

SMPP Messaging Gateway
TraiTel Telecommunications
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Introduction:

TraiTel Telecommunications is proud to offer an SMPP Gateway for mobile messaging. The SMPP Gateway can be used for both Inbound and Outbound messaging, in a simple and efficient manner.

Connecting:

TraiTel Telecommunications' SMPP Gateway can be reached using the following settings:

Address: *smpp.traitel.com.au*
Port: *2775*
Protocol: *TCP/IP*

At this time, UDP is not supported.

Usage:

The SMPP Gateway can function in any of the following three modes:

'Receiver'	<i>Inbound messaging only</i>
'Trasmitter'	<i>Outbound messaging only</i>
'Transceiver'	<i>Two-way communication</i>

The following functions are available:

- BindReceiver
- BindTransmitter
- BindTransceiver
- Unbind
- SubmitSm
- QuerySm
- DeliverSm
- EnquireLink
- GenerickNack

The following functions are not supported:

- ReplaceSm
- CancelSm
- SubmitMulti

Password:

SMPP specifications require a password that is no longer than **8 characters** in length. Entering a longer password will result in a failure to connect to TraiTel's SMPP server.

BindReceiver, BindTransmitter, BindTransceiver:

When connecting to TraiTel's SMPP Gateway, you must login by issuing one of these commands. Select the mode most appropriate for your system:

Receiver: *Delivers inbound SMS messages back to your application*
Transmitter: *Accepts, delivers outbound SMS messages from your application*
Transceiver: *Delivers outbound and inbound messages from/to your application*

Parameters:

System ID: *Your TraiTel account username, **without** '@tri-tel.com.au'*
Password: *Your TraiTel account password*

Reply:

The Gateway will reply with the appropriate response, either BindReceiverResp, BindTransmitterResp or BindTransceiverResp

Upon success, the gateway will reply with 'ESME_ROK'.
On failure, the gateway will reply with 'ESME_RINVPASWD'.

Unbind:

This command **should** be sent to TraiTel's SMPP Gateway before disconnecting. It may also be used to change modes.

Parameters:

None

Reply:

The Gateway will reply with 'UnbindResp'.

SubmitSm:

This command should be issued to send a single SMS message. The message will be sent using the 'Default Sender ID' as specified in your Web-Messaging account. Please login to <http://www.traitel.com.au/>, and, under 'My Account', select 'SMS Options'.

Parameters:

ShortMessage: *The Message to send; maximum 160 characters*
Destination Address: *The mobile number in international format.*

Reply:

The Gateway will reply with 'SubmitSmResp', and one of the following status codes:

'ESME_ROK'	<i>Ok</i>	<i>- Accepted for delivery</i>
'ESME_RINVDSTADR'	<i>Rejected:</i>	<i>- No address specified</i> <i>- Invalid formatting</i> <i>- Not a mobile number</i> <i>- Premium number</i>
'ESME_RSUBMITFAIL'	<i>Rejected:</i>	<i>- Insufficient Funds</i> <i>- Service is disabled</i> <i>- Please contact TraiTel</i>

The reply will also include a Message ID, which can be used with QuerySm to track the SMS message.

QuerySm:

The command can be used to query the status of an SMS message. Note that the status will only be available if you have selected a 'Sender ID' with Tracking as your default Sender ID. To set your Sender ID, please login to <http://www.traitel.com.au/>, and, under 'My Account', select 'SMS Options'.

Parameters:

Message ID: *The Message ID received from SubmitSm*

Reply:

The Gateway will with 'QuerySmResp', with a status code of 'ESME_ROK'

The reply will also contain the 'Message State', one of:

DELIVERED	<i>If tracking was enabled and the message is confirmed as received.</i>
ENROUTE	<i>If the message has been queued or sent. If tracking is not used, then the status will not progress beyond this message.</i>
UNDILIVERABLE	<i>The message could not be delivered</i>
UNKNOWN	<i>The Message ID is invalid.</i>

DeliverSm

This command will be issued from the Gateway to your application when an SMS is received.

Parameters:

Source address:	<i>The sender's mobile number</i>
Destination address:	<i>The sender's mobile number</i>
Short Message:	<i>The message sent</i>

Reply:

The Gateway will expect a reply of type 'DeliverSmResp' and a status code of ESME_ROK

EnquireLink

This command should be used to verify that the connection is still active.

Parameters:

None

Reply:

The Gateway will always reply with an EnquireLinkResp command.

GenerickNack

This command can be issued to any unrecognized command from the Gateway when in Receiver and Transceiver mode. Likewise, the Gateway will issue this command in response to any unrecognized or unsupported command.