MPS SMS MT Documentation

1. Description

This api provide for Partner send SMS MT via MPS.

Web service WSDL

URL: http://x.x.x.x:9201/sms (Current nodes are 10.121.5.10, 10.121.5.11, load balanced by 10.121.8.87)

Client must implement to handle this link in order to be able to send SMS.

2. Error Codes description:

Error codes description

Error Code	Description
0	SMS put to queue Success
1	SMS put to Queue failed
2	UnAuthen
200	Invalid Parameter(s)
201	Invalid username or password
202	Invalid Request Type
203	Invalid Request Parameter(s)
400	Server too busy

Return response could be:

- 0 -> Success
- 1 -> Failed
… and so on.

3. TPS, Time out & retry:

- TPS: 100

- Time out: 5 seconds

- Retry: 1 times

4. Input & ouput XML

All tag can configured to be more flexible. MPS support 2 http api: SOAP and json on same port.

STT	String	Require	Provided by	Description
1	#USERNAME	mandatory	MPS	
2	#PASSWORD	mandatory	MPS	do not have '%' in password
3	#MSISDN	mandatory	MPS	userId
4	#SHORTCODE	mandatory	MPS	Shortcode on SMSGW which use to send
5	#PARAMS	mandatory	PARTNER	- Text: For sending textsms - HEX_TEXT: Sending SMS with Hexa Encode in CONTENT
6	#TRANSID	option	PARTNER	transaction id mean requestId from Partner
7	#CONTENT	mandatory	PARTNER	Content to send (Could be encoded to Hexa depend on PARAMS)

4.1. SMS Soap Request

4.1.1. Soap request

```
<?xml version="1.0" ?>
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
<S:Body> <smsRequest xmlns="http://mtws/xsd">
 <username>#USERNAME</username>
 <password>#PASSWORD</password>
 <shortcode>#SHORTCODE</shortcode>
 <msisdn>#MSISDN</ msisdn >
 <params>#PARAMS</params>
<content>#CONTENT</content>
<transid>#TRANSID</transid>
</smsRequest>
</S:Body>
</S:Envelope>
```

4.1.2. Return XML (Client response)

```
<?xml version="1.0" ?>
<S:Envelopexmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
<S:Body>
<smsRequestResponsexmlns="http://smsws/xsd">
<return>0</return>
</smsRequestResponse>
</S:Body>
</S:Envelope>
```

4.2. SMS Json Request

To send sms MT by json, http request header need add property: **Content-Type=application/json.**

4.2.1 json request

```
{
"username":"#USERNAME",
"password":"#PASSWORD",
"shortcode":"#SHORTCODE",
"msisdn":"#MSISDN",
"params":"#PARAMS",
"content":"#CONTENT",
"transid":"#TRANSID"
}
```

4.2.2 json response

```
{
"return": "0"
}
```

NOTE: with content include special character, partner should encode content to hex.

Json example:

```
{
"username":"8888u",
"password":"XXX",
"shortcode":"8888",
"msisdn":"921987xxx",
"params":"TEXT",
"content":"on",
"transid":"123456789"
}
```

Example hex: on -> 6F6E

```
{
"username":"8888u",
"password":"XXX",
"shortcode":"8888",
"msisdn":"921987xxx",
"params":"HEX_TEXT",
"content":"6F6E",
"transid":"123456789"
}
```