

ATL InfoTech

Bulk SMS API

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1. Introduction

This document covers instructions for integrating **SMS Broadcasting** service into different systems using our application programming interface (API). Using this API you can submit requests for broadcasting, get delivery reports (only numbers or detailed) and information about remained units in your account.

All requests are HTTP POST requests with XML body sent to the appropriate host and port. Responses to submitted requests will be in XML form too. To issue a request you will be supplied with personal account.

At the end you can find response codes and their descriptions as a result of sent requests.

<https://click.atlsms.az/bulksms/api>

2. Submit requests for broadcasting

To submit a request for broadcasting you must prepare XML string with elements from the following table and submit as body of the HTTP POST request.

| request | head | operation | Type of operation, "submit" in this case |
|---------|------|-------------|--|
| | | login | Supplied login |
| | | password | Supplied password |
| | | title | Message title |
| | | bulkmessage | Message for all recipients, if isbulk is "true" |
| | | scheduled | Scheduled date for broadcasting, "YYYY-MM-DD HH:mm:ss" |
| | | isbulk | "true" - bulkmessage will be used for all recipients "false" - individual messages will be used |
| | body | msisdn | Recipients phone number |
| | | message | Individual message for current recipient |

Examples:

Request (bulk):

```
<?xml version="1.0" encoding="UTF-8"?>
<request>
  <head>
    <operation>submit</operation>
    <login>login</login>
    <password>password</password>
    <title>TITLE</title>
    <bulkmessage>message</bulkmessage>
    <scheduled>2011-10-01 15:40:05</scheduled>
    <isbulk>true</isbulk>
    <controlid>111</controlid>
  </head>
  <body>
    <msisdn>994519574083</msisdn>
  </body>
  <body>
    <msisdn>994518989447</msisdn>
  </body>
</request>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
  <head>
    <responsecode>000</responsecode>
  </head>
  <body>
    <taskid>4837</taskid>
  </body>
</response>
```

Request (individual):

```
<?xml version="1.0" encoding="UTF-8"?>
<request>
  <head>
    <operation>submit</operation>
    <login>login</login>
    <password>password</password>
    <title>TITLE</title>
    <scheduled>2011-10-01 15:40:05</scheduled>
    <isbulk>>false</isbulk>
    <controlid>111</controlid>
  </head>
  <body>
    <msisdn>994519574083</msisdn>
    <message>message one</message>
  </body>
  <body>
    <msisdn>994518989447</msisdn>
    <message>message two</message>
  </body>
</request>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
  <head>
    <responsecode>000</responsecode>
  </head>
  <body>
    <taskid>4837</taskid>
  </body>
</response>
```

After successful operation you will get `taskid`. With this value you can get delivery reports.

3. Get delivery reports (only numbers)

To get a report you must prepare XML string with elements from the following table and submit as body of the HTTP POST request. This kind of report contains only numbers.

| request | head | operation | Type of operation, "report" in this case |
|---------|------|-----------|---|
| | | login | Supplied login |
| | | password | Supplied password |
| | | taskid | Unique id of the submitted request for broadcasting |

Examples:

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<request>
  <head>
    <operation>report</operation>
    <login>login</login>
    <password>password</password>
    <taskid>4837</taskid>
  </head>
</request>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
  <head>
    <responsecode>000</responsecode>
  </head>
  <body>
    <pending>0</pending>
    <delivered>1</delivered>
    <failed>1</failed>
    <removed>0</removed>
    <error>0</error>
  </body>
</response>
```

Descriptions of the statuses are as followed:

| | |
|-----------|------------------------------------|
| pending | Message is queued |
| delivered | Message was successfully delivered |
| failed | Message delivery failed |
| removed | Message was removed from list |
| error | System error |

4. Get detailed delivery reports

To get a detailed report you must prepare XML string with elements from the following table and submit as body of the HTTP POST request. This kind of report contains full report.

| request | head | operation | Type of operation, "detailedreport" in this case |
|---------|------|-----------|---|
| | | login | Supplied login |
| | | password | Supplied password |
| | | taskid | Unique id of the submitted request for broadcasting |

Examples:

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<request>
  <head>
    <operation>detailedreport</operation>
    <login>login</login>
    <password>password</password>
    <taskid>4837</taskid>
  </head>
</request>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
  <head>
    <responsecode>000</responsecode>
  </head>
  <body>
    <msisdn>994519574083</msisdn>
    <message>message one</message>
    <status>2</status>
  </body>
  <body>
    <msisdn>994518989447</msisdn>
    <message>message two</message>
    <status>3</status>
  </body>
</response>
```

Descriptions of the statuses are as followed:

| | |
|---|------------------------------------|
| 1 | Message is queued |
| 2 | Message was successfully delivered |
| 3 | Message delivery failed |
| 4 | Message was removed from list |
| 5 | System error |

5. Get remained units

To get remained units in your account you must prepare XML string with elements from the following table and submit as body of the HTTP POST request.

| request | head | operation | Type of operation, "units" in this case |
|---------|------|-----------|---|
| | | login | Supplied login |
| | | password | Supplied password |

Examples:

Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<request>
  <head>
    <operation>units</operation>
    <login>login</login>
    <password>password</password>
  </head>
</request>
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<response>
  <head>
    <responsecode>000</responsecode>
  </head>
  <body>
    <units>234</units>
  </body>
</response>
```

6. Response Codes

| Code | Description |
|------|--|
| 000 | Operation is successfull |
| 001 | Processing, report is not ready |
| 002 | Duplicate <control_id> (it must be unique for each task) |
| 100 | Bad request |
| 101 | Operation type is empty |
| 102 | Invalid operation |
| 103 | Login is empty |
| 104 | Password is empty |
| 105 | Invalid authentication information |
| 106 | Title is empty |
| 107 | Invalid title |
| 108 | Task id is empty |
| 109 | Invalid task id |
| 110 | Task with supplied id is canceled |
| 111 | Scheduled date is empty |
| 112 | Invalid scheduled date |
| 113 | Old scheduled date |
| 114 | isbulk is empty |
| 115 | Invalid isbulk value, must "true" or "false" |
| 116 | Invalid bulk message |
| 117 | Invalid body |
| 118 | Not enough units |
| 235 | Invalid TITLE please contact Account Manager |
| 2XX | System error, report to administrator |
| 300 | Internal server error, report to administrator |