

SMTP Specifications

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1 Introduction

This document describes the SMTP interface for sending SMS messages using the Mobile Messaging Platform of HotSMS.

1.1 *Change history*

Date:	Change:
Sept. 25, 2002	Initial release
Mar. 20, 2003	Specification updated

2 Technical specifications

2.1 *Connection details*

In order to use this interface, the user has to send an e-mail message to the following e-mail address according to the specifications described in this document:

E-mail address: sms@wireless-services.nl

3 Parameters

To send SMS messages using the SMTP interface, the user has to send an e-mail message according to the specifications described in this document.

The general format of the e-mail message is as follows:

```
PARAMETER=VALUE\r\n
PARAMETER=VALUE\r\n
PARAMETER=VALUE\r\n
\r\n
DESTINATION,MESSAGE\r\n
DESTINATION,MESSAGE\r\n
DESTINATION,MESSAGE\r\n
...
```

The following parameters are defined:

Parameter:	Mandatory/Optional:	Description:
UID / CUID:	Mandatory	The username of the SMS account on the SMS gateway
PWD / CPWD:	Mandatory	The password of the SMS account on the SMS gateway
O:	Optional	Originator of the SMS message
ONUM:	Optional	Numeric originator
VAL:	Optional	Validity of the SMS message
FLASH:	Optional	Flash SMS message
DATE:	Optional	Delivery date and time
REP:	Optional	Replace code
NOT:	Optional	Notification request
REPLY:	Optional	Request confirmation e-mail
TEST:	Optional	Parameter for test purposes

3.1 Account username (UID / CUID)

UID contains the username of the account on the SMS gateway. It is not possible to use this interface without an existing account.

CUID can be used for extra security. If this parameter is used, the username is transmitted using base64 encoding.

3.2 Account password (PWD / CPWD)

PWD contains the password of the account on the SMS gateway. It is not possible to use this interface without an existing account.

CPWD can be used for extra security. If this parameter is used, the password is transmitted using base64 encoding.

3.3 Originator (O)

The originator can be either numeric or alphanumeric. In case of a numeric originator, the maximum length is 16 digits. In case of an alphanumeric originator, the maximum length is 11 characters.

Please note that numeric originators starting with 00<NUMBER> will be translated to <NUMBER> by the SMS gateway.

Default value: Originator specified in the user profile.

3.4 Originator type (ONUM)

This parameter applies when the originator is set to a numeric value, otherwise it will be ignored. ONUM has the following values:

Value:	Description:
0	Originator is in international format and will be prefixed by a + sign
1	Originator is in national format

Examples:

O=1234 and ONUM=0 will be displayed on the mobile phone as: **+1234**

O=1234 and ONUM=1 will be displayed on the mobile phone as: **1234**

Default value: 0

3.5 Validity (VAL)

This parameter indicates how long an SMS message should be stored in the mobile network when immediate delivery is impossible (e.g. mobile phone switched off). If the SMS message is not delivered after this time, it will be removed from the message queue. The value is in seconds and ranges from 180 (3 minutes) to 604800 (1 week).

Default value: 259200 (3 days)

3.6 Flash (FLASH)

A Flash message is displayed immediately on the screen of the mobile phone, without any action from the recipient. The possible values are 0 (OFF) and 1 (ON).

Default value: 0 (OFF)

3.7 Deferred delivery (DATE)

SMS messages can be delivered at a later date. To specify the exact date and time, the DATE parameter can be used. The format of the value is **YYYY-MM-DD,HH:MM**

Example:

2002-09-25,12:00

Default value: Immediate delivery

3.8 Replace code (REP)

Certain mobile phones have the feature to replace old SMS messages with a new one by replacing the old message, therefore not using any additional SMS storage in the memory of the mobile phone.

Please note:

- To replace an existing SMS message in the mobile phone, the recipient's phone has to support this feature. If not, the message will be treated as a normal SMS message and stored in a different memory location on the mobile phone.
- For this function to work, the originator and the REP-parameter have to be identical to the originator and REP-parameter of the message to be replaced.

To create multiple groups, the REP-parameter has seven possible values: 1, 2, 3, 4, 5, 6, 7

Default value: 0 (No replace)

3.9 Notification request (NOT)

Notification requests can be used to track the status of an SMS message. For each recipient, the SMS gateway will report the status to the user. To request notifications, the following values are defined:

Value:	Description:
0	Notifications off
1	Notifications to specified URL
2	Notifications to website of HotSMS only

Default value: 0 (OFF)

When notifications are requested, a reply e-mail message will be send to the user containing the result code of the e-mail message and an internal batch number per recipient. This batch number can be used to link a received notification to the correct SMS message.

Example e-mail response message:

```
31611111111=01:1000
31622222222=01:1001
31633333333=01:1002
```

Notifications are delivered to the user via HTTP or e-mail. The following parameters will be defined:

Parameter:	Description:
N	Recipient's mobile number
SENT	Date and time when the SMS message was sent to this subscriber
TIME	Date and time of the notification
BATCH	Batch number, used to link the notification to the correct SMS message
STATUS	Status of the SMS message: 100 – delivered 200 – not delivered, reason unknown (GSM network failure) 201 – not delivered, unknown subscriber 202 – not delivered, validity period expired 203 – not delivered, SMS blocked 204 – not sent, blocked prefix 205 – not sent, maximum amount of SMS messages reached for subscriber 206 – not sent, insufficient SMS balance 207 – not sent, validity period invalid 208 – not sent, account blocked

Please note:

Notification requests are chargeable and only enabled on request.

3.10 Reply message (REPLY)

Every e-mail message can be confirmed by a reply e-mail message. The gateway will respond to every e-mail request by sending the status of the message to the user's e-mail address specified in the **Reply-To** header or the **From** header. The possible values are 0 (OFF) and 1 (ON).

Default value: 1 (ON)

3.11 Testing (TEST)

For testing purposes, this parameter can be used to simulate the sending of an SMS message. During testing, all parameters are verified, but the actual SMS message is not send. The possible values are 0 (OFF) and 1 (ON).

Default value: 0 (OFF)

4 SMTP request and response

To send SMS messages using the SMTP interface the user has to:

- Format the e-mail message according to the specifications described in this document
- Send the e-mail message to the correct gateway e-mail address (see 2.1)

4.1 Example e-mail request

```
From:          your.email@addresss.com
To:           sms@wireless-services.nl
Subject:      Free to choose
```

```
UID=username
PWD=password
O=originator
```

```
31612345678,This is the first message
31612345679,And the second one
```

Please note:

Make sure the e-mail format is plain/text. HTML composed e-mail messages (e.g. send by Outlook) will bounce.

4.2 Server response

The server will respond with an e-mail message to the *Reply-To* or *From* field of the original e-mail **only** if a reply was requested (see 3.10).

In case the format of the e-mail message is incorrect, the following e-mail will be sent:

```
From:          support@wireless-services.nl
To:           [Reply-To] | [From]
Subject:      Re: [Subject]
```

Invalid message format

If the format is correct, the following e-mail will be send:

```
From:          support@wireless-services.nl
To:           [Reply-To] | [From]
Subject:      Re: [Subject]
```

```
31611111111=01
31622222222=01
31633333333=01
...
```

Per recipient a result code will be returned. The following result codes are defined:

Value:	Description:
01	OK, message sent
99	Invalid username and/or password
98	Insufficient SMS balance
97	Parameter syntax error
96	Blocked account
95	Internal error, please try again
94	Duplicate batch ID

5 Support

For further questions please contact support@hotsms.com