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## Protect your phone number with Anti-Spoofing

### What is spoofing in the telephony world?

Spoofing is when a caller pretends to use a phone number (known as Caller ID) they are not authorised to use. A phone number (and sometimes a name from the telephone directory) that does not belong to the caller appears on the recipient's display. As their Caller ID, spoofers often use a Swiss phone number that is **either already assigned to a customer** (e.g. police, hotline, residential number) or **unassigned**. In both cases, the numbers are misused.

Spoofing is dangerous because the **caller** shows the call recipient a **false identity**. The call is taken on the basis of this act of deception. The caller often has **fraudulent intentions**. Moreover, customers whose numbers are misused can receive a huge number of **return calls**. This is **extremely annoying** and, to make matters worse, they are suspected of making nuisance calls.

### Anti-Spoofing for Enterprise SIP

With the Anti-Spoofing option, Enterprise SIP customers can protect their phone numbers from spoofers. They can configure the option for separate number blocks directly in the Swisscom network via the Enterprise SIP application in the Business Center. The option cannot be configured for individual numbers from within a block, but only for an entire block.

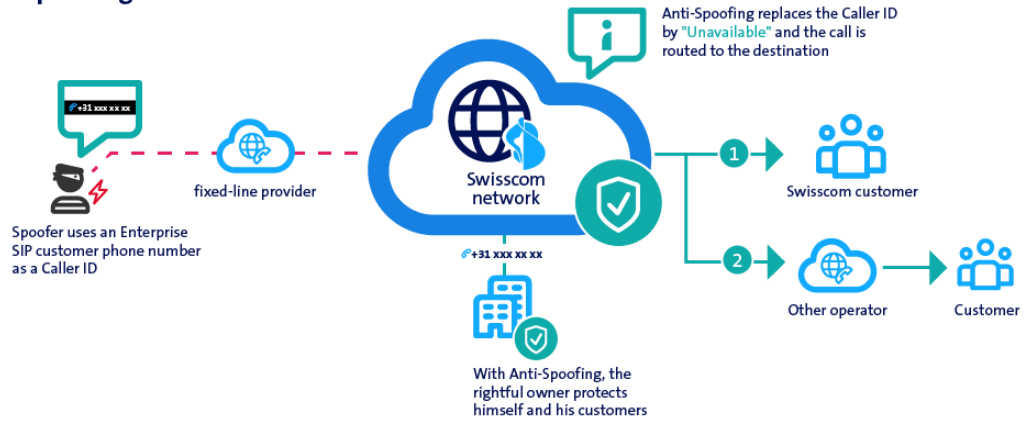
Anti-Spoofing protects your/customers' own telephone numbers from misuse (1) when a malicious caller calls a **Swisscom customer** via a different **fixed VoIP telephony operator** (OLO). In such cases, the call is forwarded to the intended recipient as normal, but the Caller ID is replaced by the word "Unavailable". (2) Anti-Spoofing also replaces the Caller ID for calls to customers from operators who are linked to the Swisscom network (OLO Interconnect with Swisscom). Enterprise SIP or Swisscom customers can therefore use a separate call filter to block incoming calls with "Unavailable" as the Caller ID (see Enterprise SIP Callfilter).



The information in this document does not constitute a binding offer. It is subject to revision at any time.

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### Where Anti-Spoofing is recommended

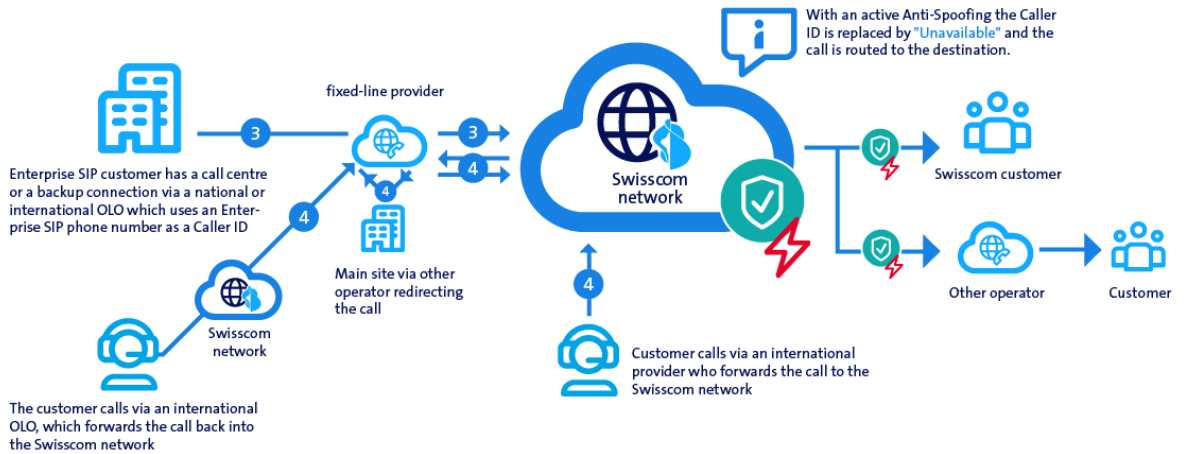


### Where Anti-Spoofing is not recommended

The Anti-Spoofing option should not be activated if the customer has a **call centre** or a **backup connection via an alternative national or international operator** which uses an Enterprise SIP phone number as the Caller ID (3). In such cases, the Caller ID would also be replaced with "Unavailable".

Furthermore, an Enterprise SIP call diverted by a customer with a **different international operator** (excl. Liechtenstein) would also be affected if the final destination was the Swisscom network or another connected operator (4).

### Where Anti-Spoofing has an undesirable effects



<sup>3,4</sup> see drawing