



EVERY8D Enterprise SMS Service

Web Services API Specifications-2.1

Version 2.0.2 June 22, 2018

Revision History

| Version | Date | Section | Changes to Documentation |
|---------|------------|---------|-----------------------------|
| 2.0.0 | 2010/03/31 | All | Final document |
| 2.0.1 | 2017/08/18 | | Send SMS Parm add RETRYTIME |
| 2.0.2 | 2018/06/22 | | Modify 1.1 description |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Index

| | |
|---|----|
| 0 · Introduction..... | 4 |
| 1. Send SMS..... | 5 |
| 1.1 Get Connection | 6 |
| 1.2 Sending SMS..... | 8 |
| 1.3 Close connection | 12 |
| 2. SMS sending mode | 13 |
| 2.1 Sending SMS..... | 13 |
| 2.2 Sending SMS(SMS validity time)..... | 13 |
| 2.3 Sending Personalized SMS | 16 |
| 3. Sending status query | 19 |
| 3.1 Sending status Reply..... | 19 |
| 3.2 Sending status query | 21 |
| 4. Other..... | 24 |
| 4.1 Credit query | 24 |
| 4.2 Delete Reservation SMS | 25 |

0 、 Introduction

This document describes function of SMS Web Services API for Enterprise. The Web Services API be integrated the systems by the SOAP 1.1, SOAP 1.2 (SOAP, Simple Object Access Protocol) for sending message automatically.

You need to apply for an account on EVERY8D Enterprise SMS Service Platform (<http://tw.every8d.com>) first, because the credit of SMS Web Services API shares with this account.

Support HTTP (<http://api.every8d.com/>) and HTTPS (<https://oms.every8d.com/>) protocol.

Technical contact: support@every8d.com.tw

1. Send SMS

Send SMS step as shown below.

- (1) Get connection, and get SessionKey.
- (2) Send SMS, one connection can send many times.
- (3) Close Connection.



■ Web Services URL

<https://oms.every8d.com/API21/SOAP/SMS.asmx>

1.1 Get Connection

`string` getConnection(`string` userID, `string` password)

■ Describe

This function provides to connection service. You need to get SessionKey before sending message, and the expiration date of this SessionKey is only one day. Suggest closing connection after sending message to ensure security.

***Please avoid use same account between another system. Because one account with one sessionKey.**

■ Parameters

| Parameter | Info |
|-----------|----------|
| userID | Login ID |
| password | Password |

■ Return Value

The format of Return value is XML string, and its content are as follow :

(1) XML

```
<?xml version=" 1.0" encoding=" utf-8" ?>
<SMS>
  <GET_CONNECTION>
    <CODE>0</CODE >
```

<SESSION_KEY> e9df35fce357589a8e78c44c3e2abcdd</SESSION_KEY>

<DESCRIPTION>取得連線成功</DESCRIPTION>

</GET_CONNECTION>

</ SMS >

(2) XML TAG

| XML TAG | |
|-------------|---|
| TAG | Info |
| CODE | 0 : get connection success -97 : The system is busy, please try again later -100 : get connection fail -101 : password is incorrect -999 : Account has been blocked. Please contact customer service. The certification error of more than 10 times this account will be blocked. |
| SESSION_KEY | Connection session key |
| DESCRIPTION | Connection status description |

1.2 Sending SMS

```
string sendSMS(string sessionKey,  
               string subject,  
               string content,  
               string mobile,  
               string sendTime,  
               string retryTime)
```

■ Describe

Our text message product support long SMS message, it can contain maximum 333 characters. More than 333 characters can still be sent, the system will separate automatically.

The SMS product is also supply international message, but this setting is off by default, you can set on the web site (Send center International SMS configuration).

■ SMS platform messages are charged as below FYR:

| Charging reference for texting to any Taiwanese mobile phone number | |
|---|--------------------|
| 1~70(characters) | -1 point /message |
| 71~134(characters) | -2 points /message |
| 135~201(characters) | -3 points /message |

| | |
|---------------------|--------------------|
| 202~268(characters) | -4 points /message |
| 269~333(characters) | -5 points /message |

※Charges for internal SMS (number not starting with +886) are tripled.



【Fig.】 International SMS configuration

■ Parameters

| Parameter | Info |
|------------|--|
| sessionKey | Session Key, you can get key after creating connection. |
| subject | Message Title, accept the empty string. The title do not send with SMS, just for note. |
| content | message content |
| mobile | Receive mobile number. Format: +886912345678 or 09123456789 ° Separator : (,) ex : 0912345678,0922333444 ° |
| sendTime | Reservation time. - Send immediately : Please input empty string. |

| | |
|-----------|--|
| | - Reservation send : Please input reservation time, format yyyyMMddHHmnss, example : Reservation time is 2009/01/31 15:30:00, ST=20090131153000. If the ST is less than the system get order time will not be submitted. If input is past time, it will deliver Immediately. |
| retryTime | SMS validity period of unit: minutes. if not specified, then the platform default validity peroid is 1440 minutes. |

■ Return Value

Response string, format :

CREDIT,SENDED,COST,UNSEND,BATCH_ID

範例 :

1230.00,4,4.0,220478cc-8506-49b2-93b7-2505f651c12e

Return detail

| XML TAG | |
|----------|--|
| TAG | Info |
| CREDIT | Balance credit. Negative mean delivery(*note 1) failure, the system can not process this command. |
| SENDED | Send message counts. |
| COST | This send spent points. |
| UNSEND | Unsent message counts with no credit. |
| BATCH_ID | Batch ID. Ex : 220478cc-8506-49b2-93b7-2505f651c12e |

*note 1:

| Error code | Info |
|------------|--|
| -301 | Session no exist, should be re-login. |
| -99 | Server site show in known error, please contact to |

1.3 Close connection

`string` closeConnection(`string` sessionKey)

■ Describe

Close operation connection.

■ Parameters

| Parameter | Info |
|------------|---|
| sessionKey | Session Key, you can get key after creating connection. |

■ Return Value

"1" : Close connection success.

"-1" : Close connection failure.

2.SMS sending mode

2.1 Sending SMS

```
string sendSMS(string sessionKey,  
               string subject,  
               string content,  
               string mobile,  
               string sendTime)
```

Reference 【1.2】

2.2 Sending SMS(SMS validity time)

```
string sendSMS(string sessionKey,
```

string subject,
 string content,
 string mobile,
 string sendTime,
 string retryTime)

■ Parameters

| Parameter | Info |
|------------|--|
| sessionKey | Session Key, you can get key after creating connection. |
| subject | Message Title, accept the empty string. The title do not send with SMS, just for note. |
| content | message content |
| mobile | Receive mobile number. Format: +886912345678 or 09123456789 ° Separator : (,) ex : 0912345678,0922333444 ° |
| sendTime | Reservation time. - Send immediately : Please input empty string. - Reservation send : Please input reservation time, format yyyyMMddHHmnss, example : Reservation time is 2009/01/31 15:30:00, ST=20090131153000. If the ST is less than the system get order time will not be submitted. If input is past time, it will deliver Immediately. |
| retryTime | SMS validity period of unit: minutes. if not specified, then the platform default validity peroid is 1440 minutes. |

■ Return Value

Response string, format :

CREDIT,SENDED,COST,UNSEND,BATCH_ID

範例：

1230.00,4,4.0,220478cc-8506-49b2-93b7-2505f651c12e

Return detail

| XML TAG | |
|----------|--|
| TAG | Info |
| CREDIT | Balance credit. Negative mean delivery(*note 1) failure, the system can not process this command. |
| SENDED | Send message counts. |
| COST | This send spent points. |
| UNSEND | Unsent message counts with no credit. |
| BATCH_ID | Batch ID. Ex : 220478cc-8506-49b2-93b7-2505f651c12e |

*note 1:

| Error code | Info |
|------------|--|
| -301 | Session no exist, should be re-login. |
| -99 | Server site show in known error, please contact to |

2.3 Sending Personalized SMS

```
string sendParamSMS( string sessionKey,
                    string subject,
                    string contentXML,
                    string sendTime)
```

■ Describe

When you want to send different message to everyone on the same time, you can use the personalized sending. Before using this function, you need get SessionKey first through the getConnection() function.

■ Parameters

| 參數名稱 | 說明 |
|------------|---|
| sessionKey | Session Key, you can get key after creating connection. |
| subject | Message Title, accept the empty string. The title don't send with SMS, just for note. |
| contentXML | Defined receiver and send content. |
| sendTime | Reservation time. - Send immediately: Please input empty string. - Reservation send: Please input reservation time, format yyyyMMddHHmnss, example: Reservation time is 2009/01/31 15:30:00, ST=20090131153000. If the ST is less than the system get order time will not be submitted. If input is past time, it will deliver Immediately. |

ContentXML format :

```
<REPS>
<USER NAME="TEST" MOBILE="+886900000001" EMAIL="" SENDTIME="" ><![CDATA[ok ok
java hello<>@#$$%^&*()]]> </USER>
<USER NAME="Eric1" MOBILE="+886900000002" EMAIL="service@every8d.com.tw"
SENDTIME="" ><![CDATA[這是什麼的測試內容喔<>@#$$%^&*()]]> </USER>
</REPS>
```

XML Tag :

| XML Tag | | |
|-----------|--------|--|
| Tag | Length | Info |
| USER | | Sample : <USER NAME="Eric1" MOBILE="+886900000002" EMAIL="service@every8d.com.tw" SENDTIME=""><![CDATA[這 是什麼的測試內容喔<>@#\$\$%^&*()]]></USER> |
| Attribute | Length | Info |
| NAME | 50 | Receiver' s name, accept the empty string. It will show on send records. |
| MOBILE | 20 | Receiver' s mobile number, required. Sample:+886933123456 |
| EMAIL | | Receiver' s Email address, accept the empty string. EVERY8D will also send message to this email address for free. |
| SENDTIME | | Personalized reservation time. Do not input if send at the same time. Format yyyyMMddHHmns, example:Reservation time is 2009/01/31 15:30:00, just input 20090131153000. |

■ Return Value

Return value, format :

```
CREDIT,SENDED,COST,UNSEND,BATCH_ID
```

Sample :

1230.00,4,4.0,220478cc-8506-49b2-93b7-2505f651c12e

Return detail :

| XML TAG | |
|----------|---|
| TAG | Info |
| CREDIT | Balance credit. Negative mean delivery failure, the system can't process this command. |
| SENDED | Send message counts. |
| COST | This send spent points. |
| UNSEND | Unsent message counts with no credit. |
| BATCH_ID | Batch ID. Ex:220478cc-8506-49b2-93b7-2505f651c12e |

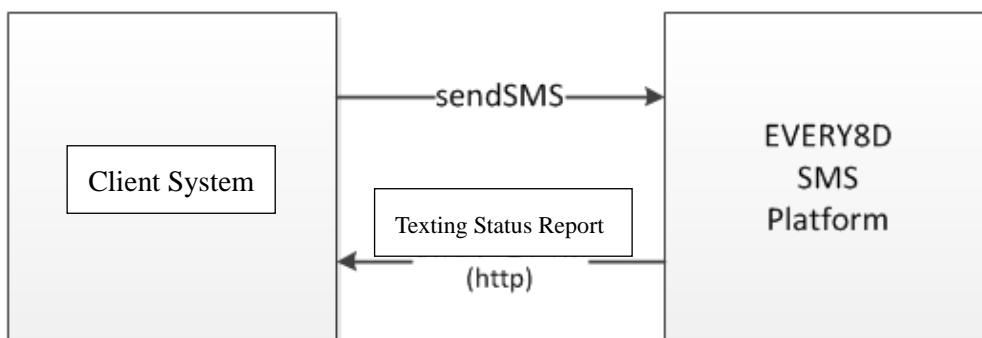
3. Sending status query

We provide two way to query:

1. If the client system provides the URL for EVERY8D system call, and our system can replay the sending results to client (3.1).
2. You can query sending status on EVERY8D web site (3.2).

3.1 Sending status Reply

The operating mechanism figure is as shown below. After the sending message operation, the system will take the initiative in sending status to client. The client needs to provide an URL to receive the information.



If your URL interface address is <http://yourwebsite.com.tw/report.aspx>, EVERY8D use HTTP GET function return as below:

<http://yourwebsite.com.tw/report.aspx?BatchID=xxxx&RM=xxxx&RT=xxx&STATU>

[S=xxx&SM=xxxx&MR=xxxx&USERID=xxxx](#)

Receive program Sample with ASP.NET :

```
protected void Page_Load(object sender, EventArgs e)
{
    string BatchID =Request["BatchID"].ToString(); //batch ID
    string ReceiverMobile = Request["RM"].ToString(); //phone number
    string ReplyTime = Request["RT"].ToString();
        // reply time, ex: 20090210120000
    string Content = Request["SM"].ToString(); //reply content
    string MessageRecordNo = Request["MR"].ToString(); // Record No
    string UserAccount= Request["USERID"].ToString(); // User Account
    // you process
}
```

■ Parameters

| Parameters detail | | |
|-------------------|-------------------------------|---|
| Parameters | Info | Other |
| BatchID | Batch ID | Batch ID |
| RM | Receive mobile phone number | Ex:+886961295288 |
| RT | Return time | Ex:20090210120000 |
| STATUS | Sending status | Please refer to 3.2 STATUS |
| SM | Replay message content | Encode and send |
| MR | Record No. for every message. | To distinguish between repeated phone number in the same batch. |
| USERID | Sending account | |

■ Result

If the connection fails, this function will be retry, up to 10 times.

- Reply SMS

This function also transmits the reply message to client.

STATUS=999, and SM = reply message content.

3.2 Sending status query

`string` getDeliveryStatus(`string` sessionKey, `string` batchID, `string` pageNo)

- Describe

This function provides to query of sending status by BatchID, and once query return up to 1000 items of data.

- Parameters

| Parameter | Info |
|------------|---|
| sessionKey | Session Key, you can get key after creating connection. |
| batchID | Batch ID |
| pageNo | Paging. Accept empty string. If query over 1000 items, pageNo input "2", from 2001 to 3000 items, pageNo input 3, and so on. |

■ Return Detail

(1) Xml:

```
<?xml version="1.0" encoding="utf-8"?>
<SMS_LOG>
  <CODE>0</CODE>
  <DESCRIPTION>發送狀態查詢成功</DESCRIPTION>
  <GET_DELIVERY_STATUS COUNT="1230">
    <SMS>
      < NAME>Roger</NAME>
      <MOBILE>+886933123123</MOBILE>
      <SENT_TIME>2010/3/20 03:27:50</SENT_TIME>
      <COST>1.00</COST>
      <STATUS>100</STATUS>
      <REPLY_SMS>
        <REPLY_TIME>2010/03/23 12:05:09 </REPLY_TIME>
        <MESSAGE>
          <![CDATA[回覆簡訊]]>
        </MESSAGE>
      </REPLY_SMS>
    </SMS>
    <SMS>
      ....
    </SMS>
```

Status Code:

| | |
|--------|---|
| STATUS | 0: Sent 100: Mobile received 101: Delivery failure due to mobile terminal factors 102: Delivery failure due to telecommunications terminal factors 103: This mobile phone number does not exist. 104: Delivery failure due to telecommunications terminal factors 105: Delivery failure due to telecommunications terminal factors 106: Delivery fail due to telecommunications terminal factors 107: Received after deadline |
|--------|---|

| | |
|--|--|
| | <p>300: Reservation SMS</p> <p>303: Canceled</p> <p>500: International message delivery failed because the configuration is in closed position.</p> <p>-1:parmater error</p> <p>-2:account or password error</p> <p>-3: Invalid mobile number</p> <p>-4: DT format error or send time has exceeded more than 24 hours</p> <p>-5:Short Message length on limit error</p> <p>-6:DT formate error</p> |
|--|--|

Xml:

```

<?xml version="1.0" encoding="utf-8"?>
<SMS_LOG>
  <CODE>0</CODE>
  <DESCRIPTION>發送狀態查詢成功</DESCRIPTION>
  <GET_DELIVERY_STATUS COUNT="1230">      total count
    <SMS>                                     <SMS> tag
      < NAME>Roger</NAME>                     receiver name
      <MOBILE>+886933123123</MOBILE>         receiver phone
      <SENT_TIME>2010/3/20 03:27:50</SENT_TIME> send time
      <COST>1.00</COST>                       cost count
      <STATUS>100</STATUS>                   process status
      <REPLY_SMS> reply message tags.
        <REPLY_TIME>2010/03/23 12:05:09 </REPLY_TIME> replay time
        <MESSAGE>
          <![CDATA[回覆簡訊]]> reply content
        </MESSAGE>
      </REPLY_SMS>
    </SMS>
  </GET_DELIVERY_STATUS>

```

4. Other

4.1 Credit query

`string` getCredit(`string` sessionKey)

■ Describe

Provides credit query function.

■ Parameters

| Parameters | Info |
|------------|---|
| sessionKey | Session Key, you can get key after creating connection. |

■ Return Value

Sample :

2310.00

4.2 Delete Reservation SMS

`string` eraseBooking (`string` sessionKey, `string` batchID)

■ Describe

Provide delete reservation message function.

■ Parameters

| Parameter | Description |
|------------|---|
| sessionKey | Session Key, you can get key after creating connection. |
| batchID | Batch ID. |

■ Return Value

| Return Value | Description |
|--------------|----------------------------------|
| a,b | a:delete counts, b:return credit |
| null | NO results |