

# API Specification For Sending Business SMS

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MobiReach Platform

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

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## 1. Introduction

The MobiReach Platform is designed to offer you a convenient way of sending and receiving messages and initiating and managing bulk advertising campaigns. You have option to manage your contacts and bulk lists and you can view reports and statistics in different angles and generate corresponding reports.

The MobiReach Platform comes with web services to enable external applications and services to send SMS for advertising campaigns. This interface supports the transmission of SMS where client applications can request for sending messages and can request message status.

MobiReach Platform 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.

## 2. Functional Overview

### 2.1 All Operations

MobiReach 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    |
| GetMessageStatus     | To retrieve the status of a sent message   |

### 2.2 Return Value

For any request to MobiReach Platform web service, it response with a class ServiceClass which contains the 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:<br>-1: Error occurred<br>0: Pending<br>1: Successfully transmitted<br>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<br>e.g.: -1, -2, 0, 1041, 1042 etc.<br>Here a nonzero value means error occurred. A zero value means no error.                              |
| ErrorText     | String | Error description<br>It contains description of error.<br>For Example:<br>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 MobiReach Platform 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://api.mobireach.com.bd/SendTextMessage?Username=testuser&Password=XXXXXX&From=88018XXXXXXXXX&To=8801XXXXXXXXXX&Message=testmessage>

**Note:** The above GET requests should be submitted in URL encoded format.

➤ **HTTP POST:**

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

```
<form action="https://api.mobireach.com.bd/SendTextMessage"
method="post">
<input type="text" name="Username" value="testuser"/>
<input type="text" name="Password" value="XXXXXX"/>
<input type="text" name="From" value="88018XXXXXXXXX"/>
<input type="text" name="To" value="8801XXXXXXXXXX" />
<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://user.mobireach.com.bd/index.php?r=sms/service>

**2.3.2 SendTextMultiMessage****Description:**

This function sends same message to multiple mobile numbers via MobiReach Platform 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<br>i.e.<br>88018XXXXXXXXX,88017XXXXXXXXX,88019XXXXXXXXX |
| Message      | String | Message text                                                                                          |

**Samples:**➤ **HTTP GET:**

<https://api.mobireach.com.bd/SendTextMultiMessage?Username=testuser&Password=XXXXXX&From=88018XXXXXXXXX&To=8801XXXXXXXXXX,8801XXXXXXXXXX,8801XXXXXXXXXX&Message=testmessage>

**Note:** The above GET requests should be submitted in URL encoded format.

➤ **HTTP POST:**

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

```
<form
action="https://api.mobireach.com.bd/ApacheGearWS/SendTextMultiMess
age" method="post">
<input type="text" name="Username" value="testuser" />
<input type="text" name="Password" value=" XXXXXX" />
<input type="text" name="From" value="88018XXXXXXXXX"/>
<input type="text" name="To"
value="8801XXXXXXXXXX,8801XXXXXXXXXX,8801XXXXXXXXXX" />
<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://user.mobireach.com.bd/index.php?r=sms/service>

### 2.3.3 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://api.mobireach.com.bd/GetMessageStatus?Username=testuser&Password=XXXXXX&MessageId=22300>

**Note:** The above GET requests should be submitted in URL encoded format.

➤ **HTTP POST:**

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

```
<form action="https://api.mobireach.com.bd/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://user.mobireach.com.bd/index.php?r=sms/service>