Important: the SMS could be sent from a valid originator and may be correctly billed to the sender.

**SMS Flooding** The act of flooding is when a large number of messages are sent to one or more destinations. These messages may be either valid or invalid.

**SMS Faking:** This is a specific case when SCCP or MAP addresses are manipulated. The SCCP or MAP originator is wrong or is taken from a valid originator.

**SMS Spoofing** related to an illegal use of the HPLMN SMS-C by a third party. In this case, a SMS MO with a manipulated A-MSISDN (real or wrong) is coming into the HPLMN network from a foreign VLR (real or wrong SCCP Address).

### Our solution

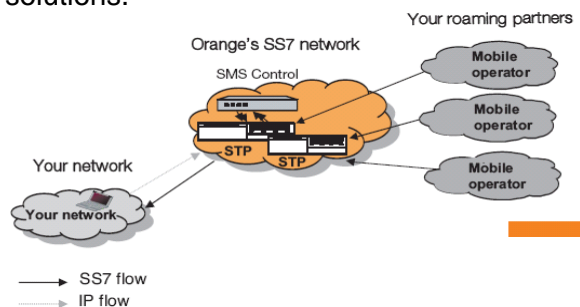
We are the **World leader** in roaming signaling with 15 years' experience and the widest roaming coverage (over 750 ITU and ANSI destinations) worldwide. Our SS7 offer meets mobile operators' needs for quality, security and international coverage.

That is why we have developed a new service: the **SMS Control Solution**, which will protect your incoming international SMS traffic from spam & fraud. The **SMS Control platform** is located within our SS7 network. All your international SMS traffic will be routed through the SMS Control platform which will then verify the sequence of the signaling message and check the parameters contained in the message.

Our SMS Control solution enables you to:

- Proactively analyze your international SMS traffic
- Discard fraudulent SMS in real time
- Implement and manage in real time your own filtering rules, reporting and alerts

Our **SMS Control** solution is compatible with other anti-spam solutions.



## Benefits

### •A turnkey service

- With a simple takeover thanks to France Telecom guidance, providing you with a specific 2 days training
- Avoiding the development and the integration of a standalone platform in your network
- Integrated in our SS7's service in terms of billing and contract

### •Cash saving

- No CAPEX investment
- Avoids loss of revenue from disruption to international SMS traffic (estimated impact 300 k€ per day)
- SMS inter-working cost from recipient networks (could represent more than 150 k€ lost)

### •Improvement of the service provided to your end-users

- Avoid MSISN usurpation and prevent from billing conflicts
- Protect from Configuration SMS
- Prevents end users from receiving unsolicited messages

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