

# MC@st SMS Service: Client Developer's Guide

## Connecting through HTTP Interface

The service allows messages sent to MTech's gateway to be passed as parameter values in a URL for HTTP POST or HTTP GET action. The parameters expected to be delivered through the HTTP interface are the ***username, password, senderId, phone number*** and the text ***message*** to be sent. The expected format of this URL is as shown below, the main URL will be provided by MTech upon request:

[http://anydomain/subdomain/sentSMS?username=<providedusername>&pwd=<provided\\_pwd>&senderId=<SenderId>&phoneNo=<MSISDN>&message=<TEXTMESSAGE> &responsetype=<response format>](http://anydomain/subdomain/sentSMS?username=<providedusername>&pwd=<provided_pwd>&senderId=<SenderId>&phoneNo=<MSISDN>&message=<TEXTMESSAGE> &responsetype=<response format>)

### 1.1.1 The Parameters and their meanings

Parameters	Description
<b>Username</b>	MCast account userID
<b>Pwd</b>	MCast account password
<b>senderId</b>	Message sender
<b>phoneNo</b>	Message recipient
<b>message</b>	This is the message to be delivered.
<b>responsetype (optional)</b>	This specifies the format of the response message. Accepted values include: <b>json</b> (JSON Format), <b>xml</b> (XML format) and <b>text</b> (Plain Text Format).

**N.B:** *Phone Number Format: Numeric values of length between 6 and 18 are allowed. Also the URL Encoded equivalent of the plus(+) symbol is allowed (Optional).*

### 1.1.2 Responses to the HTTP Calls to send SMS

There are several responses that could come as the response when the MCAST WS HTTP URL is called. They are as follows:

Responses	Description
<b>Message Sent Successfully</b>	Denotes that a message has been sent.
<b>Login not successful</b>	Invalid Login Details
<b>You must specify a Username and password</b>	Username or Password not Specified
<b>You do not have sufficient credit</b>	Insufficient Credit
<b>Error</b>	Error connecting to the server
<b>Wrong Phone Number format</b>	Wrong Phone Number format

Incomplete Send parameters	Incomplete Send parameters
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A **messageid** is always appended to the response of successfully sent messages. By default, a response message is represented in **plain text** format. Other formats include **XML** and **JSON** formats. A sample response in various formats for a message sent successfully is displayed below:

**Plain Text:**

Message Sent Successfully. [ message\_id: <alphanumeric value> ]

**XML:**

```
<output message_id="<alphanumeric value">
  <result>
    Message Sent Successfully. [ message_id: <alphanumeric value>]
  </result>
</output>
```

**JSON**

```
{"msg_id": "<alphanumeric value>", "result": " Message Sent Successfully. [ message_id:
<alphanumeric value>]"}
```

### 1.1.3 Handling Delivery Reports

The delivery status of sent messages can be viewed through the following ways:

#### Reporting URL

The parameters expected to be passed to this URL include the **username** and **password** of the **mcast user** and the **messageid** of the sent message. The expected format of this URL is as shown below, the main URL will be provided by MTech upon request:

[http://anydomain/subdomain/report?username=<providedusername>&pwd=<provided\\_pwd>&messageid=<provided\\_messageid>](http://anydomain/subdomain/report?username=<providedusername>&pwd=<provided_pwd>&messageid=<provided_messageid>)

#### Parameters and their descriptions

Parameters	Description
<b>Username</b>	MCast account userID
<b>Pwd</b>	MCast account password
<b>messageid</b>	Sent message unique id

Displayed below is a sample response shown when the reporting URL is called successfully:

**Status:** <message status> **Time Submitted:** <message sent time> **Time Delivered:** <message delivery time>  
**Message:** <message text> **Sender:** <message sender> **Message ID:** <alphanumeric value>

## MCAST Website

Clients with registered accounts can log on to [www.mcastmessaging.com](http://www.mcastmessaging.com) to view delivery reports of sent messages. These delivery reports can be viewed by accessing the Daily Summary page on the website.

## Message Status and their Meanings

The following delivery report status messages are described below:

1. **SUBMITD or SUBMITTED:** This means that the sent messages have been successfully received by MTech's SMS gateway successfully. This happens instantaneously.
2. **SENT or ACKD or NOTACK or NOT\_SENT:** This means that the sent messages have been received by the network operators or vice versa. **SENT** or **ACKD** denotes a successful transaction with the operator while **NOTACK** or **NOT\_SENT** states otherwise.
3. **DELIVRD or DELIVERED or REJECTD or UNDELIV or EXPIRED:** These response messages denote if sent messages are delivered to recipient phones from the network operator. **DELIVRD** or **DELIVERED** states that the message was successfully delivered to the phone while **REJECTD** or **UNDELIV** or **EXPIRED** states otherwise.

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