



interactive telecom one

IT1 SMS API specification

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1.0 Overview

This document describes the IT1 HTTP interface for the purpose of integrating SMS into applications and web systems.

The interface supports HTTP GET requests for submitting messages as well as 2 methods for retrieving delivery receipts and incoming SMS.

Sending SMS via this interface is simple and easy to integrate into applications written in almost any programming language because most languages have built-in support making HTTP requests. The SMS is sent to our server in the same way as typing a URL into a web browser (HTTP).

You must have a IT1 HTTPSMS account in order to use this interface. For more information please visit <http://www.it1.hr>

2.0 Protocol definition

2.1 Submitting an SMS

The following 2 sections describe the request URL, all of its associated input parameters and their corresponding values, and the expected server response for the process of submitting and SMS.

2.1.1 HTTP Request URL for sending plain text messages

This is the default URL for submitting plain text messages:

<https://www.it1.hr/api/SMSSend.aspx>

2.1.2 HTTP Request URL for sending WAP push messages

This is the default URL for submitting wap push messages:

<https://www.it1.hr/api/WapPushSend.aspx>



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2.1.3 Input parameters

This table lists each parameter that can be submitted to the URL given above. Note that some of the parameters are used for sending plain text messages and some for WAP push messages as noted in the following table. Parameters are case sensitive.

Parameter:	Description:	Example values:
Username	Account username	my@mail.com
Password	Account password	mypassword
Pin	Unique identifier of your service	1234
Phone	Destination mobile number in international format without + prefix	385919876543
Sender	Originator number (sender id). Up to 15 numeric or 11 alphanumeric characters	66306 or Test
Date	Date and time when the message will be sent. Use format dd.MM.yyyy HH:mm:ss	21.07.2010 12:50:30
Msg	The SMS text. Up to 459 characters. For messages with text up to 160 characters, single sms will be sent, for text up to 306 characters two messages are sent and charged as two ordinary messages, and for up to 459 characters three messages are sent and charged as three ordinary messages.	This is body of my message or My picture
URL	URL to the content	http://www.mydomain.com/mypicture.jpg
nid	ID of MT number of keyword that will be used for charging the user	1234
price	Price of MT message in lipas (2000 = 20,00kn)	2000

These are example URLs - Please note that the login „my@mail.com“ with password „mypassword,, is not valid on the IT1 system.

Plain text message:

```
https://www.it1.hr/api/SMSSend.aspx?Username=my%40mail.com&Password=mypassword&Pin=1234&Phone=385919876543&Sender=66306&Date=21.07.2010%2012%3A50%3A30&Msg=This%20is%20body%20of%20my%20message.
```

WAP push message:

```
https://www.it1.hr/api/WapPushSend.aspx?Username=my%40mail.com&Password=mypassword&Pin=1234&Phone=385919876543&Sender=Test&Date=21.07.2010%2012%3A50%3A30&Msg=My%20picture&URL=http%3A%2F%2Fwww.mydomain.com%2Fmypicture.jpg
```

Please note that all parameters have to be properly URL encoded. For further information please refer to the following URL: http://www.w3schools.com/tags/ref_urlencode.asp

2.1.4 Server response

The server performs a HTTP response based on the outcome of the following processes:

- Request syntax check – Ensures all mandatory parameters are present
- Input parameter validation – Ensures parameter values do not contain invalid characters and that they are of correct length
- Authentication check – Username and password validation
- Credit balance check – Ensures there is sufficient credit on your account to send the message
- Message sent check – Confirms the message was successfully accepted and assigned a unique message ID

A response consists of HTTP content containing a plain text string.

If your request passed all checks, a response content will contain word OK followed by numeric message ID. For example: „OK 12345678“. Otherwise response content will contain word Error followed by error details. For example: „Error: Message parameter is empty.“

2.2 Receiving Incoming SMS and Delivery receipts

2.2.1 Incoming SMS

To deliver incoming SMS to you, our server has to make HTTP GET request to your web server. So you have to define and send us callback url for incoming SMS.

As soon as we receive incoming message, a HTTP GET request will be made to your callback URL with following input parameters:

Parameter:	Description:	Example values:
Phone	Originator number in international format without + prefix	385919876543
Service	Destination service number	66306
Date	Date and time when was message received, format dd.MM.yyyy HH:mm:ss	21.07.2010 12:50:30
Msg	The SMS text	This is body of new message.

2.2.2 Delivery receipts

As with incoming SMS, you have to define and send us callback url for delivery receipts.

As soon as we receive delivery receipt, a HTTP GET request will be made to your callback URL with following input parameters:

Parameter:	Description:	Example values:
MsgID	Numeric message ID, you received this data in HTTP response when you called one of our URLs for sending messages (SMSSend.aspx or WapPushSend.aspx)	12345678
Status	Delivery receipt status code. See Appendix below for Status codes.	1



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3.0 Appendix

Status codes:

Code:	Status:	Description:
1	DELIVERED	The message is successfully delivered to the recipient.
2	SENT	The message is sent over a route that does not support delivery reports
3	NOT_SENT	The message is enqueued but not cannot be submitted to SMSC (possible reason SMSC connection is down)
4	NOT_DELIVERED	The message could not be delivered.
6	INVALID_DESTINATION_ADDRESS	GSM recipient is invalid / wrong
7	INVALID_SOURCE_ADDRESS	You have specified wrong / invalid / unallowed source address (sender name)
9	NOT_ENOUGH_CREDITS	There is no available credits on your account to send the message