



API INTEGRATION DOCUMENTATION

Integration with RapidSMS via RapidSMS API 2015

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| | | | |

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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 applies 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 recipient. 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</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>ExternalAppIFK</i> As String) |

It returns a numeric value which represents the status of the operation. Please refer to **2.2.3 Status Return Codes**

SendSMSWithFK

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"/> |
| ExternalAppIFK: | <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 ExternalAppIFK. | | | | |
| ExternalAppIFK | 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 | Result Code 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, ExternalAppIFK As String, ExpiryPeriod As Integer</i>) |
| <p>It returns a numeric value which represents the status of the operation. See it on the 2.2.3 Status Return Codes</p> | | |

SendSMSWithExpiryPeriod

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: Send SMS using with expiry period"/> |
| SMSType: | <input type="text" value="EWAPI"/> |
| Apptype: | <input type="text" value="EW_Inspire"/> |
| taskName: | <input type="text" value="test"/> |
| timeOffset: | <input type="text" value="0"/> |
| priority: | <input type="text" value="3"/> |
| ExternalAppFK: | <input type="text" value="1035"/> |
| ExpiryPeriod: | <input style="width: 90%;" type="text" value="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 (ie 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>) |
| <p>This method returns multiple status parameters. Bulk Result codes see in section 4.3 Bulk Result Status Return Codes</p> | | |

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 | Important: Up to 11 alphanumeric or 16 numeric characters |

| | | | | |
|--------------------|---------|-----|-----|--|
| | | | | No spaces or special characters are supported |
| smsText | String | 760 | Yes | <p>The text message that the recipient will receive. Unicode, 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> |
| ExtAppIFk | | | | |
| 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 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 | | |

3.6.2 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 (ie 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 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</i> |

| | | |
|---|--|--|
| | | String , <i>timeOffset</i> As Long , <i>priority</i> As Integer , <i>ExternalAppIFK</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>ExternalAppIFK</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 | <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> |

4.3 Bulk Result Status Return Codes

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

| Enumerator | Type | Description |
|----------------------|----------------------|---|
| IsSuccess | Boolean | <p>The batch is successfully processed. Values are True and False.</p> <p>True : Batch was processed successfully</p> <p>False : There are errors when processing the batch</p> |
| 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</i> ()() <i>As Byte</i> , <i>MMSAttFileNames</i> () <i>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 | Mobile number of recipient. 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. There is no limitation for array size. |
| senderID | String | 16 | Yes | Important: Up to 11 alphanumeric or 16 numeric characters No spaces or special characters are supported |
| MMSBytes | Bytes | 5 MB | Yes | Convert HTML MMS content into Bytes. |

| | | | | |
|--------------------------|----------------|-------|-----|--|
| | | | | <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>Note:</p> <p>API can send either HTML MMS or MMS content with attachments. Both options at a time is not possible.</p> |
| 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><code>doc, docx, xls,xlsx, ppt, pptx, txt, pdf, txt, png, jpeg, Jpg, gif, m4v, mp4, mov, 3gp</code></p> |
| MMSAttFileNames | String array | 20 | Yes | <p>Attachment file names. Array size for MMSAttachments and MMSAttFileNames should be same.</p> |
| isSendSMS | Boolean | 0/1 | Yes | <p>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.</p> |
| isAppendMMSLink | Boolean | 0/1 | Yes | <p>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.</p> |

| | | | | |
|--------------------|---------|-----|-----|--|
| 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. |
| extAppIFK | 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. |
| IsHtmIMMS | 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 (<i>userName</i> As String , <i>password</i> 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

'***** 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

'***** 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
    End Try
End Sub

```



```

        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
    Finally
        myAPI.Dispose()
    End Try

End Sub

'***** Send IP SMS Different Message for each recipient *****
Private Sub SendIPSMSSDifferentMessage()
    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", "", "TIP02", 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 _FilesName 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
        _FilesName.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
        _FilesName.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
        _FilesName.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, _FilesName, 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