



# SMPP Interface Specification

[SMPP Interface specification technical manual. Provision of services is dependent upon compliance with the specifications set forth herein. The information in this document is subject to change without notice. Although World Text has taken reasonable steps to ensure the accuracy and completeness of this document, it shall not be liable for any losses whatsoever, whether direct or indirect, including without limitation and loss of profit, loss of use, or loss of data, as a result of any errors or omissions contained herein. The information or statements in this document concerning the specification or performance of World Text software or hardware systems shall not constitute any binding promise or warranty.]

World Text, PO Box 226, Chester le Street, County Durham. DH3 9BR  
Phone (UK): 0845 867 3980 Phone (Int) +4420 704 37037

**Table of Contents**

**SMPP Version ..... 3**

**SMPP Commands ..... 3**

**Optional Parameters ..... 3**

**Connection Settings ..... 3**

Host & Port Information .....3

Simulator Host & Port Information.....4

**System ID & Password ..... 4**

**System Type..... 4**

**SMPP Version ..... 4**

**Miscellaneous Settings..... 4**

Enquire Link.....4

SMPP Server Restarts .....4

Server Rebinds.....5

Custom Status Values.....5

**Source Addresses ..... 5**

TON and NPI Settings.....5

## SMPP Version

The provided SMPP support is SMPP version 3.3 and a cut down version 3.4, the full SMPP specification can be downloaded from the World-Text web site at [www.world-text.com/docs](http://www.world-text.com/docs) and [www.smpp.org](http://www.smpp.org) for the 3.4 specification. Version 5.0 SMPP support is currently unplanned. More information on SMPP and additional documentation can be obtained by [searching the internet](#).

## SMPP Commands

The following list contains all the commands supported by our API:

- Bind Transmitter
- Bind Transmitter Response
- Bind Receiver
- Bind Receiver Response
- Bind Transceiver
- Bind Transceiver Response
- Unbind
- Unbind Response
- Submit SM
- Submit SM Response
- Deliver SM
- Deliver SM Response
- Enquire Link
- Enquire Link Response
- Generic Nack

Additional commands may be supported if requested.

## Optional Parameters

Optional parameters (v3.4) are **not supported**, this is due to the lack of support by operators that we connect to.

## Connection Settings

### Host & Port Information

	Primary Host	*Backup Host
<b>Hostname</b>	smpp1.world-text.com	smpp2.world-text.com
<b>TX Port</b>	8010	8010
<b>RX Port</b>	8010	8010
<b>TRX Port</b>	8010	8010

Please check back regularly with the World-Text web site for updates to this information as we add additional SMPP resilience to our network.

\***Backup Host** connections are only available to invoiced clients, pre-pay clients may only connect to the primary host.

## Simulator Host & Port Information

<b>Hostname</b>	smpp1.world-text.com
<b>TX Port</b>	12775
<b>RX Port</b>	12775
<b>TRX Port</b>	12775

## System ID & Password

The System ID is made up of the word two characters **sm** and your Account ID, this account ID can be is on your account administration page which can be accessed by logging into your account at [www.world-text.com](http://www.world-text.com).

Example:

Account ID: 1000

System ID : sm1000

The password is the same as that chosen when you signed up to World-Text. These fields are required for the Bind Transmitter/Receiver/Transceiver PDU's.

Currently SMPP accounts needs to be activated by World-Text support who you should contact at [support@world-text.com](mailto:support@world-text.com).

## System Type

The System Type should always be set to: SMPP

## SMPP Version

The SMPP Version must always be set to ether 0x33 (hex 33) for version 3.3 or 0x34 (hex 34) for version 3.4. If this is not set your bind will be rejected.

## Miscellaneous Settings

### Enquire Link

Our servers dispatch Enquire Link PDU's every 90 seconds, if a correctly sequenced Enquire Link Response PDU is not received the link will be disconnected without an Unbind request and the socket closed.

Enquire links to our server should be sent no more that once in every 60 second period.

### SMPP Server Restarts

From time to time the SMPP server is restarted to allow for upgrades and configuration changes, although we try to keep these to a minimum they are required.

During a restart clients are disconnected and all Submit SM PDUs that have been successfully responded to with a Submit SM Response, but have not yet been dispatched, are cached to disk. On start-up these data files are reloaded so that no submitted data is lost.

### Server Rebinds

In the event of a receiving an Unbind request from the server you should acknowledge the request with an Unbind Response and disconnect, if they do not disconnect the connections are forcefully closed. Once disconnected your application should automatically rebind to the server, the frequency of rebinds should not be more that once every 30 seconds.

### Custom Status Values

In addition to the standard SMPP status values returned in SMPP Message Header, the following are also valid vendor specific values.

Value	Meaning
0x400	Insufficient credit remaining on pre-pay account or credit limit has been reached (invoiced accounts)

### Source Addresses

When the SMPP account is activated it is created only to allow transit of messages with the alphanumeric source address **SMSAlert**. If you require to use a different source address then please see the information on our web site to request additional source addresses.

### TON and NPI Settings

When creating your SMPP packets for alphanumeric source addresses you should use a Type of Number setting of **5** and a Numbering Plan Indicator of **6**.

For your destination address the TON and NPI should both be set to **1**.