



TeleMessage SMPP Gateway Manual

Confidential
Version: 1.3

Version Control Information:

Version	Date	Author	Changes
1.0	01- Feb - 2008	Doron Perl + Yossi Sh	First draft
1.1	13- Feb - 2008	Yossi Sh	Update IP details
1.2	01- Nov - 2008	Liona Goldberg	Change enquire_link policy
1.3	11- Jan – 2009	Dangoor Ofer	General formatting

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1. Introduction General

A. Purpose

The attached document should help understand the settings and needs to establish SMS connection between TeleMessage and a service provider.

This document assumes a level of familiarity with SMPP functionality, and follows the SMPP v3.4 specification.

For further assistance please contact your sales/project manager.

B. Objective of this Document

This document is meant to outline, the requirements from the service provides/mobile operator technical connectivity of SMS to the TeleMessage system. This connectivity is used receiving SMS messages from the network to the TeleMessage system.

The connection settings explained here are based on connectivity using the SMPP protocol.

Please note that connectivity using other protocols is possible as well - for further assistance please contact your sales/project manager.

C. Glossary

Name	Value
ESME	External Short Message Entity
PDU	Protocol data unit
SMPP	Short Message Peer to Peer Protocol
SMSC	Short Message Service Center

D. References

Document Name	Version
Short Message Peer to Peer Protocol Specification	v3.4 – Issue 1.2
Requirements for VPN connection ver x.x - Production.doc	v2.4

2. Connecting to the Service

A. Basic Parameters

In order to connect to the service, the following data is needed:

- IP Address and Port: This is the TCP/IP endpoint on which the ESME should connect to. (Section 3-C1)
- system_id : This is the username of your account configured on the platform. (Section 3-C1)
- password: Password for the above account. (Section 3-C1)
- service type : distinguish the account type for the others on the platform. Not always mandatory and depended on the project scope. (Section 3-C2)

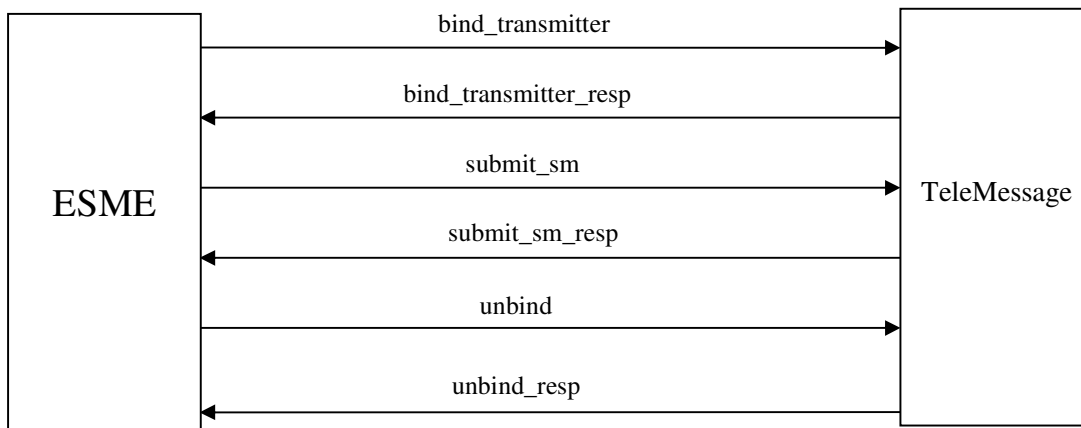
B. enquire_link

The application should issue an enquire_link every 30 seconds (recommended). This will ensure the link stays active even when it is not in use.

C. Submit a Message

Messages should be submitted with `submit_sm`, using either the `short_message` or `message_payload` fields.

The following diagram illustrates a typical SMPP request/response sequence between an SMSC and an ESME bound as a Transmitter.



D. Connectivity

Establishing a VPN connection between the client and the platform is highly recommended.

For further information please refer to the TeleMessage document *Requirements for VPN connection ver x.x - Production.doc*

3. Integration information

E. Overview and project

This section will detail the different settings needed to establish the connection.

Data Required	Operator Information
Operator Name	To be provided by the client

F. Contact People

Business Contact

Data Required	Operator Information
Business Contact Name	To be provided by the client
Business Contact Phone Number	To be provided by the client
Business Contact E-mail Address	To be provided by the client

Technical Contact

Data Required	Operator Information
Technical Contact Name	To be provided by the client
Technical Contact Phone Number	To be provided by the client
Technical Contact E-mail Address	To be provided by the client

G. Connections data

1) Accounts data

TeleMessage will be the Server (Receiver) side. The client should be opening the connections:

Item	Type	IP	Port	System_Id	Password*
Production	Receiver 1	64.28.80.117	To be provided by TeleMessage	To be provided by TeleMessage	To be provided by TeleMessage
	Receiver 2	64.28.80.118	To be provided by TeleMessage	To be provided by TeleMessage	To be provided by TeleMessage
Test	Receiver 1	213.8.76.10	To be provided by TeleMessage	To be provided by TeleMessage	To be provided by TeleMessage
	Receiver 2				

2) Technical Data

Item No.	Parameter	Option or Value	Explanation
1.	Source type /category (Service_type)	To be provided by TeleMessage	Source type is service type in Submit_SM PDU.
2.	SMPP Version	3.4	
3.	Type of Connection	1. VPN secured connection 2. Over the Internet (only for testing phase)	
4.	SMSC default Alphabet (charset)	iso8859-1	
	Enquire Link		
5.	SMSC enquire_link policy	When ESME does not send any PDU within an interval.	
6.	What is the SMSC enquire_link interval (seconds)?	30	Configurable

3) ESME Data

Item No.	Parameter	Option or Value	Explanation
1	ESME IP addresses Production	To be provided by the client	To be provided by the client
2	ESME IP addresses Test	To be provided by the client	To be provided by the client
