

MCM HTTPAPI Documentation – SMS Gateway

API for SMS Gateway in GLOBALMOUTH mobile communication platform, **Mobile Communication Manager**.

Rev 1.0

- Documentation started

Rev 1.1

- Added documentation for channel parameter on MTSM
- Added documentation for receiving MOSM

Rev 1.2

- SSL/HTTPS support
- Retry on error when receiving MOSM
- Removed URL parameter
- Added missing parameter for MOSM

1 MTSM

Parameter name	Description	Required
username	The username given by GLOBALMOUTH	yes
msisdn	Number of recipient in international form (+NNXXYYYYYYY)	yes
body	Body of the short message. GLOBALMOUTH platform automatically concatenates if longer than 160 characters	yes
originator	Alphanumeric: max 11 characters Numeric: max 16 characters Shortcodes: provisioned by GLOBALMOUTH	no
ref	Customers own reference, needed when requesting deliveryreport	no (see 1.1)
extRef	In case of billed MT-SM, reference from GLOBALMOUTH is required	no (see 3)
dlr	Request delivery report. Values accepted: "true" or "false"	no (see 1.1)
filter	Apply MCM blocklist and faillist filters, "true" or "false".	no
bill	The amount to bill the customer	no
channel	Messaging channel, provided by GLOBALMOUTH if needed	no
hash	Authentication for the sendout	yes (see 1.3)

Parameter name	Description	Required

1.1 General information

All parameter MUST be encoded with ISO-8859-1 (Latin1) encoding, and URL-encoded according to RFC2396 is preferred, where Swedish character “ä” is encoded as “%E4” and NOT “%C3%A4”.

API endpoint can be reached using HTTP GET at <http://mcm.globalmouth.com:8080/api/mcm>
or, if SSL is preferred, at <https://mcm.globalmouth.com:8443/api/mcm>

1.2 Requesting delivery reports

Delivery reports can be requested by supplying parameters “dlr” AND “ref” when sending an MTSM.
Delivery reports are only delivered if the customer has supplied GLOBALMOUTH with an endpoint (see 2)

1.3 Authentication

To authenticate the customer, GLOBALMOUTH uses an MD5 checksum of a number of parameters in a given order, as follows in example below:

md5(username + body + originator + msisdn + md5(username + “:” + password))

Please note that the URL-encoding of each parameter must be done AFTER calculating the checksum.

1.4 Example

<http://host/path/to/servlet?username=globalmouth&body=Test&msisdn=%2b46700000001&originator=Globalmouth&hash=00af690098d62aa590c924ac34b2a2cd>

Java and PHP examples attached separately.

1.5 Response

GLOBALMOUTH will respond a successful request with “200\n{no. of messages sent}”.

Example, sending a message to a recipient:

200

1

1.6 Response codes

Code	Description
200	Everything ok, sending message
301	Internal server error
401	Parameter malformed – one or more parameters are not passed according to specification
402	Parameter missing – one or more required parameters are missing
404	Invalid authentication

2 Delivery Reports

Parameter name	Description
type	The type of request sent to the customer, in this case “dlr”
ref	The reference send by the customer in the original request.
msisdn	The msisdn of the recipient
timestamp	The timestamp when the delivery report was received, as yyyy-MM-dd'T'HH:mm:ssZ
delivered	If the message was delivered, “true” or “false”
reason	A short description if not delivered as specified below.

2.1 General information

Delivery reports can be sent to the customer on request, by specifying the “dlr” and “ref” parameters in the send request.

The delivery report is sent to the customer via HTTP as a GET request, to the endpoint specified by the customer.

All requests are sent in ISO-8859-1 encoding.

If GLOBALMOUTH platform is unable to connect to customers endpoint, it will retry every 3 minutes until successful.

2.2 Example

<http://customer/path/to/servlet?type=dlr&ref=myref&msisdn=%2b46700000001×tamp=2008-09-09T17%3A04%3A18%2B0200&delivered=true>

2.3 The “reason” parameter

May have one of the following values:

- Delivered
- Expired
- Rejected
- Format error
- Other error
- Subscriber unknown
- Subscriber barred
- Subscriber not provisioned
- SMSC Failure
- SMSC congestion
- SMSC roaming
- Handset error
- Handset memory exceeded
- Charging error
- Charging balance to low

3 MOSM

Parameter name	Description
type	The type of request sent to the customer, in this case "mosm"
ref	Reference supplied by GLOBALMOUTH, used for MTSM billing
receiver	Receiving number. Ex local short number 72401 or longnumber +46737494050
msisdn	Msisdn of the sender in international form (+NNXXYYYYYYY)
timestamp	Timestamp when the message was received, as yyyy-MM-dd'T'HH:mm:ssZ
body	Message body.

3.1 General information

The MOSM requests are sent to the customer via HTTP as a GET request, to the endpoint specified by the customer.

All requests are sent in ISO-8859-1 encoding.

3.2 Example

<http://path/to/customer/servlet?type=mosm&ref=1-12345678&msisdn=%2b46700000001&receiver=72401×tamp=2008-09-09T17%3A04%3A18%2B0200&body=test>

4 Contact information

Commercial related

Erik Jansson, CEO

Tel: +46 (0)730 378005

Email: erik.jansson@globalmouth.com

Implementing, testing or other technical questions

Claes Johansson, CTO

Tel: +46 (0)70 6664599

Email: claes.johansson@globalmouth.com

or

Michael Blom, Developer responsible for MCM

Tel: +46 8 4116780

Email: michael.blom@globalmouth.com

Support

For support, please email support@globalmouth.com and responsible support instance will be notified.

Global Mouth AB

Stureplan 6, 4th floor

S- 114 35 Stockholm, Sweden

Tel: +46 8 4116780

Email: info@globalmouth.com, tech@globalmouth.com

Web: <http://www.globalmouth.com>

MCM web interface: <http://mcm.globalmouth.com>