



HTTP Specifications
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1 Overview

This document is intended for those users who wish to develop applications that make use of our SMS Gateway. It is recommended that you first create an account with www.tobeprecise.com before using this application and also have an understanding of how our system works. For details on our SMS services, visit <http://www.tobeprecise.com>

This document will cover the details on how to use the HTTP method available along with their return values. For more details on how to implement SMS solutions you can reach us through our web site <http://www.tobeprecise.com>

2 Introduction

This is one of the easiest and simplest way of communicating with our SMS Gateway and developing your own SMS interface. You have to use the POST method of HTTP (port 80) to submit the values and all the values should be URL Encoded. Parameter names are case insensitive and need not be in any specific order.

3 Commands

Some of the HTTP commands that can be used for sending messages and to retrieve details are explained in this section. In any of the method, the system will require you to provide a user name and password for authentication purpose.

You can submit any data to our SMS gateway using the direct URL or the IP address as given below: (any change in URL or IP address will be informed in advance)

URL: **<http://www.tobeprecise.com/>**

IP: **<http://67.19.246.248/>**

In all the examples, we will be using the URL. Replace the IP address with the URL if in case you have to use the IP address.

3.1 Sending a message

This method allows you to submit any type of message (English or UNICODE) message to the SMS gateway and to any number of mobiles. One can send to multiple destinations by delimiting the destination address (numbers) with commas. Examples below will only show the basic commands used and details of parameters are given in the table.

3.1.1 Submitting a message to Single Destination

<http://www.tobeprecise.com/sendmsg/sendbulk.asp?UID=xxx&PWD=xxx&Destination=971501234567&Msg=xxxxxx>

The response from this submission will be as follows:

OK#Mobile Number#Credit Used#Return Value#Reference number

- OR -

ERR#Error Code#Error description, if available

3.1.2 Submitting a message to multiple destinations

<http://www.tobeprecise.com/sendmsg/sendbulk.asp?UID=xxx&PWD=xxx&Destination=971501234567,971507654321&Msg=xxxxxx>

The response from this submission will be as follows:

OK#Mobile Number1#Credit Used#Return Value1#Reference number
ERR#Mobile Number2#Credit Used#Error Code2#

....

OK#Mobile Numbern#Credit Used#Return Valuen#Reference number

- OR -

ERR#Error Code#Error description, if available

In multiple mobile number submission, each of the return values (if there was no error in general) will be provided in separate lines. All the parameters returned will be the same in size and cont.

Details of the Error codes and Return values are explained in Appendix A.

3.1.2 Message Parameters

Following are the parameters and its allowed values.

Parameter	Definition	Allowed values
UID	Your ToBePrecise Account Name	-
PWD	Corresponding password for the account.	-
Route	For future use	-
Msg	English or Unicode message	160 length English message - OR - 70 character length equivalent Unicode. Only Unicode values are permitted here.
MsgType	Type of the message you are submitting.	SMS – Ordinary English Message SMSA – Unicode message FSMS – English FLASH Message
Source	Source address – sender name or number.	Alphanumeric – Max of 11 characters. Allowed characters are A-Z, a-z, 0-9, -, and BLANK
Destination	Mobile numbers separated by comma.	In International format without leading Zeroes. Max allowed numbers at a time is 100.

This method will return a string that contains the return value after submitting the message, even if the return value is an ERROR message. Following are the possible return values:

Single message submission

OK#Mobile Number#Credit Used#Return Value#Reference number

- OR -

ERR#Error Code#Error description, if available

Multiple message submission

OK#Mobile Number1#Credit Used#Return Value1#Reference number

ERR#Mobile Number2#Credit Used#Error Code2#

....

OK#Mobile Numbern#Credit Used#Return Valuen#Reference number

- OR -

ERR#Error Code#Error description, if available

3.2 Retrieving Account Balance

This method helps to retrieve the current balance in your ToBePrecise.com account. If connected successfully and if the account is valid, it will return the Current balance, Total credits purchased so far, and total credits used so far. Following are the parameters for this method.

Parameter	Definition
UID	Your ToBePrecise Account Name
PWD	Corresponding password for the account.

Example submission is as follows:

<http://www.tobeprecise.com/mobile/getbalance.asp?UID=xxxx&PWD=xxxx>

Following are the possible return values.

OK#Current Balance#Total Purchased#Total used#Notification Limit

- OR -

ERR#Error code#Error message, if any

Contact Us

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Appendix A – Return values & Error codes

Code	Description
<i>Return Values</i>	
000	Submitted to gateway (OK)
001	Invalid Mobile Number
002	Network not supported
003	Invalid Message / Message length exceeded
004	Invalid sender name
005	Invalid message type
006	Not allowed to route to this network
007	Multiple credit message not enabled
008	Invalid Delay minutes
010	Allowed destination limit exceeded
<i>Error Codes</i>	
100	Could not connect to gateway
101	Gateway currently disabled
200	Invalid User Name or password
201	No credit available
202	Account has been disabled
203	Account registration is not complete
204	Cannot use BULK SMS
205	SMS Purchase not done so far
1000	System error – not able to connect to gateway
1001	System error – not able to connect to Database
1002	Network settings not configured for the account
1003	System Error
1004	System Error while connecting to Operator
1005	Error with submission
9999	Unknown