

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.

## 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