

MEXCOMM BULK SMS API

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Document Changes

	Date	Version	Updates	By
1.	10/01/2013	1.0	<ul style="list-style-type: none">• First documentation	Ryan Chong

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1.0 Introduction

The objective of this document is to specify the communication protocols between 'Mexcomm Bulk Gateway' (MBG) and external content provider who wish to use SMS/WAPPUSH to reach their users over SMPP.

Currently we only support Normal Text (ASCII), UTF8 (8-bit UCS/Unicode Transformation Format) and WAPPUSH.

1.1 Initial Setup

In order to get connected with Mexcomm Bulk Gateway system, you need to fulfill these requirements

- i) A valid account to use Mexcomm Bulk Gateway.
- ii) A web application to broadcast SMS via SMPP Protocol
- iii) Allow incoming IP for Mexcomm Bulk Gateway at port 7001
- iv) Sufficient credit in client account

2.0 Sending Bulk SMS

In order to push Bulk SMS to MBG through SMPP, below information is required to setup in the SMPP client configuration to send the message. These parameters are able to found after initialize the SmppConnection or defined the SmppSetting.

2.1 SMPP Bind Parameter

Parameter	Details	Value
Connection Mode	Connection mode connect with MBG	Transceiver
Remote Host	The destination IP that SMPP need to connect	203.223.147.131
Remote Port	The destination PORT that SMPP need to connect	10390
User	Username that has been assigned to client during setup phase.	Eg.Mexcomm
Pass	The password that has associated to client MEXCOMM Account	Eg.Mexcomm123
NPI	Numbering Plan Identification	1
TON	Type of Number	0
Interface Version	Version of the SMPP	52

2.2 Submit Request Parameter(TEXT AND UTF-8)

Parameter	Details	Value
Destination Address	Mobile Number that client want to send a message to (MSISDN must start with country code)	Eg: 60123344556
Short Message	The content which client want to send to MSISDN	Eg: Hello Mexcomm , 你好吗
Data Coding	The data coding of the message which contains UTF8/TEXT	SmppDataCoding.Unicode
* Service Type	Service ID that has been assigned to client to get the delivery notification. Note : If Service ID is invalid or blank, we will not sent the message notification to you	Eg: CPA_MEX_12345

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* Source Address	Sender Name. The sender name which will appear when the MSISDN received the message. Note: Not every TELCO support this function	Eg.Mexcomm, KakaoTalk, HP , DELL
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2.3 Submit Request Parameter(WAPPUSH)

Note : U-MOBILE and DIGI currently not support WAPPUSH

Parameter	Details	Value
Destination Address	Mobile Number that client want to send a message to (MSISDN must start with country code)	Eg: 60123344556
Short Message	The encrypted data which contains WAP URL, WAP TITLE and others information	For more information, please refer to (Appendix B) .
Data Coding	The data coding of the WAPPUSH for us to identify this is a WAPPUSH Message	SmppDataCoding.FromValue(0)
* Service Type	Service ID that has been assigned to client to get the delivery notification. Note : If Service ID is invalid or blank, we will not sent the message notification to you	Eg: CPA_MEX_12345
* Source Address	Sender Name. The sender name which will appear when the MSISDN received the message. Note: Not every TELCO support this function	Eg.Mexcomm, KakaoTalk, HP , DELL

*** Optional Parameters**

**** Optional Parameters and only available for Malaysia MSISDN**

2.4 Submit Response Result

After the client submits the SMPP request, Mexcomm will response back the SMPP request with the Message ID. The client is able to retrieve the message ID through the parameter which named as body.MessageID. However,if there is any error occurs during the SMPP process, we will also return the error description in the body.MessageID.

Response Parameter**SUCCESS**

Parameter	Details	Example
Body.MessageID	Message ID of the message	5428790437769704226

FAILURE

Parameter	Details	Example
Body.MessageID	Error Description	i) Unexpected Error ii) Insufficient Credit

2.5 Delivery report

When Mexcomm received the DN from TELCO, delivery report will send to all CP based on the DN URL which associated to client MEXCOMM Account.

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