



## REST API INTEGRATION GUIDE

Integration with RapidSMS via RapidSMS REST API

Version: 8.0

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## 1 OVERVIEW

This document serves to assist system integrators to integrate and leverage on RapidSMS to **SEND SMS, PUSH** and **MMS** through in the world within few seconds and also **RECEIVE response** from the recipients via SMS or PUSH.

## 2 CONTENT FORMATS

	Description and Details
<b>SMS Format</b>	<p><u>Single SMS:</u> (SMS contains &lt;=160 ASCII or &lt;=70 Unicode characters)</p> <ul style="list-style-type: none"> <li>• <b>160</b> characters for 7Bit default GSM Encoding.</li> <li>• <b>70</b> characters for 16Bit encoding (UNICODE messages)</li> </ul> <p><u>Multiple SMS:</u> (SMS contains &gt;160 ASCII or &gt;70 Unicode characters)</p> <ul style="list-style-type: none"> <li>• <b>152</b> characters for 7Bit default GSM Encoding.</li> <li>• <b>67</b> characters for 16Bit encoding (UNICODE messages)</li> </ul> <p><u>SMS Characters Limitation:</u></p> <ul style="list-style-type: none"> <li>• ASCII: max <b>760</b> Characters only.</li> <li>• Unicode: max <b>335</b> Characters only.</li> </ul> <p><u>Note:</u></p> <p>(The max size per message is 152/67 characters as the 8 remaining characters are reserved for message concatenation according to the SMPP messaging standard. When you send multiple messages, we support up to 5 concatenated messages which gives you 760/335 characters.)</p>
<b>Push Format</b>	<ul style="list-style-type: none"> <li>• Push message content is same as <b>SMS Format</b>.</li> <li>• <b>25</b> Characters for PUSH application name. It supports both 7Bit and 16Bit Encoding.</li> </ul> <p><u>Application Name:</u></p> <p>(The channel name which customer used to send PUSH messages to their own Mobile application or RapidSMS Mobile Application.)</p>

<p><b>MMS Format</b></p>	<ul style="list-style-type: none"> <li>Alternative SMS content is same as <b>SMS Format</b>.</li> <li>For MMS, RapidSMS REST API supports only below formats. (doc,docx,xls,xlsx,ppt,pptx,pdf,txt,png,jpeg,Jpg,gif,m4v,mp4,mov,3gp)</li> <li>At a time can only send max of 5 files. Together all file sizes should not exceed more than <b>5 MB</b>.</li> </ul>
<p><b>Separator for multiple values</b></p>	<p><u>Mobile Numbers &amp; Recipient Names:</u></p> <p>For multiple mobile number use COMMA (,) as a separator.</p> <p>Ex: 6590010011,6590010022,6590010033 Allan,Boby,Collin</p> <p><u>SMS:</u></p> <p>For multiple SMS use " <b>[SMS]</b> " as a separator.</p> <p>Ex: Test SMS 001.[SMS]Test SMS 002.</p>

### 3 SECURITY

<p><b>URL</b></p>	<p>RapidSMS REST API only allows <b>HTTPS</b> requests for all API methods to ensure security.</p>
<p><b>HTTP GET Request length</b></p>	<p>HTTP GET method allows only <b>2000</b> characters.</p>
<p><b>HTTP POST Request length</b></p>	<p>RapidSMS only allows post request until <b>5 MB</b>.</p>

### 4 API METHODS

Below is the list of all SMS, PUSH and MMS Methods.

Description	URL, Request & Response
<b>Method: SendSMS</b>	
<ul style="list-style-type: none"> <li>Send a single SMS at a time.</li> <li>SMS can schedule to future.</li> <li>Priority can be set.</li> </ul>	<p>GET URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendSMS">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendSMS</a></p> <p>POST URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendSMS">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendSMS</a></p> <ul style="list-style-type: none"> <li>Send an SMS using <a href="#">Request</a></li> <li>Receive a <a href="#">Response</a> either in JSON/XML format and ensure by checking <a href="#">Response Codes</a> the SMS sent successfully to RapidSMS.</li> <li><a href="#">Sample Codes</a> are given below how to send SMS and receive Response.</li> </ul>
<b>Method: SendOTPSMS</b>	
<ul style="list-style-type: none"> <li>Send a single SMS at a time.</li> <li>SMS will send immediately</li> <li>It sends as <b>HIGH</b> priority.</li> </ul>	<p>GET URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendOTPSMS">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendOTPSMS</a></p> <p>POST URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendOTPSMS">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendOTPSMS</a></p> <ul style="list-style-type: none"> <li>Send an SMS using <a href="#">Request</a></li> <li>Receive a <a href="#">Response</a> either in JSON/XML format and ensure by checking <a href="#">Response Codes</a> the SMS sent successfully to RapidSMS.</li> <li><a href="#">Sample Codes</a> are given below how to send SMS and receive Response.</li> </ul>
<b>Method: SendBulkSMSSameMsg</b>	
<ul style="list-style-type: none"> <li>Send <u>same SMS</u> to multiple recipients with in a single request.</li> <li>SMS can schedule to future.</li> </ul>	<p>GET URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSSameMsg">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSSameMsg</a></p> <p>POST URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendBulkSMSSameMsg">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendBulkSMSSameMsg</a></p>

<ul style="list-style-type: none"> <li>• Priority can be set.</li> </ul>	<ul style="list-style-type: none"> <li>• Send an Bulk SMS using <a href="#">Request</a></li> <li>• Receive a <a href="#">Response</a> either in JSON/XML format and ensure by checking <a href="#">Response Codes</a> the Bulk SMS sent successfully to RapidSMS.</li> <li>• <a href="#">Sample Codes</a> are given below how to send SMS and receive Response.</li> </ul>
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<p><b>Method: SendBulkSMSDiffMsg</b></p>	
<ul style="list-style-type: none"> <li>• Send a different SMS to multiple recipients with in a single request.</li> <li>• SMS can schedule to future.</li> <li>• Priority can be set.</li> </ul>	<p>GET URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg</a></p> <p>POST URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendBulkSMSDiffMsg">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendBulkSMSDiffMsg</a></p> <ul style="list-style-type: none"> <li>• Send an Bulk SMS using <a href="#">Request</a></li> <li>• Receive a <a href="#">Response</a> either in JSON/XML format and ensure by checking <a href="#">Response Codes</a> the Bulk SMS sent successfully to RapidSMS.</li> <li>• <a href="#">Sample Codes</a> are given below how to send SMS and receive Response.</li> </ul>

<p><b>Method: SendBulkIPSMSSameMsg</b></p>	
<ul style="list-style-type: none"> <li>• Send a same Push message to multiple recipients with in a single request.</li> <li>• Push can schedule to future.</li> <li>• Priority can be set.</li> <li>• Assume if end recipient not registered to Mobile APP then he/she will receive as SMS.</li> <li>• Assume end recipient received Push but not read within 15 minutes</li> </ul>	<p>GET URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPSMSSameMsg">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPSMSSameMsg</a></p> <p>POST URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendBulkIPSMSSameMsg">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendBulkIPSMSSameMsg</a></p> <ul style="list-style-type: none"> <li>• Send an Bulk PUSH using <a href="#">Request</a></li> <li>• Receive a <a href="#">Response</a> either in JSON/XML format and ensure by checking <a href="#">Response Codes</a> the Bulk PUSH sent successfully to RapidSMS.</li> <li>• <a href="#">Sample Codes</a> are given below how to send PUSH and receive Response.</li> </ul>

<p>then RapidSMS will send PUSH as SMS to recipient.</p>	
<p><b>Method: SendBulkIPMSDiffMsg</b></p>	
<ul style="list-style-type: none"> <li>• Send a different Push to multiple recipients with in a single request.</li> <li>• Push can schedule to future.</li> <li>• Priority can be set.</li> <li>• Assume if end recipient not registered to Mobile APP then he/she will receive as SMS.</li> <li>• Assume end recipient received Push but not read within 15 minutes then RapidSMS will send PUSH as SMS to recipient.</li> </ul>	<p>GET URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPMSDiffMsg">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPMSDiffMsg</a></p> <p>POST URL:  <a href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendBulkIPMSDiffMsg">https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS//Post/SendBulkIPMSDiffMsg</a></p> <ul style="list-style-type: none"> <li>• Send an Bulk PUSH using <a href="#">Request</a></li> <li>• Receive a <a href="#">Response</a> either in JSON/XML format and ensure by checking <a href="#">Response Codes</a> the Bulk PUSH sent successfully to RapidSMS.</li> <li>• <a href="#">Sample Codes</a> are given below how to send PUSH and receive Response.</li> </ul>
<p><b>Method: SendMMS</b></p>	
<p><b>Note:</b>  MMS method not yet released, and we will release in future releases.</p>	
<p><b>Receive SMS via HTTP</b></p>	<ul style="list-style-type: none"> <li>• <a href="#">Receive Incoming SMS</a> via HTTP call.</li> </ul>



## 5 API REQUEST & RESPONSE

### 5.1 SENDSMS

A sample request is below,

<https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendSMS?userName=Companycode.userid&password=pass1234&toMobile=659000100&recipientName=Allan&senderId=RapidSMS&smsText=testsms&smsType=S1&taskName=T1&timeOffset=0&priority=3>

A sample response is below,

JSON Response	XML Response
<pre>{   "StatusCode": "OK" }</pre>	<pre>&lt;APIResult xmlns="http://schemas.datacontract.org/2004/07/EWRestAPI" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;StatusCode&gt;OK&lt;/StatusCode&gt; &lt;/APIResult&gt;</pre>

### 5.2 SENDOTPSMS

A sample request is below,

<https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendOTPSMS?userName=Companycode.userid&password=pass1234&toMobile=659000100&recipientName=Allan&senderId=RapidSMS&smsText=testotpsms&taskName=OTP1>

A sample response is below,

JSON Response	XML Response
<pre>{   "StatusCode": "OK" }</pre>	<pre>&lt;APIResult xmlns="http://schemas.datacontract.org/2004/07/EWRestAPI" xmlns:i="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;StatusCode&gt;OK&lt;/StatusCode&gt; &lt;/APIResult&gt;</pre>

### 5.3 SENDBULKSMSSAMEMSG

A sample request is below,

<https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendBulkSMSSameMsg?userName=Companycode.userid&password=pass1234&toMobile=659000100,65900100011,65900010033&recipientName=Allan,Brain,Collan&senderId=RapidSMS&smsText=testbulksmssamemsg&smsType=B1&taskName=Bulk1&timeOffset=0&priority=3>

A sample response is below,

JSON Response	XML Response
<pre>{   "StatusCode": "OK",   "MessagesStatusCodes": ["OK", "OK", "OK"] }</pre>	<pre>&lt;APIResultBulk   xmlns="http://schemas.datacontract.org/2004/07/EWRestAPI"   xmlns:i="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;StatusCode&gt;OK&lt;/StatusCode&gt;   &lt;MessagesStatusCodes     xmlns:a="http://schemas.microsoft.com/2003/10/Serialization/Arrays"&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;   &lt;/MessagesStatusCodes&gt; &lt;/APIResultBulk&gt;</pre>

### 5.4 SENDBULKSMSDIFFMSG

A sample request is below,

[https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg?userName=Companycode.userid&password=pass1234&toMobile=659000100,65900100011,65900010033&recipientName=Allan,Brain,Collan&senderId=RapidSMS&smsText=bulkmessage1\[SMS\]bulkmessage2\[SMS\]bulkmessage3&smsType=B1&taskName=Bulk1&timeOffset=0&priority=3](https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg?userName=Companycode.userid&password=pass1234&toMobile=659000100,65900100011,65900010033&recipientName=Allan,Brain,Collan&senderId=RapidSMS&smsText=bulkmessage1[SMS]bulkmessage2[SMS]bulkmessage3&smsType=B1&taskName=Bulk1&timeOffset=0&priority=3)

A sample response is below,

JSON Response	XML Response
<pre>{   "StatusCode":"OK",   "MessagesStatusCodes":["OK","OK","OK"] }</pre>	<pre>&lt;APIResultBulk   xmlns="http://schemas.datacontract.org/2004/07/EW   RestAPI"   xmlns:i="http://www.w3.org/2001/XMLSchema-   instance"&gt;   &lt;StatusCode&gt;OK&lt;/StatusCode&gt;   &lt;MessagesStatusCodes     xmlns:a="http://schemas.microsoft.com/2003/10/Serial     ization/Arrays"&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;   &lt;/MessagesStatusCodes&gt; &lt;/APIResultBulk&gt;</pre>

### 5.5 SENDBULKIPSMSSAMEMSG

A sample request is below,

<https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendBulkIPSMSSameMsg?userName=Companycode.userid&password=pass1234&toMobile=659000100,65900100011,65900010033&recipientName=Allan,Brain,Collan&senderId=RapidSMS&smsText=testbulksmssamemsg&smsType=B1&taskName=Bulk1&timeOffset=0&priority=3&channelName=Inspire>

A sample response is below,

JSON Response	XML Response
<pre>{   "StatusCode": "OK",   "MessagesStatusCodes": ["OK", "OK", "OK"] }</pre>	<pre>&lt;APIResultBulk   xmlns="http://schemas.datacontract.org/2004/07/EW   RestAPI"   xmlns:i="http://www.w3.org/2001/XMLSchema-   instance"&gt;   &lt;StatusCode&gt;OK&lt;/StatusCode&gt;   &lt;MessagesStatusCodes     xmlns:a="http://schemas.microsoft.com/2003/10/Serial     ization/Arrays"&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;   &lt;/MessagesStatusCodes&gt; &lt;/APIResultBulk&gt;</pre>

### 5.6 SENDBULKIPSMSDIFFMSG

A sample request is below,

[https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendBulkIPMSDiffMsg?userName=Companycode.userid&password=pass1234&toMobile=659000100,65900100011,65900010033&recipientName=Allan,Brain,Collan&senderId=RapidSMS&smsText=bulkmessage1\[SMS\]bulkmessage2\[SMS\]bulkmessage3&smsType=B1&taskName=Bulk1&timeOffset=0&priority=3&channelName=Inspire](https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendBulkIPMSDiffMsg?userName=Companycode.userid&password=pass1234&toMobile=659000100,65900100011,65900010033&recipientName=Allan,Brain,Collan&senderId=RapidSMS&smsText=bulkmessage1[SMS]bulkmessage2[SMS]bulkmessage3&smsType=B1&taskName=Bulk1&timeOffset=0&priority=3&channelName=Inspire)

A sample response is below,

JSON Response	XML Response
<pre>{   "StatusCode":"OK",   "MessagesStatusCodes":["OK","OK","OK"] }</pre>	<pre>&lt;APIResultBulk   xmlns="http://schemas.datacontract.org/2004/07/EW   RestAPI"   xmlns:i="http://www.w3.org/2001/XMLSchema-   instance"&gt;   &lt;StatusCode&gt;OK&lt;/StatusCode&gt;   &lt;MessagesStatusCodes     xmlns:a="http://schemas.microsoft.com/2003/10/Serial     ization/Arrays"&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;     &lt;a:string&gt;OK&lt;/a:string&gt;   &lt;/MessagesStatusCodes&gt; &lt;/APIResultBulk&gt;</pre>

## 6 PARAMETERS

Below is the list of all parameters used for above all methods. All parameters are **Mandatory**.

Parameter Name	Description	Sample Values
<b>API Authentication</b>		
<i>userName</i>	User ID to check for authentication. User id is the combination of company code and user id. Preferred max size is 25 characters.	ABC.Admin01 ABC → Company Code Admin01 → User ID
<i>password</i>	Password for RapidSMS API account. Preferred max size is 20 characters.	Pass1234
<b>Common SMS/PUSH Parameters</b>		
<i>toMobile</i>	Mobile number to send SMS. It could be multiple or single numbers based on Bulk or Single API method. Preferred max size is 16 characters for single mobile number.  <i>For all international mobile numbers should add country code in front of the mobile number. And COMMA is a separator for multiple mobile numbers. Max 100 mobile</i>	<i>Single:</i> 65900100012  <i>Multiple:</i> 65900100012,91900210101,97120220  <i>Invalid number:</i> 1234 (less than 5 numeric digits)

	<i>numbers are supported per batch.</i>	
<i>recipientName</i>	Name of recipients. Preferred max size for each recipient name is 20 characters.	Single: Allan Multiple: Alla,Bob,Peter <i>(for multiple SMS: recipient name and mobile numbers should be same number of mobile numbers.)</i>
<i>senderID</i>	Sender name or number used to send SMS. Sender ID only accepts <b>11</b> Alphanumeric or <b>16</b> numeric characters only.	RapidSMS OR 65900123891
<i>smsText</i>	Text message that recipient will receive. Unicode, Latin and Long messages are supported. Preferred max size for ASCII characters is 760 and Unicode is 335. <i>For multiple SMS use [SMS] as a separator.</i>	Single message: Test message from RapidSMS Server. Multiple Messages: Test Message 1[SMS]Test Message 2 <i>(for multiple different SMS: mobile number, recipient name and SMS content should be same number of mobile numbers.)</i>
<i>smsType</i>	Type of SMS either SMS or Push Or customer own value.	Any text which not exceeds 20 characters
<i>taskName</i>	Use this value to associate the broadcast purpose and to refer the tasks.	Any text which not exceeds 48 characters
<i>timeoffset</i>	Values are in seconds (sec) e.g. if you need to send the	For immediate delivery, please put 0. For future schedule. Specify the value >0.

	message 1 hour from now, you need to indicate 3600.	
<i>priority</i>	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.
<b>Push SMS Parameters</b>		
<i>channelName</i>	Channel name which customer used to send IP SMS to their clients. <i>Channel name is only used for Push SMS or MMS.</i>	Any text which not exceeds 20 characters

## 7 RESPONSE CODES

No.	Enumerator	Description
<b>SMS/Push Response Codes</b>		
1	OK	Successfully SMS queued to RapidSMS Server.
2	InvalidUser	No such user of the email address or user account ID
3	ExceedQuota	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.
4	ErrorInInsert	System error likely cause by database server or the SMS text length exceeds the maximum allowed(760/335)
5	ExceedDivisionQuota	The Division/Company account has reached the allowed quota. This can be resolved by adding more "credits" to Division/Company
6	InvalidBatch	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.



7	InvalidMobileNo	If the mobile number did not meet allowed mobile numbers criteria to send SMS.
8	InvalidSenderID	Sender id did not match to 11 alphanumeric or 16 numeric characters.
<b>Push/MMS Response Codes</b>		
1	ChannelNameEmpty	Empty channel name will not accept for Push and MMS messages
2	InvalidMMS	MMS content is not properly converted into Bytes
3	FileSizeExceeded	MMS File size exceeded
4	MMSSubjectEmpty	Not used. Later versions will remove this error code.
5	SMSTextEmptyCanNotAccept	For MMS, if IsSendSMS = True then SMS text cannot be empty.
6	MMSFileNameOrSizeInvalid	MMS Attachments file size exceeded
7	MMSFileInsertFail	Exception occurred while inserting MMS files into database.

## 8 SAMPLE CODES

### 8.1 SENDSMS

VB.Net (GET Method)	C# (GET Method)
<pre>Dim wc As New WebClient() wc.Headers.Add("Accept", "application/xml") ' Add header for XML output. For JSON this line is not needed.  Dim res As String = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendSMS?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=ABC&amp;smsText=Test SMS 01&amp;smsType=S1&amp;taskName=T1&amp;timeOffset=0&amp;priority=3")</pre>	<pre>WebClient wc = new WebClient(); wc.Headers.Add("Accept", "application/xml"); // Add header for XML output. For JSON this line is not needed.  string res = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendSMS?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=ABC&amp;smsText=Test SMS 01&amp;smsType=S1&amp;taskName=T1&amp;timeOffset=0&amp;priority=3");</pre>
VB.Net (POST Method)	C# (POST Method)
<pre>Dim postData As String = "{""userName"":""demo.Allan"", ""password"":""pass1234"", ""toMobile"":""6590010001"", ""recipientName"":""Allan"", ""senderId"":""Inspire"", ""smsText"":""Test SMS 0001"", ""smsType"":""S1"", ""taskName"":""T001"", ""timeOffset"":""0"", ""priority"":""3"" }"  Dim webRequest As HttpWebRequest = Net.WebRequest.CreateHttp("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendSMS")  Dim data As Byte() = Encoding.ASCII.GetBytes(postData) webRequest.Accept = "application/xml" ' Accept is needed only for XML output. For JSON this line is not needed.  webRequest.Method = "POST" webRequest.ContentType = "application/json" webRequest.ContentLength = data.Length  Dim reqStream As System.IO.Stream = webRequest.GetRequestStream() reqStream.Write(data, 0, data.Length)  Dim respStream = webRequest.GetResponse().GetResponseStream() Dim res As String = (New StreamReader(respStream)).ReadToEnd()</pre>	<pre>string postData = "{\\"userName\\":\\"demo.Allan\\", \\"password\\":\\"pass1234\\", \\"toMobile\\":\\"6590010001\\", \\"recipientName\\":\\"Allan\\", \\"senderId\\":\\"Inspire\\", \\"smsText\\":\\"Test SMS 0001\\", \\"smsType\\":\\"S1\\", \\"taskName\\":\\"T001\\", \\"timeOffset\\":\\"0\\", \\"priority\\":\\"3\\"}";  HttpWebRequest webRequest = Net.WebRequest.CreateHttp("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendSMS");  byte[] data = Encoding.ASCII.GetBytes(postData); webRequest.Accept = "application/xml"; //Accept is needed only for XML output. For JSON this line is not needed.  webRequest.Method = "POST"; webRequest.ContentType = "application/json"; webRequest.ContentLength = data.Length;  System.IO.Stream reqStream = webRequest.GetRequestStream(); reqStream.Write(data, 0, data.Length);  dynamic respStream = webRequest.GetResponse().GetResponseStream();</pre>

	<pre>string res = (new StreamReader(respStream)).ReadToEnd();</pre>
<b>PHP (GET Method)</b> <pre>&lt;?php \$smsText = urlencode("Test SMS 001"); \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendSMS?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=ABC&amp;smsType=S1&amp;taskName=T001&amp;timeOffset=0&amp;priority=3&amp;smsText=' . \$smsText; \$result = file_get_contents(\$url);  /* file_get_contents returns the read data or FALSE on failure. */ if (\$result === FALSE) { /* Handle error */ } ?&gt;</pre>	<b>Ruby (GET Method)</b> <pre>require "net/https" require "uri"  uri = URI.parse(URI.encode('https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendSMS?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=ABC&amp;smsText=Test SMS 001&amp;smsType=S1&amp;taskName=T001&amp;timeOffset=0&amp;priority=3')) http = Net::HTTP.new(uri.host, uri.port) http.use_ssl = true  req = Net::HTTP::Get.new(uri.request_uri)  res = http.request(request)</pre>
<b>PHP (POST Method)</b> <pre>&lt;?php \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendSMS'; \$data = addPostFields(array(   'userName' =&gt; 'demo.Allan',   'password' =&gt; 'pass1234',   'toMobile' =&gt; '6590010011',   'recipientName' =&gt; 'Allan',   'senderId' =&gt; 'ABC',   'smsText' =&gt; 'Test SMS 001',   'smsType' =&gt; 'S1',   'taskName' =&gt; 'T001',   'timeOffset' =&gt; '0',   'priority' =&gt; '3' )); \$options = array(   'http' =&gt; array(     'header' =&gt; "Content-type: application/json\r\n",     'method' =&gt; 'POST',     'content' =&gt; json_encode(\$data)   ) );</pre>	<b>Ruby (POST Method)</b> <pre>require 'uri' require 'net/http' require 'net/https' require 'json'  @postData = {   "userName" =&gt; "demo.Allan",   "password" =&gt; "pass1234",   "toMobile" =&gt; "6590010011",   "recipientName" =&gt; "Allan",   "senderId" =&gt; "ABC",   "smsText" =&gt; "Test SMS 001",   "smsType" =&gt; "S1",   "taskName" =&gt; "T001",   "timeOffset" =&gt; "0",   "priority" =&gt; "3" }.to_json  uri = URI.parse("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendSMS") https = Net::HTTP.new(uri.host,uri.port) https.use_ssl = true</pre>

<pre> \$context = stream_context_create(\$options); \$result = file_get_contents(\$url, false, \$context);  /* file_get_contents returns the read data or FALSE on failure. */ if (\$result === FALSE) { /* Handle error */ } ?&gt; </pre>	<pre> req = Net::HTTP::Post.new(uri.path, initheader = {'Content-Type' =&gt; 'application/json'}) req.body = "[ #{@postData} ]" res = https.request(req) </pre>
<p><b>Java (Get Method)</b></p> <pre> WebResource resource = client.resource("https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendSMS?userName=demo.comp any&amp;password=pass123&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=RapidSMS&amp;sm sText=testsms&amp;smsType=S1&amp;taskName=T1&amp;timeOffset=0&amp;priority=3");     ClientResponse response = resource.get(ClientResponse.class);     if(response.getStatus() == 200)     {         String output = response.getEntity(String.class);         System.out.println(output);     } </pre>	<p><b>Java (POST Method)</b></p> <pre> String postData = "{\"userName\":\"demo.company\", \"password\":\"pass123\", \"toMobile\":\"6591000111\", \"recipientName\":\"Allan\", \"senderId\":\"Inspire\", \"smsText\":\"Test SMS 0001\", \"smsType\":\"S1\", \"taskName\":\"T001\", \"timeOffset\":\"0\", \"priority\":\"3\"}";      String urlString = "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendSMS";         URL url = new URL(urlString);         HttpURLConnection conn = (HttpURLConnection) url.openConnection();          conn.setDoOutput(true);         conn.setRequestMethod("POST");         conn.setRequestProperty("Content-Type", "application/json");          String input = postData;          OutputStream os = conn.getOutputStream();         os.write(input.getBytes());         os.flush();          if (conn.getResponseCode() != HttpURLConnection.HTTP_CREATED) {             throw new RuntimeException("Failed : HTTP error code : "                 + conn.getResponseCode());         }          BufferedReader br = new BufferedReader(new InputStreamReader( conn.getInputStream())); </pre>

## 8.2 SENDOTPSMS

VB.Net Codes (GET Method)	C# Codes (GET Method)
<pre>Dim wc As New WebClient() wc.Headers.Add("Accept", "application/xml") ' Add header for XML output. For JSON this line is not needed.  Dim res As String = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendOTPSMS?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=ABC&amp;smsText=Test OTPSMS&amp;taskName=OTP1")</pre>	<pre>WebClient wc = new WebClient(); wc.Headers.Add("Accept", "application/xml"); // Add header for XML output. For JSON this line is not needed.  string res = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendOTPSMS?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=ABC&amp;smsText=Test OTPSMS&amp;taskName=OTP1");</pre>
VB.Net Codes (POST Method)	C# Codes (POST Method)
<pre>Dim postData As String = "{""userName"":""demo.Allan"", ""password"":""pass1234"", ""toMobile"":""6590010001"", ""recipientName"":""Allan"", ""senderId"":""Inspire"", ""smsText"":""Test OTPSMS 01"", ""taskName"":""OTP1"" }"  Dim webRequest As HttpWebRequest = Net.WebRequest.CreateHttp("Https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendOTPSMS")  Dim data As Byte() = Encoding.ASCII.GetBytes(postData) webRequest.Accept = "application/xml" ' Accept is needed only for XML output. For JSON this line is not needed.  webRequest.Method = "POST" webRequest.ContentType = "application/json" webRequest.ContentLength = data.Length  Dim reqStream As System.IO.Stream = webRequest.GetRequestStream() reqStream.Write(data, 0, data.Length)  Dim respStream = webRequest.GetResponse().GetResponseStream() Dim res As String = (New StreamReader(respStream)).ReadToEnd()</pre>	<pre>string postData = "{\userName\": \"demo.Allan\", \"password\": \"pass1234\", \"toMobile\": \"6590010001\", \"recipientName\": \"Allan\", \"senderId\": \"Inspire\", \"smsText\": \"Test OTPSMS 01\", \"taskName\": \"OTP1\"}";  HttpWebRequest webRequest = Net.WebRequest.CreateHttp("Https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendOTPSMS");  byte[] data = Encoding.ASCII.GetBytes(postData); webRequest.Accept = "application/xml"; //Accept is needed only for XML output. For JSON this line is not needed.  webRequest.Method = "POST"; webRequest.ContentType = "application/json"; webRequest.ContentLength = data.Length;  System.IO.Stream reqStream = webRequest.GetRequestStream(); reqStream.Write(data, 0, data.Length);  dynamic respStream = webRequest.GetResponse().GetResponseStream();  string res = (new StreamReader(respStream)).ReadToEnd();</pre>

PHP Codes (GET Method)	Ruby Codes (GET Method)
<pre>&lt;?php \$smsText = urlencode("Test OTP SMS"); \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendOTPSMS?userName=demo.Allan&amp;password= pass1234&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=ABC&amp;taskName=OTP1&amp;smsText=' . \$smsText; \$result = file_get_contents(\$url);  /* file_get_contents returns the read data or FALSE on failure. */ if (\$result === FALSE) { /* Handle error */ } ?&gt;</pre>	<pre>require "net/https" require "uri"  uri = URI.parse(URI.encode('https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendOTPSMS?userName= demo.Allan&amp;password=pass1234&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=ABC &amp;smsText=Test OTP SMS&amp;taskName=OTP1')) http = Net::HTTP.new(uri.host, uri.port) http.use_ssl = true  req = Net::HTTP::Get.new(uri.request_uri)  res = http.request(request)</pre>
PHP Codes (POST Method)	Ruby Codes (POST Method)
<pre>&lt;?php \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendOTPSMS'; \$data = addPostFields(array(   'userName' =&gt; 'demo.Allan',   'password' =&gt; 'pass1234',   'toMobile' =&gt; '6590010011',   'recipientName' =&gt; 'Allan',   'senderId' =&gt; 'ABC',   'smsText' =&gt; 'Test OTP SMS',   'taskName' =&gt; 'OTP1' )); *** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</pre>	<pre>require 'uri' require 'net/http' require 'net/https' require 'json'  @postData = {   "userName" =&gt; "demo.Allan",   "password" =&gt; "pass1234",   "toMobile" =&gt; "6590010011",   "recipientName" =&gt; "Allan",   "smsText" =&gt; "Test OTP SMS",   "taskName" =&gt; "OTP1" }.to_json uri = URI.parse("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendOTPSMS") *** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</pre>
Java (Get Method)	Java (POST Method)
<pre>WebResource resource = client.resource("https://si.rapidsms.net/restapi/SMSAPI.svc/SMS/SendOTPSMS?userName=demo.co mpany&amp;password=pass123&amp;toMobile=6590010011&amp;recipientName=Allan&amp;senderId=RapidSMS &amp;smsText=testsms&amp;taskName=T1")</pre>	<pre>String postData = "{ \"userName\": \"demo.company\", \"password\": \"pass123\",   \"toMobile\": \"6591000111\", \"recipientName\": \"Allan\", \"senderId\": \"Inspire\",   \"smsText\": \"Test SMS 0001\", \"taskName\": \"T001\"}"; String urlString = "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendOTPSMS";</pre>

\*\*\* The rest of the codes are same as [SendSMS](#) methods \*\*\*

\*\*\* The rest of the codes are same as [SendSMS](#) methods \*\*\*

### 8.3 SENDBULKSMSSAMEMSG

VB.Net Codes (GET Method)	C# Codes (GET Method)
<pre>Dim wc As New WebClient() wc.Headers.Add("Accept", "application/xml") ' Add header for XML output ONLY.  Dim res As String = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSSameMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsText=Test bulk SMS Same msg 01&amp;smsType=S1&amp;taskName=B1&amp;timeOffset=0&amp;priority=3")</pre>	<pre>WebClient wc = new WebClient(); wc.Headers.Add("Accept", "application/xml"); // Add header for XML output ONLY.  string res = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSSameMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsText=Test Bulk Same 1&amp;smsType=S1&amp;taskName=B1&amp;timeOffset=0&amp;priority=3");</pre>
VB.Net Codes (POST Method)	C# Codes (POST Method)
<pre>Dim postData As String = "{""userName"":""demo.Allan"", ""password"":""pass1234"", ""toMobile"":""6590010001,65900100012"", ""recipientName"":""Allan,Brain"", ""senderId"":""Inspire"", ""smsText"":""Test BulkSMS SameMsg1"", ""smsType"":""S1"", ""taskName"":""B1"", ""timeOffset"":""0"", ""priority"":""3"" }"  Dim webRequest As HttpWebRequest = Net.WebRequest.CreateHttp("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSSameMsg")</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> and <a href="#">SendOTPSMS</a> methods ***</p>	<pre>string postData = "{\userName\": \"demo.Allan\", \"password\": \"pass1234\", \"toMobile\": \"6590010001,65900100012\", \"recipientName\": \"Allan,Brain\", \"senderId\": \"Inspire\", \"smsText\": \"Test BulkSMS SameMsg1\", \"smsType\": \"S1\", \"taskName\": \"B1\", \"timeOffset\": \"0\", \"priority\": \"3\" }";  HttpWebRequest webRequest = Net.WebRequest.CreateHttp("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSSameMsg");</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> and <a href="#">SendOTPSMS</a> methods ***</p>

PHP Codes (GET Method)	Ruby Codes (GET Method)
<pre>&lt;?php \$smsText = urlencode("Test Bulk SMS Same Msg 001"); \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSSameMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsType=S1&amp;taskName=B001&amp;timeOffset=0&amp;priority=3&amp;smsText='.\$smsText; \$result = file_get_contents(\$url);  /* file_get_contents returns the read data or FALSE on failure. */ if (\$result === FALSE) { /* Handle error */ } ?&gt;</pre>	<pre>require "net/https" require "uri"  uri = URI.parse(URI.encode('https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSSameMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsText=Test Bulk SMS Same Msg 001&amp;smsType=S1&amp;taskName=B001&amp;timeOffset=0&amp;priority=3')) http = Net::HTTP.new(uri.host, uri.port) http.use_ssl = true  req = Net::HTTP::Get.new(uri.request_uri)  res = http.request(request)</pre>
PHP Codes (POST Method)	Ruby Codes (POST Method)
<pre>&lt;?php \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSSameMsg'; \$data = addPostFields(array(   'userName' =&gt; 'demo.Allan',   'password' =&gt; 'pass1234',   'toMobile' =&gt; '6590010011,6590010012',   'recipientName' =&gt; 'Allan,Brain',   'senderId' =&gt; 'ABC',   'smsText' =&gt; 'Test Bulk SMS Same Msg 001',   'smsType' =&gt; 'S1',   'taskName' =&gt; 'B001',   'timeOffset' =&gt; '0',   'priority' =&gt; '3' )); *** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</pre>	<pre>require 'uri' require 'net/http' require 'net/https' require 'json'  @postData = {   "userName" =&gt; "demo.Allan",   "password" =&gt; "pass1234",   "toMobile" =&gt; "6590010011,6590010012",   "recipientName" =&gt; "Allan,Brain",   "senderId" =&gt; "ABC",   "smsText" =&gt; "Test Bulk SMS Same Msg 001",   "smsType" =&gt; "S1",   "taskName" =&gt; "B001",   "timeOffset" =&gt; "0",   "priority" =&gt; "3" }.to_json  uri = URI.parse("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSSameMsg") *** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</pre>



Java (Get Method)	Java (POST Method)
<pre>WebResource resource = client.resource("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSSameMsg?userNam e=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Br ain&amp;senderId=ABC&amp;smsText=Test bulk SMS Same msg 01&amp;smsType=S1&amp;taskName=B1&amp;timeOffset=0&amp;priority=3");</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</p>	<pre>String postData = "{\"userName\":\"demo.company\", \"password\":\"pass123\", \"toMobile\":\"6590010001,65900100012\", \"recipientName\":\"Allan,Brain\", \"senderId\":\"Inspire\", \"smsText\":\"Test SMS 0001\", \"smsType\":\"S1\", \"taskName\":\"T001\", \"timeOffset\":\"0\", \"priority\":\"3\"}"; String urlString = "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSSameMsg";</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</p>

## 8.4 SENDBULKSMSDIFFMSG

VB.Net Codes (GET Method)	C# Codes (GET Method)
<pre>Dim wc As New WebClient() wc.Headers.Add("Accept", "application/xml") ' Add header for XML output ONLY.</pre> <pre>Dim res As String = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg?userName=demo.Allan&amp;pa ssword=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC &amp;smsText=Allan Msg1[SMS]Brain Msg1&amp;smsType=S1&amp;taskName=B2&amp;timeOffset=0&amp;priority=3")</pre>	<pre>WebClient wc = new WebClient(); wc.Headers.Add("Accept", "application/xml"); // Add header for XML output ONLY.</pre> <pre>string res = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg?userName=demo.Allan&amp;p assword=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=A BC&amp;smsText= Allan Msg1[SMS]Brain Msg1&amp;smsType=S1&amp;taskName=B2&amp;timeOffset=0&amp;priority=3");</pre>
VB.Net Codes (POST Method)	C# Codes (POST Method)
<pre>Dim postData As String = "{\"userName\":\"demo.Allan\", \"password\":\"pass1234\", \"toMobile\":\"6590010001,65900100012\", \"recipientName\":\"Allan,Brain\", \"senderId\":\"Inspire\", \"smsText\":\" Allan Msg1[SMS]Brain Msg1\", \"smsType\":\"S1\", \"taskName\":\"B2\", \"timeOffset\":\"0\", \"priority\":\"3\"}";</pre> <pre>Dim webRequest As HttpWebRequest = Net.WebRequest.CreateHttp("Https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSDi ffMsg")</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> and <a href="#">SendOTPSMS</a> methods ***</p>	<pre>string postData = "{\"userName\":\"demo.Allan\", \"password\":\"pass1234\", \"toMobile\":\"6590010001,65900100012\", \"recipientName\":\"Allan,Brain\", \"senderId\":\"Inspire\", \"smsText\":\" Allan Msg1[SMS]Brain Msg1\", \"smsType\":\"S1\", \"taskName\":\"B2\", \"timeOffset\":\"0\", \"priority\":\"3\"}";</pre> <pre>HttpRequest webRequest = Net.WebRequest.CreateHttp("Https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMS DiffMsg");</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> and <a href="#">SendOTPSMS</a> methods ***</p>

PHP Codes (GET Method)	Ruby Codes (GET Method)
<pre> &lt;?php \$smsText = urlencode("Allan Msg1[SMS]Brain Msg1"); \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsType=S1&amp;taskName=B002&amp;timeOffset=0&amp;priority=3&amp;smsText=:'.\$smsText; \$result = file_get_contents(\$url);  /* file_get_contents returns the read data or FALSE on failure. */ if (\$result === FALSE) { /* Handle error */ } ?&gt; </pre>	<pre> require "net/https" require "uri"  uri = URI.parse(URI.encode('https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsText=Allan Msg1[SMS]Brain Msg1&amp;smsType=S1&amp;taskName=B002&amp;timeOffset=0&amp;priority=3')) http = Net::HTTP.new(uri.host, uri.port) http.use_ssl = true req = Net::HTTP::Get.new(uri.request_uri) res = http.request(request) </pre>
PHP Codes (POST Method)	Ruby Codes (POST Method)
<pre> &lt;?php \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSDiffMsg'; \$data = addPostFields(array(   'userName' =&gt; 'demo.Allan',   'password' =&gt; 'pass1234',   'toMobile' =&gt; '6590010011,6590010012',   'recipientName' =&gt; 'Allan,Brain',   'senderId' =&gt; 'ABC',   'smsText' =&gt; 'Allan Msg1[SMS]Brain Msg1',   'smsType' =&gt; 'S1',   'taskName' =&gt; 'B002',   'timeOffset' =&gt; '0',   'priority' =&gt; '3' )); *** The rest of the codes are same as <a href="#">SendSMS</a> methods *** </pre>	<pre> require 'uri' require 'net/http' require 'net/https' require 'json'  @postData = {   "userName" =&gt; "demo.Allan",   "password" =&gt; "pass1234",   "toMobile" =&gt; "6590010011,6590010012",   "recipientName" =&gt; "Allan,Brain",   "senderId" =&gt; "ABC",   "smsText" =&gt; "Allan Msg1[SMS]Brain Msg1",   "smsType" =&gt; "S1",   "taskName" =&gt; "B002",   "timeOffset" =&gt; "0",   "priority" =&gt; "3" }.to_json  uri = URI.parse("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSDiffMsg") *** The rest of the codes are same as <a href="#">SendSMS</a> methods *** </pre>

Java (Get Method)	Java (POST Method)
<pre>WebResource resource = client.resource("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkSMSDiffMsg?userName =demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsText=Test SMS1[SMS]Test SMS2&amp;smsType=S1&amp;taskName=B1&amp;timeOffset=0&amp;priority=3");</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</p>	<pre>String postData = "{\"userName\":\"demo.company\", \"password\":\"pass123\", \"toMobile\":\"6590010001,65900100012\", \"recipientName\":\"Allan,Brain\", \"senderId\":\"Inspire\", \"smsText\":\"Test SMS1[SMS]Test SMS2\", \"smsType\":\"S1\", \"taskName\":\"T001\", \"timeOffset\":\"0\", \"priority\":\"3\"}"; String urlString = "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkSMSDiffMsg";</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</p>

## 8.5 SENDBULKIPSMSSAMEMSG

VB.Net Codes (GET Method)	C# Codes (GET Method)
<pre>Dim wc As New WebClient() wc.Headers.Add("Accept", "application/xml") ' Add header for XML output ONLY.</pre> <pre>Dim res As String = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPSMSSameMsg?userName=demo.Allan &amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId= ABC&amp;smsText=Test bulkIPSMS Same msg 01&amp;smsType=S1&amp;taskName=B3&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS")</pre>	<pre>WebClient wc = new WebClient(); wc.Headers.Add("Accept", "application/xml"); // Add header for XML output ONLY.</pre> <pre>string res = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPSMSSameMsg?userName=demo.Alla n&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderI d=ABC&amp;smsText=Test BulkIPSMS Same 1&amp;smsType=S1&amp;taskName=B3&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS");</pre>
VB.Net Codes (POST Method)	C# Codes (POST Method)
<pre>Dim postData As String = "{\"userName\":\"demo.Allan\", \"password\":\"pass1234\", \"toMobile\":\"6590010001,65900100012\", \"recipientName\":\"Allan,Brain\", \"senderId\":\"Inspire\", \"smsText\":\"Test BulkIPSMS SameMsg1\", \"smsType\":\"S1\", \"taskName\":\"B3\", \"timeOffset\":\"0\", \"priority\":\"3\", \"channelName\":\"RapidSMS\"}"</pre> <pre>Dim webRequest As HttpWebRequest = Net.WebRequest.CreateHttp("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPSMS SameMsg")</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> and <a href="#">SendOTPSMS</a> methods ***</p>	<pre>string postData = "{\"userName\":\"demo.Allan\", \"password\":\"pass1234\", \"toMobile\":\"6590010001,65900100012\", \"recipientName\":\"Allan,Brain\", \"senderId\":\"Inspire\", \"smsText\":\"Test BulkIPSMS SameMsg1\", \"smsType\":\"S1\", \"taskName\":\"B3\", \"timeOffset\":\"0\", \"priority\":\"3\", \"channelName\":\"RapidSMS\"}";</pre> <pre>HttpWebRequest webRequest = Net.WebRequest.CreateHttp("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPS MSSameMsg");</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> and <a href="#">SendOTPSMS</a> methods ***</p>

PHP Codes (GET Method)	Ruby Codes (GET Method)
<pre>&lt;?php \$smsText = urlencode("Test Bulk IPSMS Same Msg 001"); \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPSMSSameMsg?userName=demo.Allan &amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId= ABC&amp;smsType=S1&amp;taskName=B003&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS&amp;smsTex t='.\$smsText; \$result = file_get_contents(\$url);  /* file_get_contents returns the read data or FALSE on failure. */ if (\$result === FALSE) { /* Handle error */ } ?&gt;</pre>	<pre>require "net/https" require "uri"  uri = URI.parse(URI.encode('https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPSMSSameMsg? userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientNam e=Allan,Brain&amp;senderId=ABC&amp;smsText=Test Bulk IPSMS Same Msg 001&amp;smsType=S1&amp;taskName=B003&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS')) http = Net::HTTP.new(uri.host, uri.port) http.use_ssl = true req = Net::HTTP::Get.new(uri.request_uri) res = http.request(request)</pre>
PHP Codes (POST Method)	Ruby Codes (POST Method)
<pre>&lt;?php \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPSMSSameMsg'; \$data = addPostFields(array(   'userName' =&gt; 'demo.Allan',   'password' =&gt; 'pass1234',   'toMobile' =&gt; '6590010011,6590010012',   'recipientName' =&gt; 'Allan,Brain',   'senderId' =&gt; 'ABC',   'smsText' =&gt; ' Test Bulk IPSMS Same Msg 001',   'smsType' =&gt; 'S1',   'taskName' =&gt; 'B003',   'timeOffset' =&gt; '0',   'priority' =&gt; '3',   'channelName' =&gt; 'RapidSMS' )); *** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</pre>	<pre>require 'uri' require 'net/http' require 'net/https' require 'json'  @postData = {   "userName" =&gt; "demo.Allan",   "password" =&gt; "pass1234",   "toMobile" =&gt; "6590010011,6590010012",   "recipientName" =&gt; "Allan,Brain",   "senderId" =&gt; "ABC",   "smsText" =&gt; "Test Bulk IPSMS Same Msg 001",   "smsType" =&gt; "S1",   "taskName" =&gt; "B003",   "timeOffset" =&gt; "0",   "priority" =&gt; "3",   "channelName" =&gt; "RapidSMS" }.to_json uri = URI.parse("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPSMSSameMsg") *** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</pre>
Java (Get Method)	Java (POST Method)
<pre>WebResource resource = client.resource(<a \\"password\\":\\"pass123\\",="" \\"recipientname\\":\\"allan,brain\\",<="" \\"tomobile\\":\\"6590010001,65900100012\\",="" href="https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPSMSSameMsg?userNa me=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,&lt;/a&gt;&lt;/pre&gt; &lt;/td&gt; &lt;td&gt; &lt;pre&gt;String postData = " pre="" {\\"username\\":\\"demo.company\\",=""> </a></pre>	

<p><a href="#">Brain&amp;senderId=ABC&amp;smsText=Test bulk SMS Same msg 01&amp;smsType=S1&amp;taskName=B1&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS</a>);</p> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</p>	<pre>\senderId\:"Inspire\", \smsText\:"Test SMS 0001\", \smsType\:"S1\", \taskName\:"T001\", \timeOffset\:"0\", \priority\:"3\", \channelName\:"RapidSMS"}"; String urlString = "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPSMSSameMsg";</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</p>
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## 8.6 SENDBULKIPMSDIFFMSG

VB.Net Codes (GET Method)	C# Codes (GET Method)
<pre>Dim wc As New WebClient() wc.Headers.Add("Accept", "application/xml") ' Add header for XML output ONLY.  Dim res As String = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPMSDiffMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsText=Allan IPSMS1[SMS]Brain IPSMS 1&amp;smsType=S1&amp;taskName=B4&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS")</pre>	<pre>WebClient wc = new WebClient(); wc.Headers.Add("Accept", "application/xml"); // Add header for XML output ONLY.  string res = wc.DownloadString( "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPMSDiffMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsText=Allan IPSMS1[SMS]Brain IPSMS 1&amp;smsType=S1&amp;taskName=B4&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS");</pre>
VB.Net Codes (POST Method)	C# Codes (POST Method)
<pre>Dim postData As String = "{""userName"":""demo.Allan"", ""password"":""pass1234"", ""toMobile"":""6590010001,65900100012"", ""recipientName"":""Allan,Brain"", ""senderId"":""Inspire"", ""smsText"":""Allan IPSMS1[SMS]Brain IPSMS 1"", ""smsType"":""S1"", ""taskName"":""B4"", ""timeOffset"":""0"", ""priority"":""3"", ""channelName"":""RapidSMS""}"  Dim webRequest As HttpWebRequest = Net.WebRequest.CreateHttp("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPMSDiffMsg")</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> and <a href="#">SendOTPSMS</a> methods ***</p>	<pre>string postData = "{\userName\:"demo.Allan\", \password\:"pass1234\", \toMobile\:"6590010001,65900100012\", \recipientName\:"Allan,Brain\", \senderId\:"Inspire\", \smsText\:"Allan IPSMS1[SMS]Brain IPSMS 1\", \smsType\:"S1\", \taskName\:"B4\", \timeOffset\:"0\", \priority\:"3\", \channelName\:"RapidSMS"}";  HttpWebRequest webRequest = Net.WebRequest.CreateHttp("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPMSDiffMsg");</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> and <a href="#">SendOTPSMS</a> methods ***</p>

PHP Codes (GET Method)	Ruby Codes (GET Method)
<pre>&lt;?php \$txt = urlencode("Allan IPSMS1[SMS]Brain IPSMS1"); \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPMSMDiffMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsType=S1&amp;taskName=B004&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS&amp;&amp;channelName=RapidSMS&amp;smsText='.\$txt; \$result = file_get_contents(\$url);  /* file_get_contents returns the read data or FALSE on failure. */ if (\$result === FALSE) { /* Handle error */ } ?&gt;</pre>	<pre>require "net/https" require "uri"  uri = URI.parse(URI.encode('https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPMSMDiffMsg?userName=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Brain&amp;senderId=ABC&amp;smsText=Allan IPSMS1[SMS]Brain IPSMS1&amp;smsType=S1&amp;taskName=B004&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS')) http = Net::HTTP.new(uri.host, uri.port) http.use_ssl = true  req = Net::HTTP::Get.new(uri.request_uri)  res = http.request(request)</pre>
PHP Codes (POST Method)	Ruby Codes (POST Method)
<pre>&lt;?php \$url = 'https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPMSMDiffMsg'; \$data = addPostFields(array(   'userName' =&gt; 'demo.Allan',   'password' =&gt; 'pass1234',   'toMobile' =&gt; '6590010011,6590010012',   'recipientName' =&gt; 'Allan,Brain',   'senderId' =&gt; 'ABC',   'smsText' =&gt; 'Allan IPSMS1[SMS]Brain IPSMS1',   'smsType' =&gt; 'S1',   'taskName' =&gt; 'B004',   'timeOffset' =&gt; '0',   'priority' =&gt; '3',   'channelName' =&gt; 'RapidSMS' )); *** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</pre>	<pre>require 'uri' require 'net/http' require 'net/https' require 'json' @postData = {   "userName" =&gt; "demo.Allan",   "password" =&gt; "pass1234",   "toMobile" =&gt; "6590010011,6590010012",   "recipientName" =&gt; "Allan,Brain",   "senderId" =&gt; "ABC",   "smsText" =&gt; "Allan IPSMS1[SMS]Brain IPSMS1",   "smsType" =&gt; "S1",   "taskName" =&gt; "B004",   "timeOffset" =&gt; "0",   "priority" =&gt; "3",   "channelName" =&gt; "RapidSMS" }.to_json uri = URI.parse("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPMSMDiffMsg") *** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</pre>

Java (Get Method)	Java (POST Method)
<pre>WebResource resource = client.resource("https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/SendBulkIPMSDifffMsg?userNam e=demo.Allan&amp;password=pass1234&amp;toMobile=6590010011,6590010012&amp;recipientName=Allan,Br ain&amp;senderId=ABC&amp;smsText=Test SMS1[SMS]Test SMS2&amp;smsType=S1&amp;taskName=B1&amp;timeOffset=0&amp;priority=3&amp;channelName=RapidSMS");</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</p>	<pre>String postData = "{\"userName\":\"demo.company\", \"password\":\"pass123\", \"toMobile\":\"6590010001,65900100012\", \"recipientName\":\"Allan,Brain\", \"senderId\":\"Inspire\", \"smsText\":\"Test SMS1[SMS]Test SMS2\", \"smsType\":\"S1\", \"taskName\":\"T001\", \"timeOffset\":\"0\", \"priority\":\"3\", \"channelName\":\"RapidSMS\"}"; String urlString = "https://si.rapidsms.net/RestApi/SMSAPI.svc/SMS/Post/SendBulkIPMSDifffMsg";</pre> <p>*** The rest of the codes are same as <a href="#">SendSMS</a> methods ***</p>

## 9 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
<b>fromMobile</b>	String	Yes	The mobile number of the recipient. Up to 16 numeric characters
<b>smsText</b>	String	Yes	The text message that recipient will receive. Unicode, Latin and Long messages are supported.
<b>EESInLogID</b>	Integer	Optional	Unique ID for incoming SMS
<b>ReceiveDateTime</b>	DateTime	Yes	Date and time that SMS is received on RapidSMS system.
<b>companyCode</b>	String	Optional	This value is same as the company code which you use to log into RapidSMS.
<b>companyNumber</b>	String	Optional	This is the number which is allocated for your company and your recipients can send SMS to (e.g., 71122, 90001234)

## 10 CONTACT INFO

If you have any queries on the REST API, please contact us at [support@inspire-tech.com](mailto:support@inspire-tech.com)