



SOAP API INTEGRATION DOCUMENTATION

Integration with RapidSMS via RapidSMS SOAP API

Version: 8.0

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1 OVERVIEW

This document serves to assist system integrators to integrate and leverage on RapidSMS to perform SMS delivery and receive SMS.

- To **Send SMS**
 - Web Service
 - Single SMS method
 - Bulk SMS
 - Push SMS
 - HTTP
 - Single SMS method
 - Bulk SMS

- To **Receive SMS** into your system, please inform your RapidSMS sales coordinator so that the setup can be done for you. We support
 - HTTP Get/Post
 - Email

This document will be oriented around the following flow:

1. Sending of SMS via HTTP method
 - a. Single
 - b. Bulk
2. Sending of SMS via Web Service methods
 - a. Single
 - b. Single with FK
 - c. Bulk with same message
 - d. Bulk with different message
 - e. Bulk Push SMS with same message
 - f. Bulk Push SMS with different message
3. Checking of Account info via Web Service methods
4. Receiving of SMS via HTTP method

2 HTTP METHOD

2.1 INTRODUCTION

Please obtain the URL from your sales coordinator or support personnel from RapidSMS. Developer(s) and System Integrators can perform a HTTP POST or GET to submit an outbound SMS.

2.2 SEND SMS (SINGLE)

2.2.1 INTRODUCTION

- This is the single SMS method.
- It will submit the SMS for immediate or Schedule Date and Time.
- It will also return a numeric value which represents the status of the operation.
See it on the below.

2.2.2 PARAMETERS

A sample HTTP Get looks like as below

http://URL.ashx?userName=InspireTech.Amy&password=pass1234&smsText=hello&mobile=6590033008&recipientName=Simon&senderID=InspireTech&taskName=Broadcast1&schedule=&priority=3

Field name	Data type	Mandatory	Description
userName	String	Yes	Username of RapidSMS user (Username consists of Company Code.Username e.g. Inspire.Amy)
password	String	Yes	Password of RapidSMS user
mobile	String	Yes	Mobile number of recipient. Number should not have spaces, '-', or '+', except numeric characters. The number should include country code.
smsText	String	Yes	Text message that recipient will receive. Unicode, Latin and Long messages are supported.
recipient Name	String	Yes	The name of recipient. If empty, it will be replaced with the value of the mobile number.

senderID	String	Yes	Important: Up to 11 alphanumeric or 16 numeric characters No spaces or special characters are supported.
taskName	String	Yes	Use this value to associate the broadcast purpose.
schedule	DateTime	Yes	Leave it empty if the message needs to be sent out immediately. The accepted format is yyyy-mm-dd hh:mm ampm
priority	Integer	Yes	A numeric value to determine the priority of the SMS message. A value of 0 has lower priority than a higher value e.g. 5

All fields are required. When stated Optional, an empty value can be submitted. HTTP POST will have the exact fields as in HTTP GET

2.2.3 STATUS RETURN CODES

The status return codes apply for all the Send SMS methods (including HTTP & Web Services)

Enumerator	Numeric value	Description
OK	1	Successfully queued
Invalid User	2	No such user of the email address or user account ID
Exceed Quota	3	The user account has reached the allowed quota. This can be resolved by adding more "credits" or setting the quota to "0" in RapidSMS web site.
Error In Insert	4	System error likely cause by database server or the SMS text length exceeds the maximum allowed (760/335)
Invalid Group	5	Non-applicable
ExceedDivisionQuota	6	The Division/Company account has reached the allowed quota. This can be resolved by adding more "credits" to Division/Company
Invalid Batch	7	For Bulk SMS, If Mobile numbers and Recipient names are not equal to the same size then web service will not process the whole batch SMS.
InvalidMobileNo	8	The mobile number did not meet the allowed mobile numbers criteria to send SMS.
InvalidSenderID	9	Sender id did not match to 11 alphanumeric or 16 numeric characters.
InvalidExpiryPeriod	10	Expiry period should be 0 or >=5 minutes
ChannelNameEmpty	11	Empty channel name will not accept for Push and MMS messages
InvalidMMS	12	MMS content is not properly converted into Bytes
FileSizeExceeded	13	MMS File size exceeded

MMSSubjectEmpty	14	Not used. Later versions will remove this error code.
SMSTextEmptyCanNotAccept	15	For MMS, if IsSendSMS = True then SMS text cannot be empty.
MMSFileNameOrSizeInvalid	16	MMS Attachments file size exceeded
MMSFileInsertFail	17	Exception occurred while inserting MMS files into database.

2.3 SEND SMS (BULK)

2.3.1 INTRODUCTION

The Bulk method is similar to the single method. The only difference is in the Mobile field. You will add multiple mobile numbers for the bulk method. Use comma “,” to separate the mobile numbers.

2.3.2 PARAMETERS

A sample HTTP Get looks like as below

http://URL.ashx?userName=InspireTech.Amy&password=pass1234&smsText=hello&mobile=6590033008,6581890093&recipientName=&senderID=InspireTech&taskName=Broadcast1&schedule=&priority=3

Refer to the table above & the respective **2.2.3 STATUS RETURN CODES**.

3 WEB SERVICE SMS METHODS

3.1 INTRODUCTION

Please obtain the URL from your sales coordinator or support personnel from RapidSMS.

Note: Please use only the integration methods explicitly mentioned in this documentation. Any other methods found within the web service but are not elaborated in this document will not be supported.

3.2 SEND SMS

3.2.1 METHOD SUMMARY

This method is used to send a single SMS to a single recipient. The SMS can be scheduled to be sent out immediately or at a later time or date.

Method Name	Return Type	Parameters
SendSMS2	ResultCode As Integer	SendSMS2 (<i>userName</i> As String , <i>password</i> As String , <i>toMobile</i> As String , <i>recipientName</i> As String , <i>senderID</i> As String , <i>smsText</i> As String , <i>SMSType</i> As String , <i>Apptype</i> As String , <i>taskName</i> As String , <i>timeOffset</i> As Long , <i>priority</i> As Integer)

It returns a numeric value which represents the status of the operation. Please refer to **2.2.3 STATUS RETURN CODES**.

SendSMS2

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
userName:	<input type="text" value="Inspire.Admin"/>
password:	<input type="text" value="Hello1234"/>
toMobile:	<input type="text" value="6590010010"/>
recipientName:	<input type="text" value="Administrator"/>
senderID:	<input type="text" value="Inspire-Tech"/>
smsText:	<input type="text" value="Test : Send SMS using this method"/>
SMSType:	<input type="text" value="EWAPI"/>
Apptype:	<input type="text" value="EW_Inspire"/>
taskName:	<input type="text" value="Test"/>
timeOffset:	<input type="text" value="60"/>
priority:	<input type="text" value="3"/>

3.2.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
username	String	50	Yes	Username of RapidSMS user. (Username consists of <Company Code.Username> e.g. "Inspire.Amy")
Password	String	50	Yes	Password of RapidSMS user.
toMobile	String	16	Yes	Mobile number of recipients. The number should not have any spaces, '-', or '+', except numeric characters. Local mobile numbers without the prefix will be appended automatically by the API with the default local country code to ensure delivery on the SMS gateway.
Recipient Name	String	100	Yes	Name of recipient.
senderID	String	16	Yes	Important: Up to 11 alphanumeric or 16 numeric characters. No space or special characters are supported.
smsText	String	760	Yes	The text message that the recipient will receive. Unicode, Latin and Long messages are supported. Please note that if your text contains Unicode, the maximum length of the text message will be less than 760.
smsType	String	100	Yes	EWAPI will be set as default if smsType is not specified.
appType	String	50	Yes	Please leave it blank. This is because RapidSMS has the

				capability to route messages as a service provider.
taskName	String	50	Yes	Use this value to associate the broadcast name. If value is NULL, the system will automatically generate an ID.
timeOffset	Long		Yes	For immediate delivery, please put 0. Values are in seconds (sec) e.g. if you need to send the message 1 hour from now, you need to indicate 3600.
Priority	Integer		Yes	A numeric value is used to determine the priority of the SMS message. A value of 0 has lowest priority while 5 has the highest priority. If value is NULL, system will automatically set priority as normal priority, i.e. 3.

3.3 SEND SMS WITH FOREIGN KEY

3.3.1 METHOD SUMMARY

This method is used to send a single SMS to a single recipient. The SMS can be scheduled to be sent out immediately or at a later time or date. The difference between **SendSMSWithFK** and **SendSMS** is, **SendSMSWithFK** has one more extra column “**ExternalAppIFK**” which links the external application’s database with Inspire-Tech’s database.

Method Name	Return Type	Parameters
SendSMSWithFK	ResultCode As Integer	SendSMSWithFK (<i>userName As String, password As String, toMobile As String, recipientName As String, senderID As String, smsText As String, SMSType As String, Apptype As String, taskName As String, timeOffset As Long, priority As Integer, ExternalApplFK As String</i>)

It returns a numeric value which represents the status of the operation. Please refer to **2.2.3 STATUS RETURN CODES**

SendsSMSWithFK

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
userName:	<input type="text" value="Inspire.Admin"/>
password:	<input type="text" value="Hello1234"/>
toMobile:	<input type="text" value="6590010010"/>
recipientName:	<input type="text" value="Administrator"/>
senderID:	<input type="text" value="Padma"/>
smsText:	<input type="text" value="Test : SendSMS using this method"/>
SMSType:	<input type="text" value="EWAPI"/>
Apptype:	<input type="text" value="EW_Inspire"/>
taskName:	<input type="text" value="Test"/>
timeOffset:	<input type="text" value="60"/>
priority:	<input type="text" value="3"/>
ExternalApplFK:	<input type="text" value="1034"/>

3.3.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
All parameters are same as SEND SMS method except ExternalAppFK.				
ExternalAppFK	String	50	No	This column is used to link between external application and Inspire-Tech's Database. User can send his application's unique value for SMS. This column is mostly used in Status Notifier Window Service to inform the user that the particular unique SMS was sent or Fail.

3.4 SEND SMS WITH EXPIRY PERIOD

3.4.1 METHOD SUMMARY

This method is used to send a single SMS to a single recipient. The SMS can be scheduled to be sent out immediately or at a later time or date. If the message is not delivered before the expiry period, the message will be expired, and the recipient will not receive the message.

Method Name	Return Type	Parameters
SendSMSWithExpiryPeriod	ResultCode As Integer	SendSMSWithExpiryPeriod (<i>userName As String, password As String, toMobile As String, recipientName As String, senderID As String, smsText As String, SMSType As String, Apptype As String, taskName As String, timeOffset As Long, priority As Integer, ExternalApplFK As String, ExpiryPeriod As Integer)</i>

It returns a numeric value which represents the status of the operation. See it on the **2.2.3 STATUS RETURN CODES**

SendSMSWithExpiryPeriod

Test

To test the operation using the HTTP POST protocol, click the 'Invoke' button.

Parameter	Value
userName:	inspire.admin
password:	Hello1234
toMobile:	6590010010
recipientName:	Administrator
senderID:	Padma
smsText:	Test: Send SMS using with expiry period
SMSType:	EWAPI
Apptype:	EW_Inspire
taskName:	test
timeOffset:	0
priority:	3
ExternalApplFK:	1035
ExpiryPeriod:	0 x

3.4.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
All parameters are same as SEND SMS WITH FOREIGN KEY method except ExpiryPeriod.				
ExpiryPeriod	Integer		Yes	0 – SMS does not have any expiry period. More than 0 - SMS has expiry period and if message is not delivered within the stipulated time, the message will not be sent to customer's mobile.

3.5 BULK SMS FOR SAME MESSAGE

3.5.1 METHOD SUMMARY

This method sends a single SMS (i.e. the same SMS message) to multiple recipients. This method allows multiple recipient names and numbers as inputs. This method also helps to reduce network calls.

Method Name	Return Type	Parameters
SendBulkSMSSameMsg	BulkResult As Class	SendBulkSMSSameMsg (<i>userName As String, password As String, toMobile As String, recipientName() As String, senderID As String, smsText As String, smsType As String, appType As String, taskName As String, timeOffset As Long, priority As Integer)</i>
This method returns multiple status parameters. Bulk Result codes see in section 4.3 BULK RESULT STATUS RETURN CODES		

3.5.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
UserName	String	50	Yes	Username of RapidSMS user. (Username consists of <Company Code.Username> e.g. "Inspire.Amy")
Password	String	50	Yes	Password of RapidSMS user
toMobile	String Array	16	Yes	<p>Mobile number of recipient. The number should not have any spaces, '-', or '+', except numeric characters.</p> <p>Local mobile numbers without the prefix will be appended automatically by the API with the default local country code to ensure delivery on the SMS gateway.</p> <p>There is no limitation for array size.</p>
recipient Name	String Array	100	Yes	<p>Name of the recipients. There is no limitation in the array size.</p> <p>Take note: The size of toMobile array and the size of recipientName array should be equal.</p> <p>If the sizes for both arrays are not same then the Batch will not be not queued.</p>
senderID	String	16	Yes	<p>Important: Up to 11 alphanumeric or 16 numeric characters</p> <p>No spaces or special characters are supported</p>
smsText	String	760	Yes	The text message that the recipient will receive. Unicode,

				<p>Latin and Long messages are supported.</p> <p>Please note that if your text contains Unicode, then maximum length of the message will be less than 335. Normal SMS which contains only ANSCII characters is 760.</p>
ChannelName	String	20	Yes	Channel Name used to send MMS.
appType	String	50	Yes	Please leave it blank. This is because RapidSMS has the capability to route messages as a service provider.
taskName	String	50	Yes	<p>Use this value to associate the broadcast name.</p> <p>If value is NULL, the system will automatically generate an ID.</p>
ExtAppFk				
timeOffset	Long		Yes	<p>0 – For immediate delivery, please put 0.</p> <p>Values are in seconds (sec) e.g. if you need to send the message 1 hour from now, you need to indicate 3600.</p>
Priority	Integer		Yes	<p>A numeric value is used to determine the priority of the SMS message. A value of 0 has lowest priority while 5 has the highest priority.</p> <p>If value is NULL, system will automatically set priority as normal priority, i.e. 3.</p>

3.6 BULK SMS FOR DIFFERENT MESSAGE

3.6.1 METHOD SUMMARY

This method is used to send multiple unique messages to multiple recipients.

Method Name	Return Type	Parameters
SendBulkSMSDifferentMsg	BulkResult As Class	SendBulkSMSDifferentMsg (<i>userName</i> As String , <i>password</i> As String , <i>toMobile()</i> As String , <i>recipientName()</i> As String , <i>senderID</i> As String , <i>smsText()</i> As String , <i>smsType</i> As String , <i>appType</i> As String , <i>taskName</i> As String , <i>timeOffset</i> As Long , <i>priority</i> As Integer)
<p>This method returns multiple status parameters. Bulk Result codes see in section 4.3 BULK RESULT STATUS RETURN CODES</p>		

3.6.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
All parameters are same as BULK SMS FOR SAME MESSAGE method except SMS Text column below.				
smsText	String Array	760	Yes	<p>Supports different SMS for different recipient.</p> <p>The text message that recipient will receive. Both Unicode and Latin messages are supported. Long message is also supported.</p> <p>Please note that you can send less characters (even though the length is 760) if your text contains Unicode.</p> <p>If the sizes for mobile numbers, recipient names and SMS text arrays are not same then the Batch will not queue.</p>

4 PUSH SMS METHODS

4.1 BULK PUSH SMS FOR SAME MESSAGE

4.1.1 METHOD SUMMARY

This method sends a single Push SMS (i.e. the same SMS message) to multiple recipients. This method allows multiple recipient names and numbers as inputs. This method helps to reduce network calls.

Method Name	Return Type	Parameters
SendBulkIPSMSSameMsg	BulkResult As Class	SendBulkIPSMSSameMsg (<i>userName</i> As String , <i>password</i> As String , <i>toMobile</i> As String , <i>recipientName</i> As String , <i>senderID</i> As String , <i>smsText</i> As String , <i>SMSType</i> As String , <i>Apptype</i> As String , <i>taskName</i> As String , <i>timeOffset</i> As Long , <i>priority</i> As Integer , <i>ExternalApplFK</i> As String , <i>ChannelName</i> As String)
This method returns multiple status parameters. Bulk Result codes see in section 4.3 BULK RESULT STATUS RETURN CODES		

4.1.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
All parameters are same as BULK SMS FOR SAME MESSAGE method except Channel Name.				
Channel Name	String	25	Yes	Channel name which customer used to send IP SMS to their clients. Assume Inspire-Tech want to send OTP messages using channel name is "Inspire OTP" and marketing messages send using "Inspire Advs." Then channel names are "Inspire OTP" and "Inspire Advs"

4.2 BULK PUSH SMS FOR DIFFERENT MESSAGE

4.2.1 METHOD SUMMARY

This method is used to send multiple unique push messages to multiple recipients. This method allows multiple recipient numbers and multiple numbers as inputs. This method also helps to reduce network calls.

Method Name	Return Type	Parameters
SendBulkIPSMSDifferentMsg Support multiple numbers and recipient names of different message. Use this method to send different Push SMS message to different recipients and reduce network calls.	BulkResult As Class	SendBulkIPSMSDifferentMsg (<i>userName</i> As String , <i>password</i> As String , <i>toMobile</i> As String , <i>recipientName</i> As String , <i>senderID</i> As String , <i>smsText</i> As String , <i>SMSType</i> As String , <i>Apptype</i> As String , <i>taskName</i> As String , <i>timeOffset</i> As Long , <i>priority</i> As Integer , <i>ExternalApplFK</i> As String , <i>ChannelName</i> As String)
This method return the multiple status parameters. Bulk Result codes see in section		

4.3 BULK RESULT STATUS RETURN CODES

4.2.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
All parameters are same as BULK PUSH SMS FOR SAME MESSAGE method except SMS Text column below.				
smsText	String Array	760	Yes	Supports different SMS for different recipient. The text message that recipient will receive. Both Unicode and Latin messages are supported. Long message is also supported. Please note that you can send less characters (even though the length is 760) if your text contains Unicode. If the sizes for mobile numbers, recipient names and SMS text arrays are not same then the Batch will not queue.

4.3 BULK RESULT STATUS RETURN CODES

The below status return codes apply for all the Send BULK SMS methods

Enumerator	Type	Description
IsSuccess	Boolean	The batch is successfully processed. Values are True and False. True : Batch was processed successfully False : There are errors when processing the batch
ErrorCode	ResultCodes	Pease refer to 2.2.3 STATUS RETURN CODES .
ProcessResult	Array of ResultCodes	This array will return the result of each individual SMS. Assume user send batch 50 SMS. It will return array with size of 50. Array will look like {"OK","OK","InvalidMobileNo","OK".....50}

5 MMS METHODS

5.1 SEND MMS

5.1.1 METHOD SUMMARY

This method is used to send same MMS message to multiple recipients. This method allows to configure multiple numbers as inputs and also an alternative SMS content if mobiles are not subscribed to RapidSMS App.

Method Name	Return Type	Parameters
SendMMS Support multiple numbers. Use this method to send same MMS message to different recipients and also reduce network calls.	BulkResult As Class	SendMMS (<i>UserName As String</i> , <i>password As String</i> , <i>ToMobile As String()</i> , <i>SenderID As String</i> , <i>MMSBytes As Byte()</i> , <i>MMSFileName As String</i> , <i>MMSThumbNailBytes As Byte()</i> , <i>MMSAttachments() As Byte</i> , <i>MMSAttFileNames() As String</i> , <i>isSendSMS As Boolean</i> , <i>isAppendMMSLink As Boolean</i> , <i>SMSText As String</i> , <i>ChannelName As String</i> , <i>appType As String</i> , <i>taskName As String</i> , <i>extApplFK As String</i> , <i>timeOffset As Long</i> , <i>priority As Integer</i> , <i>isHTMLMMS As Boolean</i> , <i>MMSText As String</i>)
This method return the multiple status parameters. Bulk Result codes see in section 4.3 BULK RESULT STATUS RETURN CODES		

5.1.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
UserName	String	50	Yes	Username of RapidSMS user. (Username consists of <Company Code.Username> e.g. "Inspire.Amy")
Password	String	50	Yes	Password of RapidSMS user

ToMobile	String Array	16	Yes	<p>Mobile number of recipient. The number should not have any spaces, '-', or '+', except numeric characters.</p> <p>Local mobile numbers without the prefix will be appended automatically by the API with the default local country code to ensure delivery on the SMS gateway.</p> <p>There is no limitation for array size.</p>
senderID	String	16	Yes	<p>Important: Up to 11 alphanumeric or 16 numeric characters</p> <p>No spaces or special characters are supported</p>
MMSBytes	Bytes	5 MB	Yes	<p>Convert HTML MMS content into Bytes.</p> <p>This is also an optional parameter and set value as null if your MMS is not HTML content.</p>
MMSFileName	String	20	Yes	<p>HTML MMS Filename.</p> <p>This is also an optional parameter and set value as empty if your MMS is not HTML content.</p>
MMSThumbNailBytes	Bytes	50 KB	Yes	<p>Convert HTML MMS thumbnail image into Bytes.</p> <p>This is also an optional parameter and set value as null if your MMS is not HTML content.</p> <p><i>Note:</i></p> <p>API can send either HTML MMS or MMS content with</p>

				attachments. Both options at a time is not possible.
MMSAttachments	Array of Bytes	5MB	Yes	<p>Convert MMS attachments into Bytes.</p> <p>System only accept 5 max attachments and all together the files size should not exceed 5MB.</p> <p>And supported only below file formats.</p> <p>doc,docx,xls,xlsx,ppt,pptx,txt,pdf,txt,png,jpeg,Jpg,gif,m4v,mp4, mov,3gp</p>
MMSAttFileNames	String array	20	Yes	Attachment file names. Array size for MMSAttachements and MMSAttFileNames should be same.
isSendSMS	Boolean	0/1	Yes	Assume if end users are not registered to RapidSMS Mobile App but organization want to send an alternative SMS regarding MMS then the value should be True. If not then value should be False.
isAppendMMSLink	Boolean	0/1	Yes	Do you want to append attachment links to SMS content if recipients did not register with RapidSMS Mobile App? If Yes then set as True. If not set as False.
smsText	String	760	Yes	SMS text. Max limit for Unicode characters are 335.
ChannelName	String	20	Yes	Channel Name used to send MMS
	String	100	Yes	EWAPI will be set as default if smsType is not specified.
appType	String	50	Yes	Please leave it blank. This is because RapidSMS has the

				capability to route messages as a service provider.
taskName	String	50	Yes	Use this value to associate the broadcast name. If value is NULL, the system will automatically generate an ID.
extApplFK	String	50	No	This column is used to link between external application and Inspire-Tech's Database. User can send his application's unique value for SMS. This column is mostly used in Status Notifier Window Service to inform the user that the particular unique SMS was sent or Fail.
timeOffset	Long		Yes	0 – For immediate delivery, please put 0. Values are in seconds (sec) e.g. if you need to send the message 1 hour from now, you need to indicate 3600.
Priority	Integer		Yes	A numeric value is used to determine the priority of the SMS message. A value of 0 has lowest priority while 5 has the highest priority. If value is NULL, system will automatically set priority as normal priority, i.e. 3.
IsHtmlMMS	boolean	0/1	Yes	Assume you are sending as HTML MMS then set value as True. If not set as False.
MMSText	String	500	Yes	MMS message when you are sending only attachments.

6 CHECKING OF ACCOUNT INFO VIA WEB SERVICE METHODS

6.1 CHECK USER QUOTA

6.1.1 METHOD SUMMARY

This method is used to check user quota.

Method Name	Return Type	Parameters
CheckQuota	Integer	CheckQuota (<i>userName</i> As String , <i>password</i> As String)
See return status codes in 6.1.3 STATUS RETURN CODES		

6.1.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
UserName	String	50	Yes	Username of RapidSMS user.
Password	String	50	Yes	Password of RapidSMS user.

6.1.3 STATUS RETURN CODES

Return Value	Description
-1	Unable to check user quota due to disconnected network or offline database or invalid user
Greater than zero Assume : 100	100 - User has 100 credits to send SMS
0	User has unlimited quota

6.2 SMS USED

6.2.1 METHOD SUMMARY

This method checks the SMS usage of the user.

Method Name	Return Type	Parameters
SMSUsed	Integer	SMSUsed (userName As String , password As String)
See return status codes in 6.2.3 STATUS RETURN CODES		

6.2.2 PARAMETERS

Field name	Data type	Max Length	Mandatory	Description
UserName	String	50	Yes	Username of RapidSMS user.
Password	String	50	Yes	Password of RapidSMS user.

6.2.3 STATUS RETURN CODES

Return Value	Description
-1	Unable to check user quota due to disconnected network or offline database or invalid user.
Greater than zero Assume: 20	20 - means that user has used 20 SMS credits until now.
0	User did not use any SMS.

7 RECEIVING OF SMS VIA HTTP METHOD

Please provide the URL from your side to your sales coordinator or support personnel from RapidSMS. These are the possible values that we can configure to call your HTTP.

Field name	Data type	Mandatory	Description
fromMobile	String	Yes	The mobile number of the recipient. Up to 16 numeric characters
smsText	String	Yes	The text message that recipient will receive. Unicode, Latin and Long messages are supported.
EESInLogID	Integer	Optional	Unique ID for incoming SMS
ReceiveDateTime	DateTime	Yes	Date and time that SMS is received on RapidSMS system.
companyCode	String	Optional	This value is same as the company code which you use to log into RapidSMS.
companyNumber	String	Optional	This is the number which is allocated for your company and your recipients can send SMS to (e.g., 71122, 90001234)

8 SAMPLE CODES

8.1 ASP.NET SAMPLE CODES

Below are few sample codes to use our API with Asp.Net codes.

```
' **** Declare Status return codes ****
Private Shared Function ProcessResults(ByVal res As mysms.BulkResult) As String

    Dim resText = res.ErrorCode
    If res.ProcessingResult IsNot Nothing Then
        Dim resList As String() = New String(res.ProcessingResult.Length - 1) {}
        For i As Integer = 0 To resList.Length - 1
            resList(i) = res.ProcessingResult(i).ToString()
        Next
        resText = String.Join(",", resList)
    End If
    Return resText
End Function
```

End Function

```
***** SendSMS2 Method *****
Private Sub SendSMS2()

    Try
        Dim myAPI As New mysms.mySMS_SQL()
        Dim res As mysms.ResultCodes

        res = myAPI.SendSMS2("dept.username", "password", "659000001", "User1",
        "InspireTech", "this is test sms for SendSMS2 method", "EWAPI", "", "T1", 0, 3)
        txtReturnResult.Text = res.ToString()

    Catch ex As Exception
        txtReturnResult.Text = ex.Message
    Finally
        myAPI.Dispose()
    End Try
End Sub
```

End Sub

```
***** Send BulkSMS With Same Message *****
Private Sub SendBulkSMSSameMsg()

    Try
        Dim myAPI As New mysms.mySMS_SQL()
        Dim res As mysms.BulkResult
```

```

Dim toMobile() As String = {"6590000001", "6590000002", "6590000003"}
Dim recepName() As String = {"User1", "User2", "User3"}

res = myAPI.SendBulkSMSSameMsg("userid", "password", toMobile, recepName,
"InspireTech", "this is test sms for SendBulkSMSSameMsg", "EWAPI", "", "T3", 0, 3)
If res.IsSuccess Then
    txtReturnResult.Text = ProcessResults(res)
Else
    txtReturnResult.Text = "unable to process batch sms"
End If
Catch ex As Exception
    txtReturnResult.Text = ex.Message
Finally
    myAPI.Dispose()
End Try

End Sub

```

```

'***** Send BulkSMS With different Message *****
Private Sub SendBulkSMSDifferentMsg()

Try
    Dim myAPI As New mysms.mySMS_SQL()
    Dim res As mysms.BulkResult

    Dim toMobile() As String = {"6590000001", "6590000002", "6590000003"}
    Dim recepName() As String = {"User1", "User2", "User3"}
    Dim smsText() As String = {"this is test sms 01", "this is test 02",
"this is test 03"}

    res = myAPI. SendBulkSMSDifferentMsg ("userid", "password", toMobile, recepName,
"InspireTech", smsText, "EWAPI", "", "T3", 0, 3)
    If res.IsSuccess Then
        txtReturnResult.Text = ProcessResults(res)
    Else
        txtReturnResult.Text = "unable to process batch sms"
    End If
Catch ex As Exception
    txtReturnResult.Text = ex.Message
Finally
    myAPI.Dispose()
End Try

End Sub

```

```

'***** Send OTP SMS *****

```

```
Private Sub SendOTPSMS()  
    txtReturnResult.Text = ""  
    Try  
        Dim myAPI As New mysms.mySMS_SQL()  
        Dim res As mysms.ResultCodes  
  
        res = myAPI.SendOTPSMS("username", "password", "6590010010", "User1", "Inspire",  
"Your OTP : XX00YY", "EWAPI", "Otp")  
  
        txtReturnResult.Text = res.ToString()  
  
    Catch ex As Exception  
        txtReturnResult.Text = ex.Message  
    Finally  
        myAPI.Dispose()  
    End Try  
End Sub
```

***** Send IP SMS Same Message *****

```
Private Sub SendIPSMSSameMessage()  
    Try  
  
        Dim myAPI As New mysms.mySMS_SQL()  
        Dim res As mysms.BulkResult  
  
        Dim tomobile As New mysms.ArrayOfString()  
        Dim sp() As String = txtMblNos.Text.Trim.Split(";")  
        For i = 0 To sp.Length - 1  
            tomobile.Add(sp(i))  
        Next  
  
        Dim recepName As New mysms.ArrayOfString()  
        Dim sp1() As String = txtRecpNames.Text.Trim.Split(";")  
        For i = 0 To sp1.Length - 1  
            recepName.Add(sp1(i))  
        Next  
  
        res = myAPI.SendBulkIPSMSSameMsg("username", "password", tomobile, recepName,  
"Inspire", txtSMSText.Text, "EWAPI", "", "TIP01", 0, 5, "", txtChannelName.Text)  
        txtReturnResult.Text = ProcessResults(res)  
  
    Catch ex As Exception  
        txtReturnResult.Text = ex.Message  
    End Try  
End Sub
```



```

    Finally
        myAPI.Dispose()
    End Try

End Sub

```

```

'***** Send IP SMS Different Message for each recipient *****
Private Sub SendIPSMSDifferentMessage()
    Try

        Dim myAPI As New mysms.mySMS_SQL()
        Dim res As mysms.BulkResult

        Dim tomobile As New mysms.ArrayOfString()
        Dim sp() As String = txtMblNos.Text.Trim.Split(";")
        For i = 0 To sp.Length - 1
            tomobile.Add(sp(i))
        Next

        Dim recepName As New mysms.ArrayOfString()
        Dim sp1() As String = txtRecpNames.Text.Trim.Split(";")
        For i = 0 To sp1.Length - 1
            recepName.Add(sp1(i))
        Next

        Dim smsText As New mysms.ArrayOfString()
        Dim sp2() As String = txtSMSText.Text.Trim.Split(";")

        For i = 0 To sp2.Length - 1
            smsText.Add(sp2(i))
        Next

        res = myAPI.SendBulkIPSMSDifferentMsg("username", "password", tomobile,
recepName, "Inspire", smsText, "EWAPI", "", "TIPO2", 0, 5, "", txtChannelName.Text)

        txtReturnResult.Text = ProcessResults(res)

    Catch ex As Exception
        txtReturnResult.Text = ex.Message
    Finally
        myAPI.Dispose()
    End Try
End Sub

```

```
'***** Send MMS Methods *****'
```

```
Public Shared Function GetFileDataInBytes(ByVal fileUpload As FileUpload) As Byte()
    Dim dataBytes(fileUpload.PostedFile.InputStream.Length) As Byte
    fileUpload.PostedFile.InputStream.Read(dataBytes, 0, dataBytes.Length)
    Return dataBytes
End Function
```

```
Protected Sub SendMMS()
```

```
    '// File preparations
    Dim _FileName As New mysms.ArrayOfString
    Dim fileData As New mysms.ArrayOfBase64Binary
    Dim thumbnailBytes As Byte() = Nothing
```

```
    'Get Upload Files
```

```
    If Not fileUpload1.PostedFile Is Nothing And fileUpload1.PostedFile.FileName.Length > 0
    Then        _FileName.Add(Path.GetFileName(Me.fileUpload1.PostedFile.FileName))
                fileData.Add(GetFileDataInBytes(Me.fileUpload1))
    End If
```

```
    If Not fileUpload2.PostedFile Is Nothing And fileUpload2.PostedFile.FileName.Length > 0
    Then        _FileName.Add(Path.GetFileName(Me.fileUpload2.PostedFile.FileName))
                fileData.Add(GetFileDataInBytes(Me.fileUpload2))
    End If
```

```
    If Not fileUpload3.PostedFile Is Nothing And fileUpload3.PostedFile.FileName.Length > 0
    Then        _FileName.Add(Path.GetFileName(Me.fileUpload3.PostedFile.FileName))
                fileData.Add(GetFileDataInBytes(Me.fileUpload3))
    End If
```

```
Try
    Dim myAPI As New mysms.mySMS_SQL()
    Dim res As mysms.BulkResult
    Dim tomobile As New mysms.ArrayOfString()
    Dim sp() As String = txtMblNos.Text.Trim.Split(";")
    For i = 0 To sp.Length - 1
        tomobile.Add(sp(i))
    Next
```

```
    Dim isSendSMS As Boolean = False
    Dim smsText As String = String.Empty
```

```
If txtAlternativeSMS.Text.Trim.Length > 0 Then
    isSendSMS = True
    smsText = txtAlternativeSMS.Text
End If

res = myAPI.SendMMS(("username", "password", tomobile, "Padma", thumbnailBytes, "",
thumbnailBytes, fileData, _FileName, isSendSMS, False, smsText, txtChannelName.Text,
"Api", "TMMS001", String.Empty, 0, 5, False, txtMMSContent.Text)

txtReturnResult.Text = ProcessResults(res)

Catch ex As Exception
    txtReturnResult.Text = ex.Message
Finally
    myAPI.Dispose()
End Try

End Sub
```

9 CONTACT INFO

If you have any queries on the API, please contact us at support@inspire-tech.com