



2sms SMPP SMSC Solution

About 2sms

2sms allows business customers to send text messages from your computer to cell phones anywhere in the world. We help customers improve operations, demonstrate duty of care, and react more responsively to customers.

Text messaging reaches more people than email and faster than calling.

- ✓ To learn more - www.2sms.com
- ✓ Want a No cost No obligation trial account? – www.2sms.com/register
- ✓ For technical information - www.2sms.com/software



For Help, call 2sms on 877-276-7266 (USA), 0800 65 222 77 (UK) or +44 1234 757 800 (Rest of World) or email support@2sms.com. Support is available 24/7.

2sms SMPP SMSC Solution Overview

The 2sms SMPP SMSC allows customers to send SMS messages to mobile phones using the SMPP v3.4 protocol. This solution is targeted at wholesale customers intending to send 100,000 messages or more a month.

The 2sms SMPP SMSC is one of 25 software solutions that act as a bridge from your corporate systems to the SMS messaging network. Visit www.2sms.com/software for more information.

Use the 2sms SMPP SMSC to send SMS messages:

- To one or more mobile phones.
- On all networks, domestic and international.
- Fast turnaround. Our SLA is 97% of messages submitted to a delivery network in less than 60 seconds.

The SMPP SMSC accepts valid SMPP PDUs from authenticated users, allowing customers to send messages to domestic and international cell phones and collect delivery receipts, (where provided by the cellular operator.)



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Furthermore, the SMPP SMSC can route traffic according to:

- Customer preference.
- Cost.
- Network availability.
- Congestion avoidance.

The 2sms SMPP SMSC also records all traffic, providing real time reporting services via the 2sms web site at www.2sms.com.

SMPP resources:

<http://en.wikipedia.org/wiki/SMPP>

<http://www.smsforum.net/>

Detailed Instructions

Overview

This section provides technical information required to send text messages using the 2sms SMPP SMSC. It assumes that the reader is familiar with the SMPP protocol and has client software that can send SMS messages using SMPP. If you require SMPP client software please contact support for advice.

Getting Started

To use the 2sms SMPP SMSC you should first contact support@2sms.com who can supply connection information and credentials.

Binding to 2sms

You can bind to the 2sms SMPP SMSC in one of two ways:

1. As a Transmitter/Receiver pair.
2. As a single Transceiver.

You are restricted to either a single transceiver bind or a single transmitter/receiver pair. You must bind with the system ID and password supplied by support@2sms.com and must register your IP address to be granted connection permission.

All binds must send an ENQUIRE_LINK PDU to the 2sms SMPP SMSC at least once every 30 seconds to maintain an active connection.

2sms supports a subset of the SMPP v3.4 protocol. Visit <http://www.smsforum.net/> for more details on this specification.

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Interacting with the 2sms SMPP SMSC

The following commands are not currently supported:

Client to server
CANCEL_SM
DELIVER_SM
QUERY_SM
REPLACE_SM
SUBMIT_MULTI

Server to client
CANCEL_SM_RESP
DELIVER_SM_RESP
QUERY_SM_RESP
SUBMIT_MULTI_RESP

Submitting Messages to the 2sms SMPP SMSC

The following mandatory parameters are ignored:

Parameter	Notes
dest_addr_ton	Treated as 1 (international MSISDN)
priority_flag	
schedule_delivery_time	

The following mandatory parameters are treated as described:

Parameter	Notes
service_type	Reserved for testing
source_addr_ton	Supports 1, 3 and 5
validity_period	Dependent on carrier support
registered_delivery	Treated as Boolean (zero/non-zero)
data_coding	Supports 3 (ISO-8859-1 Latin-1)
short_message	Maximum length dependent on carrier support
validity_period	Dependent on carrier support

The following optional parameters are supported as described:

Parameter	Notes
source_port	DATA_SM only
destination_port	DATA_SM only
sar_msg_ref_num	DATA_SM only
sar_total_segments	DATA_SM only
sar_segment_seqnum	DATA_SM only
message_payload	DATA_SM only
user_message_reference	Stored on the 2sms system

Delivery Receipts

Delivery receipt fields conform to the example in the SMPP specification.

The values that may be returned in the stat field are described below:

Status	Description
DELIVRD	The message has been delivered to the subscriber's handset
ACKED	The message has been submitted to a deliverer
BUFFRED	The message was not delivered, but will be retried
FAILED	The message was not delivered and will not be retried
UNKNOWN	The message status is unknown, but no further retries will be attempted

Message Reporting

Messages sent via the 2sms SMPP SMSC are logged, with real-time reports available either via the 2sms web site at www.2sms.com or the XML reporting services listed at <http://schema.2sms.com>.