

# API Specification For Sending Business SMS

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## Business Messaging Platform

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This document will help explaining the specifications which needed to be followed in order to submit messages to BMP platform.



## Table of Contents

1.	Introduction .....	2
2.	Functional Overview .....	3
2.1	All Operations .....	3
2.2	Return Value .....	3
2.3	Operation Specification .....	4
2.3.1	SendTextMessage .....	4
2.3.2	SendTextMultiMessage.....	5
2.3.3	SendWAPPush.....	6
2.3.4	GetMessageStatus .....	7



## 1. Introduction

Business Messaging Platform (BMP) is designed to offer you a convenient way of sending and receiving messages and initiating and managing bulk jobs and campaigns. You have option to manage your contacts and bulk lists. You can view reports and statistics in different angles and generate reports.

BMP comes with web service to enable the design of external applications and services to send SMS. This interface supports the transmission of SMS and WAP. Client applications can request for sending messages and can request message status.

BMP Web Service provides the underlying HTTP server functionality. The following web methods are currently permitted:

- HTTP GET
- HTTP POST
- HTTP SOAP

This user manual briefly describes how to use this portal.

### Reference:

- Service overview: <https://bmpws.robi.com.bd>
- WSDL HTTPGet: <https://bmpws.robi.com.bd/ApacheGearWS/services/CMPWebServiceHttpGet?wsdl>
- WSDL HTTPPost: <https://bmpws.robi.com.bd/ApacheGearWS/services/CMPWebServiceHttpPost?wsdl>
- WSDL SOAP: <https://bmpws.robi.com.bd/ApacheGearWS/services/CMPWebServiceSoap?wsdl>



## 2. Functional Overview

### 2.1 All Operations

Business Messaging Platform Web Service is responsible to handle the submission of messages from 3rd party. The following methods are available:

Method	Description
SendTextMessage	To send SMS text messages to one recipient
SendTextMultiMessage	To send same SMS to multiple recipients
SendWAPPush	To send WAP push to one recipient
GetMessageStatus	To retrieve the status of a sent message

### 2.2 Return Value

For any request to BMP web service, it response with a class ServiceClass which containsthe following public fields:

Method	Type	Description
MessageID	Number	Unique message reference number e.g : 123456 This reference number need to be used for any future purpose i.e for calling GetMessageStatus
Status	Number	Message Status Possible Values: -1: Error occurred 0: Pending 1: Successfully transmitted 2: Processing
Status Text	String	To retrieve the current status of a sent message e.g.: Error occurred or pending or successfully transmitted.
ErrorCode	Number	Error code e.g.: -1,-2,0,1041,1042 etc. Here a nonzero value means error occurred. A zero value means no error.
ErrorText	String	Error description It contains description of error. For Example: Error while submitting to SMSC, Invalid originator, Invalid destination etc.
SMSCCount	Number	Number of SMS e.g.: 1,2,3 etc
CurrentCredit	Number	Current credit of the sender number



## 2.3 Operation Specification

### 2.3.1 SendTextMessage

**Description:**

This function sends a text message to one recipient via BMP web service.

**Signature:**

```
ServiceClassSendTextMessage(String Username, String Password, String
From, String To, String Message)
```

**Parameters:**

Input Fields	Type	Description
Username	String	Username that is used for login
Password	String	Password
From	String	Originator mobile number
To	String	Destination mobile number
Message	String	Message text

### Samples:

➤ **HTTP GET:**

<https://bmpws.robi.com.bd/ApacheGearWS/SendTextMessage?Username=testuser&Password=XXXXXX&From=88018XXXXXXX&To=8801XXXXXXX&Message=testmessage>

➤ **HTTP POST:**

Here is a simple HTML form which will submit SendTextMessage request to the web service using HTTP POST.

```
<form
action="https://bmpws.robi.com.bd/ApacheGearWS/SendTextMessage" method="post">
<input type="text" name="Username" value="testuser" />
<input type="text" name="Password" value="XXXXXX" />
<input type="text" name="From" value="88018XXXXXXX"/>
<input type="text" name="To" value="8801XXXXXXX" />
<input type="text" name="Message" value="testmessage"/>
<input type="submit" value="Submit" />
</form>
```

➤ **SOAP :**



Add following link in your application as web reference to generate the SOAP message structure and objects

<https://bmpws.robi.com.bd/ApacheGearWS/services/CMPWebServiceSoap?wsdl>

### 2.3.2 SendTextMultiMessage

#### Description:

This function sends same message to multiple mobile numbers via BMP web service. You can send same message to at most 200 recipients by one call of this method.

#### Signature:

```
ServiceClassSendTextMultiMessage(String Username, String Password, String From, String To, String Message)
```

#### Parameters:

Input Fields	Type	Description
Username	String	Username that is used for login
Password	String	Password
From	String	Originator mobile number
To	String	Destination mobile numbers separated by comma i.e. 88018XXXXXXX,88017XXXXXXX,88019XXXXXXX
Message	String	Message text

#### Samples:

##### ➤ HTTP GET:

<https://bmpws.robi.com.bd/ApacheGearWS/SendTextMultiMessage?Username=testuser&Password=XXXXXX&From=88018XXXXXXX&To=8801XXXXXXX,8801XXXXXXX,8801XXXXXXX&Message=testmessage>

##### ➤ HTTP POST:

Here is a simple HTML form which will submit SendTextMultiMessage request to the web service using HTTP POST.

```
<form
action="https://bmpws.robi.com.bd/ApacheGearWS/SendTextMultiMessage"
method="post">
<input type="text" name="Username" value="testuser" />
<input type="text" name="Password" value=" XXXXXX" />
<input type="text" name="From" value="88018XXXXXXX"/>
<input type="text" name="To"
value="8801XXXXXXX,8801XXXXXXX,8801XXXXXXX" />
<input type="text" name="Message" value="testmessage"/>
<input type="submit" value="Submit" />
</form>
```

##### ➤ SOAP :



Add following link in your application as web reference to generate the SOAP message structure and objects

<https://bmpws.robi.com.bd/ApacheGearWS/services/CMPWebServiceSoap?wsdl>

### 2.3.3 SendWAPPush

**Description:**

This function sends a WAP push via Business Messaging web service.

**Signature:**

```
ServiceClassSendWAPPush(String Username, String Password, String
From, String To, String WAPText, String WAPURL)
```

**Parameters:**

Input Fields	Type	Description
Username	String	Username that is used for login
Password	String	Password
From	String	Originator mobile number
To	String	Destination mobile number
Message	String	Message text
WAPText	String	WAP text
WAPURL	String	WAP URL

**Samples:**

➤ **HTTP GET:**

<https://bmpws.robi.com.bd/ApacheGearWS/SendWAPPush?Username=testuser&Password=XXXXXX&From=88018XXXXXXX&To=8801XXXXXXX&WAPText=robi&WAPURL=http://wap.robi.com.bd>

➤ **HTTP POST:**

Here is a simple HTML form which will submit SendWAPPushrequest to the web service using HTTP POST.

```
<form
action="https://bmpws.robi.com.bd/ApacheGearWS/SendWAPPush"method="post">
<input type="text" name="Username" value="testuser" />
<input type="text" name="Password" value="XXXXXX" />
<input type="text" name="From" value="88018XXXXXXX" />
<input type="text" name="To" value="8801XXXXXXX" />
<input type="text" name="WAPText" value="wap" />
<input type="text" name="WAPURL" value="http://wap.robi.com.bd"
/>
<input type="submit" value="Submit" />
</form>
```



➤ **SOAP :**

Add following link in your application as web reference to generate the SOAP message structure and objects

<https://bmpws.robi.com.bd/ApacheGearWS/services/CMPWebServiceSoap?wsdl>

### 2.3.4 GetMessageStatus

**Description:**

This function is for getting status info about a message using a unique identification number(MessageId) which is received from the above three methods. It is suggested to call this method after certain period of time after calling above three methods. For example, after calling SendTextMessage, you will get a MessageId. Then after one hour, you can call GetMessageStatus using the MessageId to get updated status of the message.

**Signature:**

`ServiceClassGetMessageStatus (String Username, String Password, int MessageId)`

**Parameters:**

Input Fields	Type	Description
Username	String	Username that is used for login
Password	String	Password
MessageId	Int	Message reference number e.g.:22300

**Samples:**

➤ **HTTP GET:**

<https://bmpws.robi.com.bd/ApacheGearWS/GetMessageStatus?Username=testuser&Password=XXXXXX&MessageId=22300>

➤ **HTTP POST:**

Here is a simple HTML form which will submit GetMessageStatusrequest to the web service using HTTP POST.

```
<form
action="https://bmpws.robi.com.bd/ApacheGearWS/GetMessageStatus" method="post">
<input type="text" name="Username" value="testuser" />
<input type="text" name="Password" value="XXXXXX" />
<input type="text" name="MessageId" value="22300" />
<input type="submit" value="Submit" />
</form>
```

➤ **SOAP :**





Add following link in your application as web reference to generate the SOAP message structure and objects

<https://bmpws.robi.com.bd/ApacheGearWS/services/CMPWebServiceSoap?wsdl>