



Greener SMS Energy...

## HTTP CONNECTION API SPECIFICATION

### PURPOSE OF DOCUMENTATION

The Purpose of this document is to provide third party integrators and users all the help required to use the SMSDAM Bulk SMS platform using HTTP specification. This document gives subscribers and users a complete guide on how to send text messages from their own websites or applications.

### VALIDATION OF USER

Before submitting message to the SMSDAM Gateway, the gateway needs to authenticate or validate if the request is coming from a valid source or not. This validation is done using following parameters:

Parameter	Description
IP Addresses	Keyed into the SMSDAM database via the developer's center
Username	Username of the given account (mostly an email address)
Password	Password of the account

The username and password is provided by the client during registration for the web service on the SMSDAM Gateway.

The client can check for validation by hitting the gateway URL with their respective username/password parameter values.  
HTTP URL for User Validation

<http://smsdam.com/bulksms/?action=login&username=xxxx&password=xxx>

Response:

Parameter	Return Values
Valid username & password	True
Invalid username & password	False

Example:

<http://smsdam.com/bulksms/?action=login&username=laura@infodam.com&password=mypasswd>

The URL would return “true” for a valid username & password combination else it will return “false”.

## **Messaging**

For sending text message, the gateway requires various parameters including username & password for validation purposes. All the parameters need to be sent via HTTP protocol using the GET method.

For sending SMS messages the following SMSDAM Gateway URL need to be accessed with the required parameters:

<http://smsdam.com/bulksms/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx&mobile=2348088888888&sender=xxxxxxx>

The following are the parameters required:

<b>Parameters</b>	<b>Description</b>
Domain Name	Domain Name eg smsdam.com
Username	Username created by user during signup.
Password	Password to the service
Message	Text Message
Mobile	Destination Mobile Number
Sender	Sender ID of the message

SMSDAM has various SMSC connection which is set automatically while sending messages.

### **Message parameters in detail.**

Example:

<http://smsdam.com/bulksms/?action=bulksms&username=laura@smsdam.com&password=mypasswd&message=Howdy,+whats+up&mobile=2348099999999&sender=Jude>

### **Response:**

The response values would depend on the gateway assigned to the customer for sending messages.

Following is the list of values return by the server on submission of sms via HTTP.

Return	Code Description
1200	Request Timeout
1201	Message Sent Successfully
1202	Invalid IP
1203	Incorrect Username or Password
1204	Insufficient Credits
1205	Invalid url Submission
1206	Invalid Mobile
1207	Invalid Sender Id
1208	Invalid Message length
1209	Message Empty

## Message Parameters In Details

### Domain Name (domain name)

User's account details on SMSDAM

### Username (Username)

The username parameter value is passed for validation purposes. The username is

The same as that which is supplied by the client while registering on SMSDAM.

The username (username) parameter is the email address with which you signed up on SMSDAM, with no spaces.

### Password Parameter (password)

The password parameter value is also passed in combination with the username for validation purposes. The password is created by the client along with the username when he registers with SMSDAM for sending SMS messages through the Gateway.

### Mobile Number Parameter (mobile)

The mobile number parameter refers to the destination mobile number to which the message is to be sent.

However, the mobile number is required to be in a specific format. Any error in this parameter value would lead to non-delivery of the message.

The mobile number should contain only numbers. It must also include the country code at the start beginning.

It should not contain any symbols (+) or zero (0) etc. and it must be a valid mobile Number

### Message Parameter (message)

The message parameter refers to the actual message that is to be sent to the destination mobile (mobile). The message parameter may consist of up to 160 characters belonging to the following set:

· A...Z a...z 0...9

- Blank space
- The meta characters \ (line feed)

Due to restrictions in the HTTP protocol format, the following special characters must be encoded in order not to collide with reserved HTTP characters:

Character must be encoded as:

Character	Hexa-decimal Encoded String
&	%26
+	%2B
%	%25
#	%23
=	%3D

For simple text messages, the message can contain numbers, alphabets, spaces and certain special characters. However, the message can contain a maximum of 160 characters, including spaces.

### Sender Id (sender)

The sender parameter refers to the message dispatcher or the From clause (THE SENDER), from whom the message is sent.

The sender can be an eleven character alphanumeric string. The sender Id is an optional clause. In case the sender Id is not specified, SMSDAM is sent as the sender to the destination mobile.

Sender ID can only be made up of alphabets & digits. It cannot contain any special characters such as (-,+) etc.

## SMS Examples

### Sending single text message

<http://smsdam.com/bulksms/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx&mobile=9999999999&sender=xxxxxxx>

For example the completed URL is:

<http://smsdam.com/bulksms/?action=bulksms&username=ben@infodam.com&password=myspasswd&message=TestMessage&mobile=238088888888&sender=joe>

### Sending Multiple text message

<http://smsdam.com/bulksms/?action=bulksms&username=xxxx&password=xxxxx&message=xxxxxx&mobile=238088888888,238088888888,238088888888,238088888888,238088888888&sender=xxxxxxx>

The above Url is the basic HTTP BULK link structure where the details about each parameter is given below:

For example the completed URL is:

<http://smsdam.com/bulksms/?action=bulksms&username=sam@infodam.com&password=mypasswd&message=TestMessage&mobile=238088888888,238088888888,238088888888,238088888888,238088888888&sender=Kenny>

### **Checking Customer Messaging Details**

To check the account details use the following link:

<http://smsdam.com/bulksms/?action=smscredit&username=xxxx&password=xxxxx>

For example the completed URL is:

<http://smsdam.com/bulksms/?action=smscredit&username=danny@infodam.com&password=mypasswd>

Above link will give total remaining credits in the specified account.

**Note:** For safety delivery using http protocol we advise that contact numbers are grouped in batches of 100. Developer could create a script to loop until all messages are sent in batches of 100