

SMSC Outsourcing

A service for the emerging mobile carrier.



Global Networks Inc.
Schwarzwaldallee 16
4058 Basel
Switzerland
Tel: +41 61 6932730
Fax: +41 61 6932729

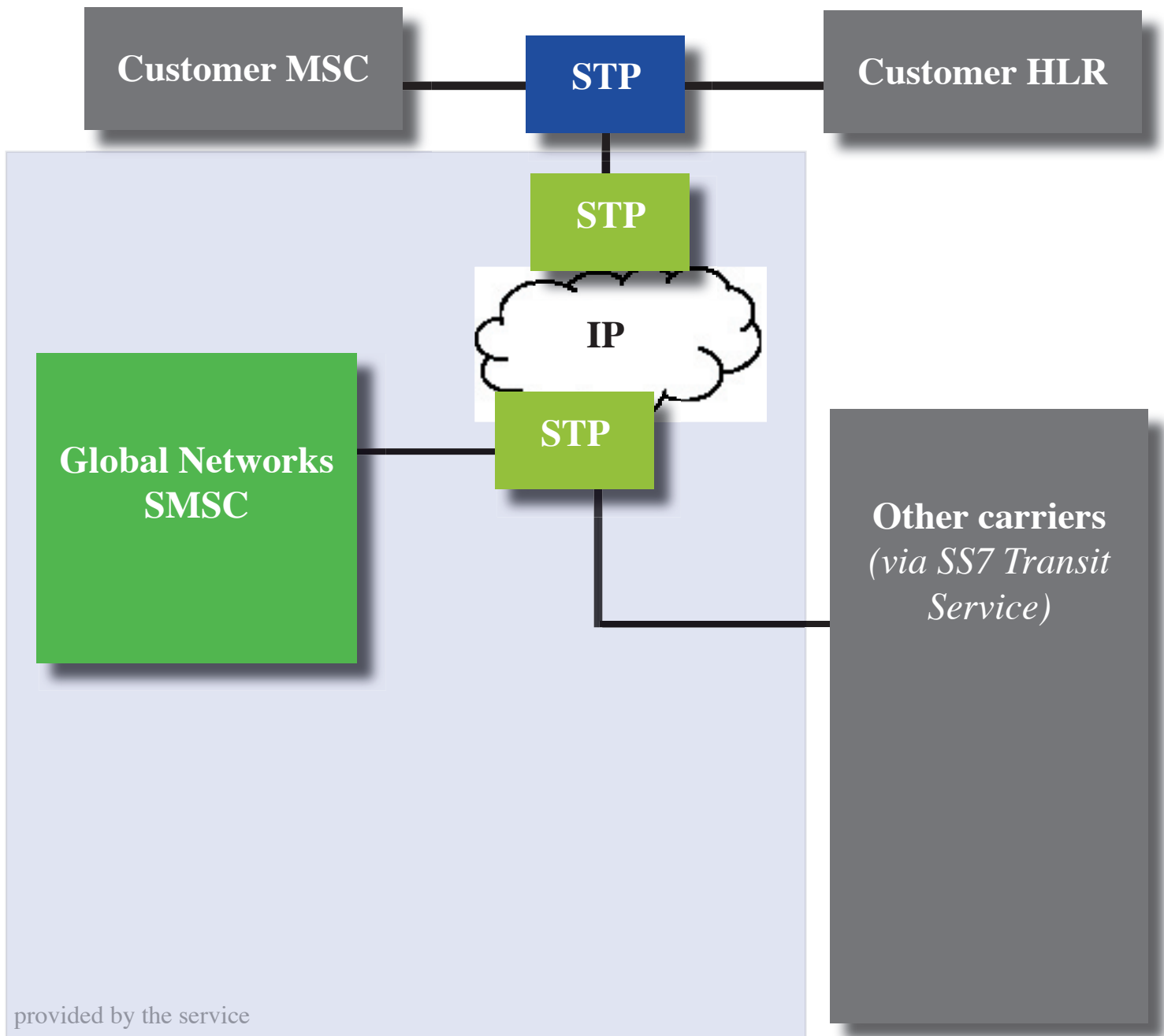
Global Networks Inc.
330 Washington Blvd.
Marina Del Rey, CA 90292
USA
Tel: +1 310 822 5179
Fax: +1 253 679 3987

What is SMSC Outsourcing?

SMSC outsourcing is the process to provide new startup GSM carriers with the functionality of short messaging without the need of buying a SMSC themselves. Its ideal to save cost & resources in the startup phase. Global Network Inc. provides the service of an SMSC and the needed interconnection.

How does the SMSC Outsourcing service help the operator doing more business?

The SMSC outsourcing service allows the emerging operator to concentrate on his main business without having to take care of SMS as a service. Especially in startup phases technical resources are tightly bound. SMSC outsourcing frees up your resources and allows you to postpone the investment into your own SMSC to the time you can really afford it. Furthermore SMSC Outsourcing can be combined with the SMS Proxy service and SS7 Interworking service from Global Networks Inc. allowing you to terminate SMS to over 300 mobile carriers already today and gives you the signalling link capacity to establish roaming with those carriers.



What's required?

1. The customer has to interconnect to Global Networks Inc's international signalling service

Interconnection to SS7 STP or MSC of mobile carrier with Global Networks SS7 over IP network (SIGTRAN).

2. The customer has to subscribe to the SMSC Outsourcing service

This price is for SMS terminating in foreign networks are subject to exposure to interworking fees which is an agreement between the originating carrier and the terminating carrier (Appendix AA19 to the roaming agreement).

What are the options:

Encryption:

This option will encrypt the SS7 link(s) to make them secure

Redundancy:

Duplicating the hardware for redundancy and load sharing

What features are supported?

Supported features:

- Delivery to over 300 mobile carriers around the globe
- Text messages
- Binary messages
- Over the air configuration messages
- Message waiting indicators
- Numeric originators
- Alphanumeric originators
- Delivery reports

How fast is it?

Our standard service does perform up to 15'000 global title translations per second and message terminatoin speeds in exceed of 200msg/sec. On input we recommend to allocate one 64kbps link per every 40 msg/sec of speed you require. Setup time is minimal as all hardware components are in Stock or available within a week or two. The service is built on industry standard unix based servers with full redundancy and security.

What are the options?

Encryption:

This will make sure messages in transit between the STP's are encrypted with 3DES standard to make sure no one can wiretap the communication going over the internet.

Direct Link:

Instead of using the internet a international leased line can be used.

SS7 Transit:

This will allow you to establish signalling relationships with over 300 carriers to allow you to access new roaming partners