

# Web SMS API

This technical document is intended for developers who wish to use the cyta's web sms API for sending messages, and describes the various programming methods and commands used by developers when using this API. To use this API, you need to be a registered member of [www.cyta.com.cy](http://www.cyta.com.cy) Once you have registered and been activated you will receive 10 free sms per day while the rest of the sms you sent will be charged to the mobile number you registered. Sample code is provided on the site.

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## 1.1 Sending SMS

To send a SMS make an authorized POST request to:

<https://www.cyta.com.cy/cytamobilevodafone/dev/websmsapi/sendsms.aspx>

including a <websms api> element in the request body formatted as XML

### **SMS sending using XML format**

```
POST https://www.cyta.com.cy/cytamobilevodafone/dev/websmsapi/sendsms.aspx HTTP/1.1
Host: www.cyta.com.cy
Content-Type: application/xml; charset="utf-8"
Content-Length: 425
Connection: close

<?xml version="1.0" encoding="UTF-8" ?>
<websmsapi>
  <version>1.0</version>
  <username>SomeUser</username>
  <secretkey>b3ce8bca78e8422fa72dcd549f9b33aa</secretkey>
  <recipients>
    <count>3</count>
    <mobiles>
      <m>9xxxxxx1</m>
      <m>9xxxxxx2</m>
      <m>9xxxxxx3</m>
    </mobiles>
  </recipients>
  <message>ΓΕΙΑ ΣΑΣ ΑΠΟ ΤΟ cyta web sms API</message>
  <language>el</language>
</websmsapi>
```

### **The <websms api> element structure**

- **username:** cyta mobile account username
- **secretkey:** the secret key generated and displayed by the [web sms api page](#).
- **recipients**
  1. **count:** acts as a checksum between the client and cybee as far as the number of recipients is concerned. When the Recipient mobile numbers are parsed and counted by our engine, the count should match the <count> value set by your application.
  2. **mobiles:** mobile numbers to receive the sms message in the format of 9xxxxxx. There is a maximum of 500 mobile numbers. International mobile numbers are not allowed.
- **message:** Sms message text. Greek characters are capitalized when sent (GSM 7bit character set).
- **language:** permitted values EN/EL. This setting defines the language of the text our engine appends at the end of your message Ex. "From:" or "Από:"

# Important Notes

## XML

XML elements are CASE SENSITIVE. Make sure to use lower case for xml tags.

The following characters are not valid in XML and should be replaced.

Invalid Characters	Replace With
<	&lt;
>	&gt;
"	&quot;
'	&apos;
&	&amp;

## Content Length

Make sure that the Content-Length value is set to the exact number of characters included in your content.

- Accented and special characters might count as two characters.
- When determining Content Length you should also include the number of characters that are appended at the end of each message by our engine. The appended text includes the sender information and also due to regulation it provides instructions to the recipient how to stop receiving messages from cybee web sms. The appended text format depending on the language :

Language=EN

```
{line feed}FROM:{space}[username]{space}[mobile number]
{line feed}CALL{space}80001088{space}TO{space}STOP
```

Language=EL

```
{line feed}ΑΠΟ:{space}[username]{space}[mobile number]
{line feed}CALL{space}80001088{space}ΤΟ{space}STOP
```

Ex

```
Hello from cyta web sms api
FROM: Some.User1 99610455
CALL 80001088 TO STOP
```

- {line feed} and {space} are counted as 1 character each

**Maximum** Content-Length (hence message size) is limited to **612** characters (charged as 4 sms).

The number of characters in a message determines the number of SMS messages that will be sent as shown by the table below:

Message Length	Number of SMS sent
Less Than 160 ( < 160 )	1
Between 161 and 305 ( >=161 and <=305 )	2
Between 306 and 458 ( >=306 and <=458 )	3
Between 459 and 612 ( >=459 and <=612 )	4

# 1.2 SMS sending response

A successful response consists of a **200 OK** HTTP status with a header and body including an xml reply.

```

HTTP/1.1 200 OK
Content-Length: 113
Content-Type: application/xml; charset=utf-8
Connection: close

<?xml version="1.0" encoding="UTF-8" ?>
<websmsapi><status>0</status><lot>DFGR5XVR38</lot></websmsapi>
    
```

The **<lot>** element uniquely identifies each lot of messages sent.

The **<Status>** element is the web sms API response to your request. Status values are explained in the following Summary and Analytical Status tables.

### Summary Status Table

Status Ranges	Description
0	Success
1-9	Send SMS Errors
10-19	Authentication Errors
20-39	Validation Errors
90-99	Exceptions

### Analytical Status Table

Status	Description
0	Send Sms success
1	You are not allowed to use the service
2	The service is suspended
9	Generic send sms failure
10	User not found or Suspended cybee account/Invalid Secret Key
11	configuration settings not found for Username
12	Web Sms Api Suspended or Terms not accepted
13	Client IP does not match expected IP
19	Registered mobile number for username not found
20	missing field values or case (lower/upper) of elements
21	invalid username
22	invalid characters in Recipients
23	invalid characters in recipient count
24	invalid language
25	cybee recipients count and user entered count does not match
26	Recipients list is bigger than allowed
27	Invalid mobile number found
28	Message length is bigger than allowed
29	Unsupported Content Type
30	Missing HTTP Post request body
31	Max allowed sms messages per day threshold reached
39	Invalid Version
90	Exception
91	Exception processing URL Encoded request
92	Exception processing XML request
93	Invalid XML request data

## 1.3 Checking the delivery status

To check the delivery status of a sent SMS you as a person need to log on cyta website and check the [Sent Messages](#) report.