



SMS-API INTERFACES



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1. Objectives

This document is intended to specify the interface between the SMS Wrapper and a partner or a developer through NEXAH BulkSMS platform for SMS API RESTFul interface only. It describes how partners / developers have to send requests to the SMS Wrapper and how the SMS Wrapper will respond.

2. API description for SMS API (RESTful)

The SMS API service includes the following operations:

- Send SMS
- Get SMS Account Balance
- Send SMS DR Notification

2.1 Send SMS Operation

HTTP Method : POST/GET

2.1.1 Request

PARAMETER	TYPE	REQUIRED	DESCRIPTION
user	String	Mandatory	It is for login
password	String	Mandatory	It is for password
senderid	String	Mandatory	The sender name
sms	String	Mandatory	Message to send
mobiles	String	Mandatory	Comma separated mobiles numbers (237 is optionnal) Eg : 237XXXXXXXXX,XXXXXXX ,...

```

POST https://smstech.com/bulk/public/index.php/api/v1/sendsms HTTP/1.1
Accept: application/json
Content-Type: application/json
{
    "user": "user",
    "password": "password",
    "senderid": "SENDER",
    "sms": "message",
    "mobiles": "237XXXXXXXXX,XXXXXXX"
}

GET HTTP/1.1
https://smstech.com/bulk/public/index.php/api/v1/sendsms?  
user=user&password=password&senderid=sender&sms=message&mobiles=XXXXXXXXX,X  
XXXXXXX,XXXXXXX

```

2.1.2 Response

PARAMETER	TYPE	VALUE/FORMAT	DESCRIPTION
responsecode	Integer	1 if success, 0 if error	The code of the response
responsedescription	String	success or error	The description of the response
responsemessage	String	(**)	The message of the response
status	String	success or error	The status of the response
messageid	String	XXXXXXXXXX	The id of the message
smsclientid	String	XXXXXXXXXX	The id of the request
Errorcode	Integer	(*)	Code of the error
Errordescription	String	(*)	Description of the code
mobileno	String	+237XXXXXXXXX	The phone number

Example (successful response):

```
{
  "responsecode": 1,
  "responsedescription": "success",
  "responsemessage": "success",
  "sms": [
    {
      "messageid": "c2b849db106f0c2e07dd9b881e6bdfe7",
      "smsclientid": "0c851d9f-6c63-49fb-af16-6887c37a81de",
      "mobileno": "+237678018812",
      "status": "success",
      "errorcode": "",
      "errordescription": ""
    },
    {
      "messageid": "e12dd358cff3961752f8c1180cc209ff",
      "smsclientid": "1cc6c9d3-a82b-4ece-85ae-aff58818488c",
      "mobileno": "+237693879492",
      "status": "success",
      "errorcode": "",
      "errordescription": ""
    }
  ]
}
```

(*) Error Code and Description

ERROR CODE	DESCRIPTION
-10019	Inactive User
-10003	Invalid Mobile Number
-10026	Client SMS ID Max Limit Exceed
-10008	Balance not enough

(**) Response message error values

ERRORS
Username and password require

Mobile number require
Message require
Senderid require
Balance not enough
Invalid senderid
Invalid schedule date

2.2 Get SMS account balance

HTTP Method : POST/GET

2.2.1 Request

PARAMETER	TYPE	REQUIRED	DESCRIPTION
user	String	Mandatory	It is for login
password	String	Mandatory	It is for password

```

POST https://smssvas.com/bulk/public/index.php/api/v1/smscredit HTTP/1.1
Accept: application/json
Content-Type: application/json
{
    "user": "user",
    "password": "password"
}

GET HTTP/1.1
https://smssvas.com/bulk/public/index.php/api/v1/smscredit?user=user&password=password

```

2.2.2 Response

PARAMETER	TYPE	VALUE/ FORMAT	DESCRIPTION
accountexpdate	Date	dd/MM/yyyy	The account expiration Date
balanceexpdate	Date	dd/MM/yyyy	The balance expiration Date
credit	Integer	XXXX	The available SMS credit remaining

Example (successful response):

```
{
    "accountexpdate": "26/03/2020",
    "balanceexpdate": "07/09/2019",
    "credit": 6124
}
```

2.3 Send SMS DR Notification

This method is invoked by NEXAH to notify a Partner when a DR notification is received.

HTTP Method : POST

2.3.1 Request

PARAMETER	TYPE	VALUE / FORMAT	DESCRIPTION
reponsecode	Integer	(*)	The code of the response
Reponsedescription	String	success or error	The description of the response
Status	String	(*)	The delivery status of the message
messageid	String	XXXXXXXXXX	The id of the message
submittime	DateTime	yyyy-MM-dd hh :mm :ss	The submit time of the message
senttime	DateTime	yyyy-MM-dd hh :mm :ss	The sent time of the message
deliverytime	DateTime	yyyy-MM-dd hh :mm :ss	The delivery time of the message
mobileno	String	+237XXXXXXXXX	The phone number

(*) Error Code and Description/status

ERROR CODE	DESCRIPTION or STATUS
0	UNDELIV – <i>The Message is not delivered</i>
1	DELIVRD – <i>The Message is delivered</i>

Example :

```

POST [Partner URL] HTTP/1.1
Accept: application/json
Content-Type: application/json
{
  "dlrlist" : [
    {
      "reponsecode": 1,
      "reponsedescription": "success",
      "messageid": "e12dd358cff3961752f8c1180cc209ff",
      "mobileno": "+237678018812",
      "status": "DELIVRD",
      "submittime": "2019-05-11 13:53:13",
      "senttime": "2019-05-11 13:53:14",
      "deliverytime": "2019-05-11 13:53:14"
    },
    {
      "reponsecode": 1,
      "reponsedescription": "success",
      "messageid": "e12dd358cff3961752f8c1180cc209ff",
    }
  ]
}
  
```

```
        "mobilenumber": "+237678018812",
        "status": "DELIVRD",
        "submittime": "2019-05-11 13:53:13",
        "senttime": "2019-05-11 13:53:14",
        "deliverytime": "2019-05-11 13:53:14"

    }
]
}
```

2.3.2 Response

The partner or the developer should change **status to 1 if success or to 0 if failure.**

Below example response is expected from the partner.

```
{
  "dlrlist" : [
    {
      "reponsecode": 1,
      "reponesdescription": "success",
      "messageid": "e12dd358cff3961752f8c1180cc209ff",
      "mobilenumber": "+237678018812",
      "status": 1,
      "submittime": "2019-05-11 13:53:13",
      "senttime": "2019-05-11 13:53:14",
      "deliverytime": "2019-05-11 13:53:14"
    },
    {
      "reponsecode": 1,
      "reponesdescription": "success",
      "messageid": "jgkgjf4g5r4e5r5752f8c1180cc2090f",
      "mobilenumber": "+237678018812",
      "status": 1,
      "submittime": "2019-05-11 13:53:13",
      "senttime": "2019-05-11 13:53:14",
      "deliverytime": "2019-05-11 13:53:14"
    }
  ]
}
```