



HTTP GET Interface specifications ***Version 1.0***

07/05/2008

1. Revisions

Rev#	Date	Remark
1.0	12-03-2008	Initial version
1.0	07-05-2008	New mpulse address

2. Conventions

This document describes the interface specifications for the Mpulse Gateway HTTP GET interface. This relatively simple interface allows it to send and receive SMS messages by specifying all required parameters in the request parameters of a HTTP GET request.

3. Mobile-Terminated messages (MT)

The following GET parameters are supported by the interface.

Required:

- username: the username of your Mpulse Gateway account
- password: the password of your Mpulse Gateway account
- to: the destination number of the message (MSISDN in international () format)
- from: the originator of the message (mostly your assigned short number)
- body: the text contained in the message
- url: the URL to be sent as wap-push - only if type is WAPPUSH (see below)

Optional:

- type: defines the type of the message - either TEXT or WAPPUSH (default: TEXT)
- split: split the message if the body exceeds 160 7-bit GSM characters (default: false)
- priority: the message queue processing priority – value between 0 and 9 (default: 4)

The GET parameters are used as defined in the HTTP/1.1 specification. A GET parameter is a key-value combination in the format 'key=value'. Several GET parameters are separated by a '&' character. Keys and values must be URL encoded.

Example:

```
http://gateway.mpulse.eu/sms/get?username=johndoe&password=secret&from=64111&to=352621123456&body=Hello%20world.
```

The server reply will be an unformatted integer that represents the message ID of the message that has just been sent. This ID can be used to track messages when delivery reports are received (see below).

4. Mobile-Originated messages (MO)

Mobile-Originated messages will be delivered asynchronously to a URL defined by the value added service provider. The following GET parameters will be used:

- type – “message” (this string is hard-coded for MO messages)
- to – the shortnumber the message was sent to
- from - the MSISDN of the mobile subscriber that sent the message
- body – the contents of the message sent by the subscriber

Example:

```
http://your.server.com/sms/receive?type=message&to=64111&from=352621123456&body=Hi!
```



Delivery reports

Delivery reports are delivered to the same URL as MO messages. However, the parameters used by the Mpulse Gateway are different:

- type – “delivery” (this string is hard-coded for delivery reports)
- id – the message ID that was returned when the message was originally sent
- timestamp – the date and time formatted as UNIX timestamp (number of seconds since 01/01/1970) of when the delivery report was received
- status – one of the following:
 - DELIVERED: message has been delivered to the handset
 - NOTDELIVERED: message has not been delivered to the handset
 - REJECTED: message has not been accepted by the mobile operator
 - BILLING_ERROR: the premium MT message could not be billed because of lack of credit
 - UNKNOWN: no further information has been provided by the mobile operator
 - EXPIRED: the time to live for the message has expired
 - DELETED: the message has been removed from the queue by the mobile operator
 - BLACKLISTED: the destination number cannot receive messages from this service

Example:

<http://your.server.com/sms/receive?type=delivery&id=1×tamp=1105342180&status=DELIVERED>