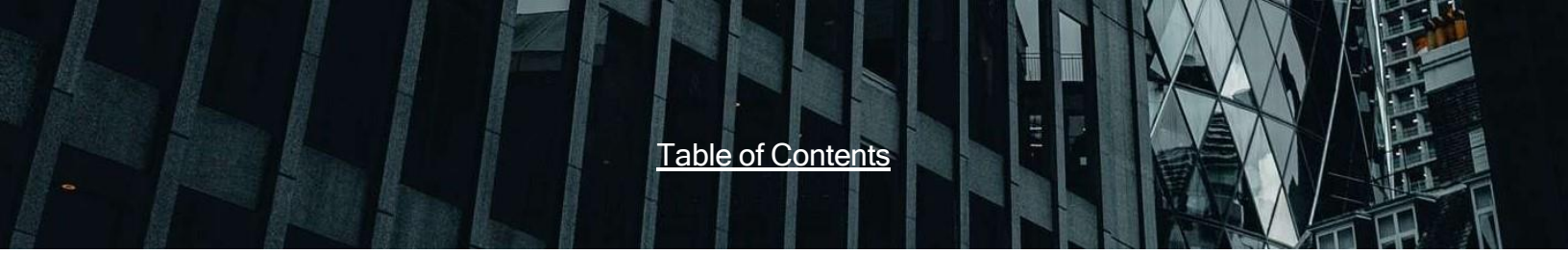


# HTTP API v1.3.6

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Product User Guide  
--confidential--



## Table of Contents

Introduction	3
➤ Overview Of Service	3
➤ Sender ID Consideration	3
➤ Character set support	3
➤ Message Length	3
Using Service	4
➤ End Point	4
➤ Service Response	4
➤ Extended Parameters	5-6
➤ Using UDH for Wake-up Messaging	7
Sending Binary Messages	9
Sending Ringtones	10
Sending Bulk Messages	10
DLR URL	11
Message Status Error Code	12
Application Constraints (For bulk messages only)	12
HTTP Status Pull API	13
Regulatory Implementation and Impact	14
Sender ID Regulation	14
National Customer Call Preference Registry (NCCPR)	15

## **Introduction**

### **Overview of Service**

Our HTTP SMS service is designed to let end user send across SMS messages using HTTP interface. The API supports custom UDH, flash messages, message scheduling (if supported by operator) and various other advance features.

The API is specially designed to let user send custom UDH while sending messages.

### *Character set support*

GSM network supports GSM character set. Other than this Our HTTP API support sending messages in Unicode using Unicode-16 Big-Ending and UTF-8 format.

### *Message Length*

If a message is sent whose length is longer than permitted characters limit, it shall be counted as multiple messages, however will be delivered on handset as a single message.

- For standard Latin character set 160 characters per SMS is supported. If SMS text is longer than 160 characters, messages shall be calculated in multiples of 153 characters.
- For Unicode messaging (non-English) only 70 characters per SMS is supported. If Unicode SMS text is longer than 70 characters, messages shall be calculated in multiples of 67 characters.
- For Binary messaging 140 characters including UDH is supported. If Binary SMS is longer than 140 characters, messages shall be calculated in multiples of 134 characters.

## Accessing Server Services

The username and password shall be provided by your account manager from Us. This authorisation information will be required to generate a bearer token which will be further used for availing the services.

### Token Management

A bearer token is used to perform the MT actions and can be managed using service apikey which can be obtained using MIS panel. Following actions are linked to token:

1. Token Generation
2. Token Enable
3. Token Disable
4. Token Delete

Note: The generated token can be sent in both Bearer as well as API key based authorization.

Delete, enable and disable can be done for all tokens or for a specific given token as well. To perform for any of the mentioned actions for all use "Token=all".

### Token Rotation

Token generated will have default expiry date which is 7 days from token generation so new token need to be generated before old token get expiry. This new token will further be used for MT actions. Please update your tokens timely to avoid any termination issues. An expiry date of the token is provided in every response of token generation request.

Note: Please save your old token as an old token will be required while rotating token. First time token generation using an API Key will not validate the old token. In case you missed saving your old token then you can use Refresh Existing Key option on MIS post which you need not to share old token and you can generate a fresh token till 24 hours, use it for rotation.

### Token Generation

#### Sample Request

URL: <https://103.229.250.200/smpp/api/sendsms/token?action=generate>

Request: POST

Authorization: Apikey in header

Body: Raw Data Content-Type: application/json

```
{ "old_token" : "eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwczovL2FwaS5teXZhbnV1Zmlyc3QuY29tL3BzbXMiLCJzZWl0iJkZWl1ZmFoZWVtaHRwIiwiaXNjaXozMjIzODg5MTA4fQ.fPUvq3OT1cUVQv8Qg4I3m1MKjfMFI7yESTVJPQUvmI8" }
```



```
{
  "token": "eyJhbKJKJKVibskul1NiJ9.eyJpcBxMIYOBodHRwczovL2FwaS5teXZhbHVlZmlyc3QuY29tL3BzbXMiLCJzdWIiOiJkZW1vc291bXlheG1sMyIsImV4cCI6MTYxOTE4MDg3M30.rPuvLBiNoZKusW3GHTHoZCW-Nl9MMCHWLfo9gLjd66k",
  "expiryDate": "2021-04-21 17:57:53"
}
```

## Token Enable

### Sample Request (Single Token Enable)

URL: <https://103.229.250.200/smpp/api/sendsms/token?action=enable&token=eyJhbKJKJKVibskul1NiJ9.eyJpcBxMIYOBodHRwczovL2FwaS5teXZhbHVlZmlyc3QuY29tL3BzbXMiLCJzdWIiOiJkZW1vc291bXlheG1sMyIsImV4cCI6MTYxOTE4MDg3M30.rPuvLBiNoZKusW3GHTHoZCW-Nl9MMCHWLfo9gLjd66k>

Authorization: Basic Auth

### Sample Request (All Token Enable)

URL: <https://203.212.70.200/smpp/api/sendsms/token?action=enable&token=All>

Request: POST

Authorization: API Key in Header

## Token Disable

### Sample Request (Single Token Disable)

URL: <https://103.229.250.200/smpp/api/sendsms/token?action=disable&token=eyJhbKJKJKVibskul1NiJ9.eyJpcBxMIYOBodHRwczovL2FwaS5teXZhbHVlZmlyc3QuY29tL3BzbXMiLCJzdWIiOiJkZW1vc291bXlheG1sMyIsImV4cCI6MTYxOTE4MDg3M30.rPuvLBiNoZKusW3GHTHoZCW-Nl9MMCHWLfo9gLjd66k>

Request: POST

Authorization: API Key in Header

### Sample Request (All Token Disable)

URL: <https://103.229.250.200/smpp/api/sendsms/token?action=disable&token=All>

Request: POST

Authorization: API Key in Header

## Token Delete

### Sample Request (Single Token Delete)

URL: <https://103.229.250.200/smpp/api/sendsms/token?action=delete&token=eyJhbKJKJKVibskul1NiJ9.eyJpcBxMIYOBodHRwczovL2FwaS5teXZhbHVlZmlyc3QuY29tL3BzbXMiLCJzdWIiOiJkZW1vc291bXlheG1sMyIsImV4cCI6MTYxOTE4MDg3M30.rPuvLBiNoZKusW3GHTHoZCW-Nl9MMCHWLfo9gLjd66k>

Request: POST

Authorization: API Key in Header

### Sample Request (All Token Delete)

URL: <https://103.229.250.200/smpp/api/sendsms/token?action=delete&token=All>

Request: POST

Authorization: API Key in Header

## End Point

The end point of the service is `https:// 203.212.70.200/smpp/sendsms`. The complete URL is as follows:

Request : GET or POST

Authorization Method : Bearer Token

[https://103.229.250.200/smpp/sendsms?to=\[xxxxxxxxxx\]&udh=\[xxxxxxxxxx\]&from=\[xxxxxxxxxx\]&text=\[xxxxxxx xxxxxxxx\]&dlr-url=\[xxxxxxxxxxxxxxxx\]....](https://103.229.250.200/smpp/sendsms?to=[xxxxxxxxxx]&udh=[xxxxxxxxxx]&from=[xxxxxxxxxx]&text=[xxxxxxx xxxxxxxx]&dlr-url=[xxxxxxxxxxxxxxxx]....)

GET

http://203.212.70.200/smpp/sendsms?to=917398826193&from=UNIMSG&text=Demo HTTP API Token Message

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

Type

Bearer Token

Token

eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwc...

The authorization header will be automatically generated when you send the request.

[Learn more about authorization](#)

Body

Cookies

Headers (10)

Test Results

Status: 200 OK

Time: 67 ms

Size: 439 B

Save Response

POST

http://203.212.70.200/smpp/sendsms?from=VFIRST&to=8778647207&text=Dear Customer, Your Demo Account h...

Send

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

Cookies

Type

API Key

Key

Value

Add to

apikey

eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwc...

Header

The authorization header will be automatically generated when you send the request.

[Learn more about authorization](#)

Body

Cookies

Headers (11)

Test Results

Status: 200 OK

Time: 1980 ms

Size: 484 B

Save Response

Pretty

Raw

Preview

Visualize

Text

1 Empty text not allowed, rejected.

Activate Windows  
Go to Settings to activate Windows

POST ▼ http://203.212.70.200/smpp/sendsms?to=917398826193&from=UNIMSG&text=Demo HTTP API Token Message Send ▼

Params ● Authorization ● Headers (9) Body Pre-request Script Tests Settings Cookies

Type Bearer Token ▼ Token eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwc...

The authorization header will be automatically generated when you send the request.  
[Learn more about authorization](#) ↗

Body Cookies Headers (10) Test Results Status: 200 OK Time: 408 ms Size: 439 B Save Response ▼

POST ▼ http://203.212.70.200/smpp/sendsms?to=917398826193&from=UNIMSG&text=Demo HTTP API Token Message Send ▼

Params ● Authorization ● Headers (9) Body Pre-request Script Tests Settings Cookies

Query Params

	KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/>	to	917398826193			
<input checked="" type="checkbox"/>	from	UNIMSG			
<input checked="" type="checkbox"/>	text	Demo HTTP API Token Message			
	Key	Value	Description		

Body Cookies Headers (10) Test Results Status: 200 OK Time: 408 ms Size: 439 B Save Response ▼

The following are the required parameters:

Parameter	Description
To	Recipient number. Only single recipient is supported
From	Sender Number or ID. Sender ID can be a 9-13 digits number or 11 digit alpa-numeric sender ID.
Text	Text that needs to be sent on mobile handset. In case of binary content or Unicode messages the Text should be hex- encoded value.
dlr-url	Specify the path on which Delivery report need to be returned. This is a path on your server, which shall be called in when a delivery report is received by Us against an outgoing message.
Udh	User-defined data header. The data header is used for long messages as well as sending binary content. If you need to send message to specific port (for j2me application to receive), you may specify the information in udh parameters.
Tag	Some random client side data



### Service Response

When data is posted on HTTP API, the following responses are generated.

Response	Description
Sent.	Message sent Successfully
Sent. Split into N	Message was sent, however it was found to be longer than permitted limit and hence was spitted into multiple messages
Number(s) has/have been denied by white- and/or black- lists.	Invalid Recipient numbers.
Empty receiver number not allowed, rejected	Recipient number is empty.
Sender missing and no global set, rejected	Sender number is missing.
Empty text not allowed, rejected.	Message Text is empty.
unknown request	Kannel is down or SMSC connectivity problem.
Authorization failed for sendsms	Invalid Username and Password.

### Extended Parameters

The followings are the extended parameter supported by Our HTTP API. Please note that all variables are in small case.

Variable Name	Type	Description
From	String	Phone number of the sender.
to	String	Phone number of the receiver.
Text	String	Contents of Message, URL encoded as necessary. The Content can be more than 160 characters.
charset	String	Charset of text message. Used to convert to a format suitable for 7 bits or to UCS-2. Defaults to WINDOWS-1252 if coding is 7bits and UTF-16BE if coding is UCS-2.
Udh	String	Optional User Data Header (UDH) part of the message. Must be URL encoded. For detail on how to use UDH for wake-up messaging, kindly see the next section
Mclass	Number	Optional. Sets the Message Class in DCS field. Accepts Values between 0 and 3, for Message Class 0 to 3, A value of 0 sends the message directly to display, 1 sends to mobile, 2 to SIM and 3 to SIM toolkit.
mwi number	Number	Optional. Sets Message Waiting Indicator bits in DCS field. If given, the message will be encoded as a Message Waiting Indicator. The accepted values are 0, 1, 2 and 3 for activating the voice, fax, email and other indicator or 4, 5, 6, 7 for deactivating, respectively. This option excludes the flash Option.
compress	Number	Optional. Sets the Compression bit in DCS Field.
Coding	Number	Optional. Sets the coding scheme bits in DCS field. Accepts values 0 to 2, for 7bit, 8bit or UCS-2. If unset defaults to 7 bits unless a UDH is defined, which sets coding to 8bits.

dlr-mask	Number (bit - mask)	Optional. Request for delivery reports with the state of the sent message. The value is a bit mask composed of: 1: Delivered to phone, 2: Non-Delivered to Phone, 4: Queued on SMSC, 8: Delivered to SMSC, 16: Non-Delivered to SMSC. Must set dlr-url on sendsms-user group or use the dlr- url CGI variable.
dlr-url	String URL	Optional. If dlr-mask is given, this is the url to be fetched. (Must be url-encoded)
alt-dcs	Number	Optional. If unset, Kannel uses the alt-dcs defined on SMSC configuration or 0X per default. If equals to 1, uses FX. If equals to 0, force 0X.
Rpi	Number	Optional. Sets the Return Path Indicator (RPI) value. (See ETSI Documentation).
priority number	Number	Optional. Sets the Priority value (Range 0-3 is allowed).
category	String	Optional parameter to send bulk messages. It can consists of value: <b>bulk</b>

### Using UDH for Wake-up Messaging

UDH is used for sending long messages that are assembled at Mobile device level into one SMS. UDH is also used for sending specialized messages like Ringtone, logo, picture messages, vCard, vCAL and messages to custom mobile applications.

The most common use of UDH is to send message to a specific port (called destination port). Since each port has a different meaning on mobile phone, mobile phone understands message content according to port of the message.

The following are the standard ports:

Port Number (decimal)	Port Number (hexadecimal)	Application/Protocol
0	0	Default port for transparent (legacy) messages
80	50	WWW Server (HTTP)
226	E2	Business Card exchange (MIME vCard) Card reader
228	E4	Calendar Items (MIME vCalendar) Calendar reader
5501	157D	Compact Business Card reader (not specified in this document)
5502	157E	Service Card reader (not specified in this document)
5503	157F	Internet Access Configuration Data reader
5504	1580	<RESERVED>
5505	1581	Ringling Tone reader
5506	1582	Operator Logo
5507	1583	CLI Logo
5508	1584	Dynamic Menu Control Protocol (not specified in this document)
5509	1585	<RESERVED>
5510	1586	<RESERVED>
5511	1587	Message Access Protocol
5512	1588	Simple Email Notification
5513	1589	<RESERVED>
5514	158A	<RESERVED>
5580	15CC	Character-mode WWW Access (TTML) (not specified in this document)
5601	15E1	<RESERVED>
5603	15E3	<RESERVED>
8500	2134	<RESERVED>
8501	2135	<RESERVED>
8502	2136	<RESERVED>

The UDH parameter which is usually 12 bytes hex content need to be setup in following manner:

Octet Number	Value	Description
1	0B	Length of the User Data Header
2	05	Information Element Identifier (IEI; application port addressing scheme, 16-bit port address)
3	04	Information Element Data Length (IEDL)
4 – 5	23 F5	Information Element Data (octets 4 & 5 --> 23F5 – destination port)
6 – 7	00 00	Information Element Data (octets 6 & 7 --> 0000 – originator port)
8	00	Information Element Identifier (IEI; concatenated short message, 8-bit reference number)
9	03	Information Element Data Length (IEDL)
10	02	Information Element Data (concatenated short message reference number)
11	02	Information Element Data (total number of concatenated messages (0-255))
12	01	Information Element Data (sequence number of current short message)

In above example you need to send  
`&udh=%0B%05%04%23%F5%00%00%00%03%02%02%01`

The Underlined part indicates destination and source ports. Other fields like SMS reference number, total number of messages in block and current sequence number shall change according to number of messages used for transferring current information.

However if the message can be accommodated in 1 SMS only then you may change the UDH length as well as remove elements related to message concatenation information. The new UDH may look like following:

Octet Number	Value	Description
1	06	Length of the User Data Header
2	05	Information Element Identifier (IEI; application port addressing scheme, 16-bit port address)
3	04	Information Element Data Length (IEDL)
4 – 5	15 82	Information Element Data (octets 4 & 5 --> 1582 – destination port)
6 – 7	00 00	Information Element Data (octets 6 & 7 --> 0000 – originator port)

For single message case your UDH has now become `&udh=%06%05%04%15%82%00%00`

## ***Sending Binary Messages***

Our HTTP SMS service can be used to send binary messages. To send binary messages to CDMA numbers, client need to send well formed user data header failing on which service will return an error. Binary message text must be prefixed with well formed user data header.

User data header for CDMA numbers contains following parameters:

<Keyword><port-information><delimiter> Where,

- ☐ Keyword: It must be “//SCKL”
- ☐ Port-Information: it contains following parameters:  
<destination-port-address> or <destination-port-address><source-port-address> or  
<destination-port-address><source-port-address><SAR-info>
- ☐ Delimiter: <space>

Message Text would be:

Bytes Number	Value	Description
1-6	//SCKL	WDP datagram addressing scheme to the receiving device.
7-10	158A	Information Element Data (bytes 7 to 10 ♦ 158A - destination port).
11-14	0000	Information Element Data (bytes 11 to 14 ♦ 0000 - source port). It is optional.
15-16	00	Information Element Identifier i.e. 8-bit reference number.
17-18	02	Information Element Data (total number of concatenated messages(0-255))
19-20	01	Sequence number of current short message.
21	<space>	
22 byte onwards	1-n 8-bit characters of user data	Hexadecimal value of message text.

However, if message text can be sent in one SMS only then, we may change the user data header as i.e.

Bytes Number	Value	Description
1-6	//SCKL	WDP datagram addressing scheme to the receiving device.
7-10	158A	Information Element Data ((bytes 7 to 10 ♦ 158A - destination port).
11	<space>	

12 byte onwards	1-n 8-bit characters of user data	Hexadecimal value of message text.
-----------------	---	------------------------------------

## Ringtone on CDMA Numbers

Following is an example of ringtone message, which can be sent by single SMS. Ringtone reader listens on port 1581 of the mobile terminal.

**Ex:** 024A3A650995D1D195C93D999804144288F511610611624D30831445

Bytes Number	Value	Description
1-6	//SCKL	WDP datagram addressing scheme to the receiving device.
7-10	1581	Information Element Data ((bytes 7 to 10 ♦ 158A - destination port).
11	<space>	It is a delimiter between user data header and binary message text.
12 onwards	1-n 8-bit characters of user data	024A3A650995D1D195C93D999804144288F511610611624D30831445

Udh part for given ring tone would be //SCKL1581+ so the URL encoded text parameter would be as:

%2F%2FSCKL158A000000+024A3A594D8549951D84040018D9049161361561661861A61C 6288B000

## Sending Bulk Message

HTTP API incorporates function to send bulk messages to multiple users throughout single HTTP session. It can send bulk messages to maximum 100 recipients (mobile number) in single sessions.

Customer can use following sample URL in the http request to send bulk message:

**Sample URL:**  
<https://xxx.xxx.x.xxx/sendsms?to=9198xxxxxxxx,9199xxxxxxxx&from=Senderid&text=this%20is%20a%20test%20message&category=bulk>

Parameters in Requested URL	Description
<b>To</b>	Stores mobile number of recipients prefixed by “91” digit and separated by comma
<b>From</b>	Stores send id of message sender
<b>Text</b>	Stores the actual message text to be delivered on the mobile phone of user
<b>Category</b>	Stores the value as “ <b>bulk</b> ” that specifies bulk messages are to be sent to multiple recipients. By default, this parameter stores value: <b>blank</b> that specifies bulk messages will not be sent in currently established HTTP session.



<b>entityid</b>	DLT Principal entity id. This is an optional parameter.
<b>dlt_templateid</b>	DLT Template id. This is an optional parameter.
<b>headerid</b>	DLT header id. This is an optional parameter.
<b>dltcontenttype</b>	DLT Content Type. This is an optional parameter. Only numeric value is accepted. (1: Service Implicit, 2: Service Explicit, 3: Transactional, 4: Promotional)

## DLR URL

Customer can use following sample URL for receiving the DLR:

Sample DLR URL:

[https://ip/app/status?unique\\_id=%7&reason=%2&to=%p&from=%P&time=%t&status=%d](https://ip/app/status?unique_id=%7&reason=%2&to=%p&from=%P&time=%t&status=%d)

**Encoded dlr-url parameter will be:**

[https%3A%2F%2Fip%2Fapp%2Fstatus%3Funique\\_id%3D%EF%BB%BF%257%26reason%3D%EF%BB%BF%252%26to%3D%EF%BB%BF%25p%26from%3D%25P%26time%3D%25t%26status%3D%25d](https%3A%2F%2Fip%2Fapp%2Fstatus%3Funique_id%3D%EF%BB%BF%257%26reason%3D%EF%BB%BF%252%26to%3D%EF%BB%BF%25p%26from%3D%25P%26time%3D%25t%26status%3D%25d)

Below table depicts the parameter values to be passed to get corresponding values

Sample Parameter names	Values	Sample Response
TO	%p	919812345678
FROM	%P	SMSTST
TIME	%t	2017-05-23 16:55:18
MESSAGE_STATUS	%d	1
REASON_CODE	%2	000
DELIVERED_DATE	%3	2017-05-23 16:55:18
STATUS_ERROR	%4	8448
CLIENT_GUID	%5	kh5ng551155213b161011bme3vTESTUSER
CLIENT_SEQ_NUMBER	%6	Value as Submitted
MESSAGE_ID	%7	h5ng551155313946013uw3
CIRCLE	%8	Delhi
OPERATOR	%9	AIRCEL
TEXT_STATUS	%13	Success
SUBMIT_DATE	%14	2017-05-23 16:55:11
MSG_STATUS	%16	Delivered
MSG_SPLITS	%17	Message Splits Ex : "1"
TAG	\$TAG	Tag Value as Submitted

Note:

In the requested HTTP URL to send bulk messages, the attributes used in the URL can be named accordingly but values used corresponding to used attributes or variables are case sensitive.

## Message Status Error Code

HTTP API processed messages" status can be tracked via the following list of error code.

Error Code	Error Type	Description
„1 <sup>st</sup>	Invalid Receiver	This error code generates if message(s) receiver's mobile number: <ul style="list-style-type: none"> <li>➤ Is invalid</li> <li>➤ Greater than 16 digits</li> </ul>
„2 <sup>nd</sup>	Invalid Sender	This error code generates if message sender: <ul style="list-style-type: none"> <li>➤ Uses wrong alphanumeric/numeric sender ID</li> <li>➤ Uses sender ID of greater than 16 digits</li> </ul>
„3 <sup>rd</sup>	Invalid Message	This error code generates if: <ul style="list-style-type: none"> <li>➤ Blank message is sent</li> <li>➤ UDH header section does not encapsulate binary content</li> <li>➤ Message template does not match (In case of transactional messages)</li> </ul>
„4 <sup>th</sup>	Service not available	This error code generates if: <ul style="list-style-type: none"> <li><input type="checkbox"/> Operator's service is down</li> <li><input type="checkbox"/> Server side services are down</li> </ul>
„5 <sup>th</sup>	Authorization failed	This error code generates if server side authentication fails owing to: <ul style="list-style-type: none"> <li>➤ Wrong user name</li> <li>➤ Wrong password</li> <li>➤ Wrong user name and password</li> </ul>
„6 <sup>th</sup>	Contract Expired	This error code generates if service usage contract expires.
„7 <sup>th</sup>	Credit Expired	This error code generates if message(s) sender's credit account balance is zero.
„8 <sup>th</sup>	Empty Receiver	This error code generates if message recipient's number is not mentioned in the HTTP API's parameters.
„14 <sup>th</sup>	Non-compliant message	This error code generates if the message is sent violating TRAI guidelines and set of rules.
28702	Invalid DLT Parameters	This error codes comes in case of any invalid or blank values received in DLT parameters.
28703	Invalid DLT Content Type	This error codes comes in case of any invalid or blank DLT content type value.
28704	Invalid Authorization Type	If message is rejected due to authorization scheme other than Authorization header
		<p><b>Note:</b> If message is rejected for wrong Authorization method selected then that message is rejected on filter with Http error code 401 and description "Unauthorized"</p> <p>If message is rejected for HTTPS then that message is rejected on</p>

		filter with Http error code 403 and description " <b>HTTP Not Allowed</b> "
--	--	---

### Application Constraints (For bulk messages only)

HTTP API v1.1 specifies following constraints:

- Doesn't send messages on duplicate number.
- Doesn't send binary messages.
- Can send bulk messages to maximum 100 recipients throughout single HTTP session.
- Employs only "Get" method to send requested HTTP URL.
- Requires "91" digit as prefix to the mobile number of recipient separated by comma.

### **HTTP Status Pull API**

An API has been developed to check the status of GUID submitted on HTTP API where category=Bulk.

Category Bulk- Stores the value as “bulk” that specifies bulk messages are to be sent to multiple recipients in a single HTTP hit.

Once user sends SMS using HTTP service:-

<https://103.229.250.200/smpp/sendsms?username=XXXXXX&password=XXXXXX&to=91XXXXXXXXXX&udh=&from=VFIRST&text=This%20is%20a%20test%20SMS%20flash%20SMS&category=bulk>

A GUID is returned to the user acknowledging successful submission (with errorcode=0)  
[guid=XXXXXXXXXXXXXXXXXXXXHTTP&errorcode=0&seqno=91XXXXXXXXXX](https://103.229.250.200/smpp/status?username=XXXXXX&password=XXXXXX&guid=XXXXXXXXXXXXXXXXXXXXHTTP&errorcode=0&seqno=91XXXXXXXXXX)

### **GUID STATUS CHECK**

- Using the GUID user can check the delivery status using following URL by providing their username, password along with the GUID. \_  
<https://103.229.250.200/smpp/status?username=XXXXXX&password=XXXXXX&guid=kh4rc500404XXXXXXXXXXXXXXXXXX>
- Sample response returned to the user  
guid=kh4rc500404XXXXXXXXXXXXXXXXXX&mobile=91XXXXXXXXXX&errorcode=8449&seqno=1&reasoncode=009&statusdate=2017-04-27 12:50:04
- If multiple mobile numbers is submitted it will return comma separated mobile number wise response.

**OR**

### **Mobile Number Wise Response**

- User can pass mobile number along with GUID to get status of a particular mobile number. Mobile number is an optional field.
- Sample API call:-  
<https://103.229.250.200/status?username=XXXXXX&password=XXXXXX&guid=kh45c272733113b110014q57kqDABSOLUTET&mobile=91XXXXXXXXXX>
- Sample response for DLR status:-  
guid=kh45c27XXXXXXXXXXXXXXXXXX&mobile=91XXXXXXXXXX&errorcode=8448&seqno=1

o=1&reasoncode=000&statusdate=2017-01-06 14:08:48

## Error Codes

**ALL THE DLT AND OPERATOR RELATED DLR ERRORS CODES THAT MAY COME ACROSS ARE LISTED BELOW:**

Error Codes	Description	Remark
001	Invalid_number	Existing error code of delivery failure
002	Absent_subscriber	Existing error code of delivery failure
003	Emory_capacity_exceeded	Existing error code of delivery failure
004	Mobile_equipment_error	Existing error code of delivery failure
005	Network_error	Existing error code of delivery failure
006	Barring	Existing error code of delivery failure
007	Invalid_senderid	Existing error code of delivery failure
008	Dropped	Existing error code of delivery failure
009	Ndnc_failed	Existing error code of delivery failure
100	Misc. Error	Existing error code of delivery failure
110	Entity not found	DLT related error, Only applicable towards India
111	Entity not registered	DLT related error, Only applicable towards India
112	Entity inactive	DLT related error, Only applicable towards India
113	Entity blacklisted	DLT related error, Only applicable towards India
114	Invalid telemarketer	DLT related error, Only applicable towards India
115	Header not found	DLT related error, Only applicable towards India
116	Header inactive	DLT related error, Only applicable towards India
117	Header blacklisted	DLT related error, Only applicable towards India
118	Template not found	DLT related error, Only applicable towards India
119	Template inactive	DLT related error, Only applicable towards India
120	Template not matched	DLT related error, Only applicable towards India
121	Template blacklisted	DLT related error, Only applicable towards India
122	Invalid consent	DLT related error, Only

		applicable towards India
123	General consent error	DLT related error, Only applicable towards India
124	DLT miscellaneous error	DLT related error, Only applicable towards India
122	Invalid consent	DLT related error, Only applicable towards India
123	General consent error	DLT related error, Only applicable towards India
124	DLT miscellaneous error	DLT related error, Only applicable towards India

### Sender ID Regulation

Telecom Regulatory Authority of India (TRAI) has given a direction to all telecom service provider of India to prefix an Identification Code before SenderID for every message sent using alpha and numeric sender id. The Direction can be downloaded directly from TRAI website or simply by clicking following link:

<https://www.trai.gov.in/WriteReadData/trai/upload/Directives/131/direction10dec08.pdf>

The Identification Code will be of three characters, consisting, **Service Provider Code** and **Service Area Code**, followed by a **Hyphen** character. Hence, the maximum length of a sender ID has been fixed to 6 characters for alpha and numeric both.



<b>LIST OF CODES FOR SERVICE PROVIDERS</b>		
<b>S.No.</b>	<b>Service Provider</b>	<b>Code</b>
1	Aircel Ltd Aircel Cellular Ltd Dishnet Wireless Ltd	<b>D</b>
2	Bharti Airtel Ltd Bharti Hexacom Ltd	<b>A</b>
3	Bharat Sanchar Nigam Ltd	<b>B</b>
4	BPL Mobile Communications Ltd Loop Telecom Pvt. Ltd	<b>L</b>
5	Datacom Solutions Pvt. Ltd	<b>C</b>
6	HFCL Infotel Ltd	<b>H</b>
7	Idea Cellular Ltd Aditya Birla Telecom Ltd	<b>I</b>
8	Mahanagar Telephone Nigam Ltd	<b>M</b>
9	Reliance Communications Ltd	<b>R</b>
10	Reliance Telecom Ltd	<b>E</b>
11	S. Tel Ltd	<b>S</b>
12	Shyam Telecom Ltd	<b>Y</b>
13	Spice Communications Ltd	<b>P</b>
14	Swan Telecom Pvt. Ltd	<b>W</b>
15	Tata Teleservices Ltd Tata Teleservices (Mah) Ltd	<b>T</b>
16	Unitech Group of Companies	<b>U</b>
17	Vodafone Group of Companies	<b>V</b>

The details of operator codes are as below:

The Details of Circle codes are as below:

LIST OF CODES FOR SERVICE AREA			
SLNO	Service Area	No of UASLs/CMSPs (Including recntly issued new licenses)	Code
1	Andhra Pradesh	13	A
2	Assam	12	S
3	Bihar	12	B
4	Delhi	13	D
5	Gujarat	12	G
6	Haryana	13	H
7	Himachal Pradesh	13	I
8	Jammu & Kashmir	7	J
9	Karnataka	12	X
10	Kerala	13	L
11	Kolkata	13	K
12	Madhya Pradesh	12	Y
13	Maharashtra	12	Z
14	Mumbai	12	M
15	North East	11	N
16	Orissa	12	O
17	Punjab	13	P
18	Rajasthan	13	R
19	TamilNadu including Chennai	13	T
20	UP-East	12	E
21	UP-West	12	W
22	West Bengal	12	V

### National Customer Call Preference Registry (NCCPR)

NCCPR (previously known as NDNC) is a database of all users who do not wish to receive unsolicited commercial communication. The list is managed by TRAI. We have a strict No-SPAM policy and hence a person whose mobile number exists in this list must not be sent any commercial communication using voice or SMS, unless s/he has not given explicit permission to receive so.

