SMS-MT HTTP API

SILVERSTREET SMS-MT

Version 1.1

Date	Revision	Description
May 8 2012	1.0	Initial version
May 30, 2012	1.1	Minor textual change

INTRODUCTION

This document provides developers with instructions for integrating Silverstreet SMS-MT services into varios solutions using the Silverstreet SMS MT HTTP API.

The Silverstreet SMS-MT HTTP API supports GET and HTTP POST via both HTTP and HTTPS.

For more information on the Silverstreet SMS-MT HTTP API please send an email to our support department at support@silverstreet.com.

SUBMITTING SMS

To submit a SMS a HTTP GET or HTTP POST call can be performed to the following address:

http://api.silverstreet.com/send.php

To submit a SMS via HTTPS a call can be performed to:

https://api.silverstreet.com/send.php

The maximum length of a HTTP GET request is 4.096 bytes. When you send a SMS to multiple destinations you have to consider this maximum length. When you exceed the length you have to use HTTP POST.

Examples for sending a SMS:

http://api.silverstreet.com/send.php?username=test&password=test&destination=31134690886&sender=silver&body=This%20is%20a%test%20message

or

https://api.silverstreet.com/send.php?username=test&password=test&destination=31134690886&sender=silver&body=This%20is%20a%test%20message

MANDATORY PARAMETERS

The following parameters are mandatory when sending a SMS:

username	The username to connect to the API. Silverstreet will provide the username. The maximum length is 20 characters.
password	The password to connect to the API. Silverstreet will provide the password. The maximum length is 20 characters.
destination	Comma separated the destination(s) of the SMS. There is no limit on the maximum destinations which can be specified. The destination must be in international format, without leading 00 or +.
sender	The sender of the SMS. The maximum length of the sender is 16 for numeric (including +) and 11 for alphanumeric. Allowed characters are a-z, A-Z and 0-9.
body	The body of the SMS. For text SMS (bodytype 1 and 2) only GSM 7-bit alphabet is allowed. For Unicode or binary SMS only hex-numeric is allowed. The maximum length of the body is: • 160 chars for text SMS (bodytype 1 and 2) • 153 chars for concatenated text SMS (bodytype 1 and 2) • 70 hex-numeric chars for Unicode or binary SMS (bodytype 3 and 4)

OPTIONAL PARAMETERS

The following parameters are optional when sending a SMS:

bodytype	The type of the body of the SMS. Possible values are: • 1: text message • 2: flash message • 3: binary message • 4: Unicode message
reference	A unique reference for the SMS. The reference will be returned with the delivery report. When multiple destinations are specified they will have the same reference. The maximum length of the reference can be 30 characters and is in UTF-8. This field is mandatory when you want to receive delivery reports.
dlr	If a delivery reports should be returned or not. When set to 0 no delivery reports will be returned, when set 1 to delivery reports will be returned.
udh	The User Data Header. The UDH is used for sending binary SMS or concatenated text SMS. A correct UDH contains out of hex-numeric characters. For more information about the UDH, check the GSM 03.40 specification: http://www.3gpp.org/ftp/Specs/html-info/0340.htm.
validity	The relative validity of the SMS in minutes. If not specified a default validity will be used by the system. The default validity SMS is 3 days. The maximum validity is 7 days.
service	SMS service tag to be used as billing reference on statistics and invoice. The maximum length of the service can be 30 characters and is in UTF-8.

RESPONSE

When the SMS is sent, the system will give a response to the call. The following responses can be given:

Response	Description
01	The SMS is successfully accepted by the system. It doesn't mean that the SMS is successfully delivered to the handset. The delivery result will be reported via a delivery report.
100	Parameter(s) are missing.
110	Bad combination of parameters.
120	Invalid parameter(s).
130	Insufficient credits for the account.

RECEIVING DELIVERY REPORTS

After a SMS is successfully received by the system, a result will be send back to you. This will be via the callback URL for your account. When for a SMS multiple destinations are specified, for each destination a separate delivery report will be send.

The delivery reports will be send by the system with source IP address 195.88.18.2. This IP should be whitelisted on your side.

Your system has to respond with 'OK' when a delivery result is send to your system. In case a different response is given the URL will be retried. A URL will be retried maximum 25 times with an increasing interval.

Example callback URL:

http://www.yoururl.com/callback

The following parameters will be returned:

REFERENCE	The reference specified when sending the SMS to the system.
STATUS	The status of the SMS. The status can be one of the following values: Delivered, Undelivered, Rejected, Expired and Unknown.
REASON	When the status is not 'Delivered', a reason will be specified. For a list of possible reasons please contact support@silverstreet.com.
DESTINATION	The mobile number the SMS was sent to.
TIMESTAMP	The timestamp the SMS was delivered at the destination. The timestamp is in the format YYYYMMDDHHIISS.
OPERATOR	The network code of the operator of the mobile number.

Example:

http://www.yoururl.com/callback?REFERENCE=12345678&STATUS=Delivered&REASON=&DESTINATION=31134690886&TIMESTAMP=20120501120202&OPERATOR=20408