

# eGov

# SMS Bulk System

# API Connectivity

## V. 2.4

\*\* قبل البدء بتطبيق ما ورد أدناه، يرجى العمل على إنشاء مستخدم خاص لعملية الإرسال من خلال الـ API وذلك من خلال الطلب من ضابط ارتباط الحكومة الالكترونية في مؤسستك، حيث يتم إنشائه من خلال بوابة الرسائل القصيرة: <https://bulksms.arabiacell.net>

## 1. Send SMS API:

[https://bulksms.arabiacell.net/index.php/api/send\\_sms/send](https://bulksms.arabiacell.net/index.php/api/send_sms/send)

- For the user name and password please to use the below with your account user name and password:

Authentication:

**Method:**

Basic Authentication

Example: "Authorization: Basic Base64(username + ":" + password)".

- **Method :** POST
- **Body Parameters**

Parameter Name	Description
mobile_number (Mandatory)	Mobile number of the user. Mobile number should be in the international format, example 962790000000
msg (Mandatory)	SMS text.
delivery_date (Optional)	Message sending date, the date should be with format (yyyy-mm-dd hh:mm).
from (Mandatory)	Sender ID or name already reserved and defined over the Bulk SMS Interface.
tag (Mandatory)	Message Type: <ol style="list-style-type: none"><li>1. اعلام عن حالة معاملة</li><li>2. توعية وارشادية</li><li>3. ترويجية</li><li>4. اتصال داخلي</li></ol>
dlr (Optional)	Request delivery report on the sent messages, <ol style="list-style-type: none"><li>1: Delivered messages.</li><li>2: Undelivered messages.</li><li>3: All messages delivery statuses (Delivered and Undelivered).</li></ol>

- **API Responses:**

Response code: 201

In case of success message submitting to the Bulk SMS Sender, the below are the possible return messages,

- I01-SMS (SMS ID) queued for processing. (For messages with message date equal to the current date and time)
- I02-SMS (SMS ID) has been scheduled. (For messages with message date greater than the current date and time)

And below are listing of possible errors could be returned by the system.

- **Errors:**

Error Code	Description
E01	Invalid USERNAME or PASSWORD. (401 Response code)
E02	Account Expired. (401 Response code)
E03	Wrong IP. (401 Response code)
E04	Empty SMS message. (400 Response code)
E05	Invalid mobile number. (400 Response code)
E06	SMS balance already expired. (400 Response code)
E07	SMS balance already consumed. (400 Response code)
E08	Database error. (400 Response code)
E010	Invalid delivery date. (400 Response code)
E011	Date and time for scheduled messages should be greater than the current date and time. (400 Response code)
E012	You cannot schedule SMS job(s) after SMS expiry date. (400 Response code)
E013	You cannot schedule SMS job(s) after account expiry date (400 Response code)
E014	Not allowed to send SMS through HTTP interface. (400 Response code)
E015	SMS message exceeded the max size for the selected language. (400 Response code)

<b>E016</b>	Invalid sender ID, sender ID must be in English chars and less than or equal 11 in length, space and special characters not allowed. (400 Response code)
<b>E021</b>	dlr-url length exceeded 100 chars. (400 Response code)
<b>E022</b>	dlr values should be 1, 2 or 3 only. (400 Response code)
<b>E035</b>	Empty or wrong tag value. (400 Response code)

## 2. View Account details and Scheduled Messages API:

[https://bulksms.arabiacell.net/index.php/api/get\\_info/get?type=n](https://bulksms.arabiacell.net/index.php/api/get_info/get?type=n)

- **Method :** GET
- **Body Parameter:**

Parameter Name	Description
type <small>(Optional)</small>	0 : to list all the scheduled messages. 1 : return user credit details (SMS balance), SMS expiry date, Sub-account expiry date and allowed Sender IDs (Comma separated)

- **API Responses:**

Response code: 200

In case of success request, the returned values will be one of the responses mentioned in the description column for parameter (type).

And below are listing of possible errors could be returned by the system.

- **Errors:**

Error Code	Description
<b>E01</b>	Invalid USERNAME or PASSWORD. (401 Response code)
<b>E02</b>	Account Expired. (401 Response code)
<b>E03</b>	Wrong IP. (401 Response code)
<b>E04</b>	no schedule tasks. (400 Response code)

### 3. Return Messages API Delivery Reports :

<https://bulksms.arabiacell.net/index.php/index.php/api/status/get?smsId=n>

- **Method :** GET
- **Body Parameter**

Parameter Name	Description
smsId (Optional)	n : return delivery status for this message empty : return delivery status for all messages

- **API Responses:**

Response code: 200

In case of success request, the returned delivery status will be one of the responses mentioned in the description column for parameter (smsId).

And below are listing of possible errors could be returned by the system.

- **Errors:**

Error Code	Description
<b>E01</b>	Invalid USERNAME or PASSWORD. (401 Response code)
<b>E02</b>	Account Expired. (401 Response code)
<b>E03</b>	Wrong IP. (401 Response code)
<b>E04</b>	No delivery status for response. (400 Response code)

## 4. Send BULK SMS API:

[https://bulksms.arabiacell.net/index.php/api/send\\_bulk\\_sms/send](https://bulksms.arabiacell.net/index.php/api/send_bulk_sms/send)

- For the user name and password please to use the below with your account user name and password:

Authentication:

**Method:**

Basic Authentication

Example: "Authorization: Basic Base64(username + ":" + password)".

- **Method :** POST
- **Body Parameters**

Parameter Name	Description
<b>bulksms</b> (Mandatory if no msgs parameter)	Xls file with 2 columns (first column mobile number and the second column message )
<b>msgs</b> (Mandatory if no file bulksms)	Json encode with numbers and messages to numbers { "078xxxxxxx": "test", "96278xxxxxxx": "test2" }
<b>delivery_date</b> (Optional)	Message sending date, the date should be with format (yyyy-mm-dd hh:mm).
<b>from</b> (Mandatory)	Sender ID or name already reserved and defined over the Bulk SMS Interface.
<b>tag</b> (Mandatory)	Message Type: <ol style="list-style-type: none"> <li>1. اعلام عن حالة معاملة</li> <li>2. توعوية وارشادية</li> <li>3. ترويجية</li> <li>4. اتصال داخلي</li> </ol>
<b>dlr</b> (Optional)	Request delivery report on the sent messages, <ol style="list-style-type: none"> <li>1: Delivered messages.</li> <li>2: Undelivered messages.</li> <li>3: All messages delivery statuses (Delivered and Undelivered).</li> </ol>
<b>dlr-url</b> (Optional)	URL to be fetched if the dlr parameter is present. Bulk SMS Sender will replace parameter '%d' in the provided URL with 1 for delivery success or 2 for delivery failure, URL must be encoded and length should not exceed 100 chars.

- **API Responses:**

Response code: 201

In case of success message submitting to the Bulk SMS Sender, the below are the possible return messages,

- I01-SMS (SMS ID) queued for processing. (For messages with message date equal to the current date and time)
- I02-SMS (SMS ID) has been scheduled. (For messages with message date greater than the current date and time)

And below are listing of possible errors could be returned by the system.

- **Errors:**

Error Code	Description
E01	Invalid USERNAME or PASSWORD. (401 Response code)
E02	Account Expired. (401 Response code)
E03	Wrong IP. (401 Response code)
E04	Empty SMS message. (400 Response code)
E05	Invalid mobile number. (400 Response code)
E06	SMS balance already expired. (400 Response code)
E07	SMS balance already consumed. (400 Response code)
E08	Database error. (400 Response code)
E010	Invalid delivery date. (400 Response code)
E011	Date and time for scheduled messages should be greater than the current date and time. (400 Response code)
E012	You cannot schedule SMS job(s) after SMS expiry date. (400 Response code)
E013	You cannot schedule SMS job(s) after account expiry date (400 Response code)

<b>E014</b>	Not allowed to send SMS through HTTP interface. (400 Response code)
<b>E015</b>	SMS message exceeded the max size for the selected language. (400 Response code)
<b>E016</b>	Invalid sender ID, sender ID must be in English chars and less than or equal 11 in length, space and special characters not allowed. (400 Response code)
<b>E021</b>	dlr-url length exceeded 100 chars. (400 Response code)
<b>E022</b>	dlr values should be 1, 2 or 3 only. (400 Response code)
<b>E025</b>	Cannot send message this time please contact administrator. (400 Response code)
<b>E026</b>	ERROR mobile number. (400 Response code)
<b>E035</b>	Empty or wrong tag value. (400 Response code)

## 5. Send BULK SMS MULTIPLE INFO API:

[https://bulksms.arabiacell.net/index.php/api/send\\_bulk\\_sms\\_multi\\_info/send](https://bulksms.arabiacell.net/index.php/api/send_bulk_sms_multi_info/send)

- For the user name and password please to use the below with your account user name and password:

Authentication:

**Method:**

Basic Authentication

Example: "Authorization: Basic Base64(username + ":" + password)".

- **Method :** POST



- **Body Parameters**

Parameter Name	Description
<b>bulksms</b> (Mandatory if no msgs parameter)	<p>Xls file with :</p> <p>{Phone} column 1 =&gt; required (phone number)            {msg} column 2 =&gt; required (string)            {header} column 3 =&gt; required (string)            {tag} column 4 =&gt; required (integer) (1,2,3,4)            {date} column 5 =&gt; optional (date) (yyyy-mm-dd hh:mm)            {dlr} column 6 =&gt; optional (integer) (1,2,3)            {dlr-url} column 7 =&gt; optional (string)</p>
<b>msgs</b> (Mandatory if no file bulksms)	<p>Json encode with numbers and messages to numbers            example :</p> <pre>[   ["078XXXXXXX","{msg}","{header},{tag},{date},{dlr},{dlr-url}",   ["96278XXXXXXX","{msg}","{header},{tag},{date},{dlr},{dlr-url}"] ]</pre> <p>{msg} =&gt; required (string)            {header} =&gt; required (string)            {tag} =&gt; required (integer) (1,2,3,4)            {date} =&gt; optional (date) (yyyy-mm-dd hh:mm)            {dlr} =&gt; optional (integer) (1,2,3)            {dlr-url} =&gt; optional (string)</p>

- **API Responses:**

Response code: 201

In case of success message submitting to the Bulk SMS Sender, the below are the possible return messages,

- I01-SMS (SMS ID) queued for processing. (For messages with message date equal to the current date and time)
- I02-SMS (SMS ID) has been scheduled. (For messages with message date greater than the current date and time)

And below are listing of possible errors could be returned by the system.

- **Errors:**

Error Code	Description
<b>E01</b>	Invalid USERNAME or PASSWORD. (401 Response code)
<b>E02</b>	Account Expired. (401 Response code)
<b>E03</b>	Wrong IP. (401 Response code)
<b>E04</b>	Empty SMS message. (400 Response code)
<b>E05</b>	Invalid mobile number. (400 Response code)
<b>E06</b>	SMS balance already expired. (400 Response code)
<b>E07</b>	SMS balance already consumed. (400 Response code)
<b>E08</b>	Database error. (400 Response code)
<b>E010</b>	Invalid delivery date. (400 Response code)
<b>E011</b>	Date and time for scheduled messages should be greater than the current date and time. (400 Response code)
<b>E012</b>	You cannot schedule SMS job(s) after SMS expiry date. (400 Response code)
<b>E013</b>	You cannot schedule SMS job(s) after account expiry date (400 Response code)
<b>E014</b>	Not allowed to send SMS through HTTP interface. (400 Response code)
<b>E015</b>	SMS message exceeded the max size for the selected language. (400 Response code)
<b>E016</b>	Invalid sender ID, sender ID must be in English chars and less than or equal 11 in length, space and special characters not allowed. (400 Response code)
<b>E021</b>	dlr-url length exceeded 100 chars. (400 Response code)
<b>E022</b>	dlr values should be 1, 2 or 3 only. (400 Response code)
<b>E025</b>	Cannot send message this time please contact administrator. (400 Response code)
<b>E026</b>	ERROR mobile number. (400 Response code)
<b>E035</b>	Empty or wrong tag value. (400 Response code)

Example of Response:

```
{
  "status": 201,
  "message": [
    {
      "status": "I01",
      "error_desc": "I01-Job (6890984) queued for processing."
    },
    {
      "status": "I01",
      "error_desc": "I01-Job (6890985) queued for processing."
    }
  ],
  "data": []
}
```