



**BITÉ REST SMPP service**

<b>Version</b>	<b>Date</b>	<b>Modified by</b>	<b>Comments</b>
<b>1.0</b>	2017-05-15	<b>TJAL</b>	Initial
<b>1.1</b>	2020-04-28	<b>TASL</b>	Added messageld

Bite rest smpp service receives REST requests and transfers them to Bite SMSMUX, which uses SMPP protocol to communicate with SMSMUX. We provide /send endpoint for sending messages. And a /receive endpoint for receiving messages – either sent from the phone, or delivery receipts.

Request details:

<b>HTTP method</b>	
POST	
<b>HTTP header</b>	<b>Value</b>
password	password
username	username
Content-type	application/json
Cache-control	no-cache

Message body:

Param name	Type	Example	Notes
<b>/restsmpp/send</b>			
Src	String	37060000000 TEST	Numerical src max length – 15 Alphanumerical src max length – 11
dst	String	37060000000 37120000000	Must be a valid MSISDN.
messageText	String		Message will be split into segments according to dataCoding used. Messages are charged per segment
dataCoding	String	ucs2	message will be split into 67 symbol segments. Allows virtually any symbols (ą, č, ě, è, į, Cyrillic, etc.)
		latin1	message will be split into 153 symbol segments. Allows only more basic symbols
Registered	String	0	Indicates whether a delivery report message should be returned after (un-)successful delivery
		1	
<b>/restsmpp/receive</b>			
<Empty body>			

Response body:

Param name	Type	Example	Notes
<b>Error response</b>			
timestamp	Long	1588076062543	Epoch millis
Status	Integer	422	Matches HTTP status
Exception	String		
Message	String		
Path	String		
<b>/restsmpp/send</b>			
SubmitSmRespCommandStatus	String	0	Returns an SMPP v3.4 error code. See last page of the document for potential error codes.
messageID	String	1111111	Message ID, which should match delivery receipt in case "registered" was set to 1. Present only if "registered" is set to 1
<b>/restsmpp/receive</b>			
Array object, containing sms messages. Table below shows message structure			
src	String	37060000000	Source MSISDN In case of delivery receipts, should match original destination
dst	String	37060000000	Destination MSISDN. In case of delivery receipts, should match original sender.
messageText	String	id: 1111111 stat: DELIVRD	Message text. In case of ddelivery receipts, will contain original message ID and message status
registered	String	0	Can be ignored
dataCoding	String	latin1	Can be ignored

/receive requests will take up to 3 seconds and will return up to 10 messages

## Examples

### Rest requests:

#### /send

```
curl --location --request POST 'https://cloud.bite.it/restsmpp/send' \  
--header 'Cache-Control: no-cache' \  
--header 'Content-Type: application/json' \  
--header 'username: username' \  
--header 'password: password' \  
--data-raw '{  
    "src": "TEST",  
    "dst": "37060000000",  
    "messageText": "test",  
    "dataCoding": "latin1",  
    "registered": 1  
}'
```

#### /receive

```
curl --location --request POST 'https://cloud.bite.it/restsmpp/receive' \  
--header 'Cache-Control: no-cache' \  
--header 'Content-Type: application/json' \  
--header 'username: username' \  
--header 'password: password' \  

```

### Response examples:

#### /receive

```
[  
  {  
    "src": "37060000000",  
    "dst": "TEST",  
    "messageText": "id:1426045277 stat:DELIVRD",  
    "registered": "0",  
    "dataCoding": "latin1"  
  },  
  {  
    "src": "37060000000",  
    "dst": "TEST",  
    "messageText": "id:1426045278 stat:UNDELIV",  
    "registered": "0",  
    "dataCoding": "latin1"  
  }  
]
```

If there are no messages it will return empty body.

**/send**

Success:

```
{"SubmitSmRespCommandStatus":"0"}
```

Success:

```
{"SubmitSmRespCommandStatus":0,"messageID":"1426045277"}
```

Queue full:

```
{"submitSmRespCommandStatus":"20"}
```

**Negative response examples:**

Authentication failed:

```
{  
  "timestamp": 1588077259090,  
  "status": 422,  
  "error": "Unprocessable Entity",  
  "exception": "net.bitegroup.restsmpp.authentication.AuthenticationFailException",  
  "message": "net.bitegroup.restsmpp.authentication.AuthenticationFailException: Wrong username or  
password",  
  "path": "/restsmpp/v2/send"  
}
```

Tried sending message with symbol “è”, using latin1 data coding:

```
{  
  "timestamp": 1588077447151,  
  "status": 422,  
  "error": "Unprocessable Entity",  
  "exception": "net.bitegroup.restsmpp.services.MessageValidationException",  
  "message": "Latin1 doesn't have symbol: è",  
  "path": "/restsmpp/v2/send"  
}
```

In case of 5XX error codes and other related issues, please contact partner support [support\\_hub@bite.it](mailto:support_hub@bite.it)

## **Possible SMPP message statuses**

0 – no error

10 – invalid source address (may not have permission to send from this specific number)

11 – invalid destination MSISDN

20 – message queue full (individual queue for each recipient, shared by all senders)

69 – unknown error