



# MPS INTERFACE

## MONFEE CHARGE RESULT

### RECEIVING INTERFACE

Date: 14/01/ 2019

## 1. Overview

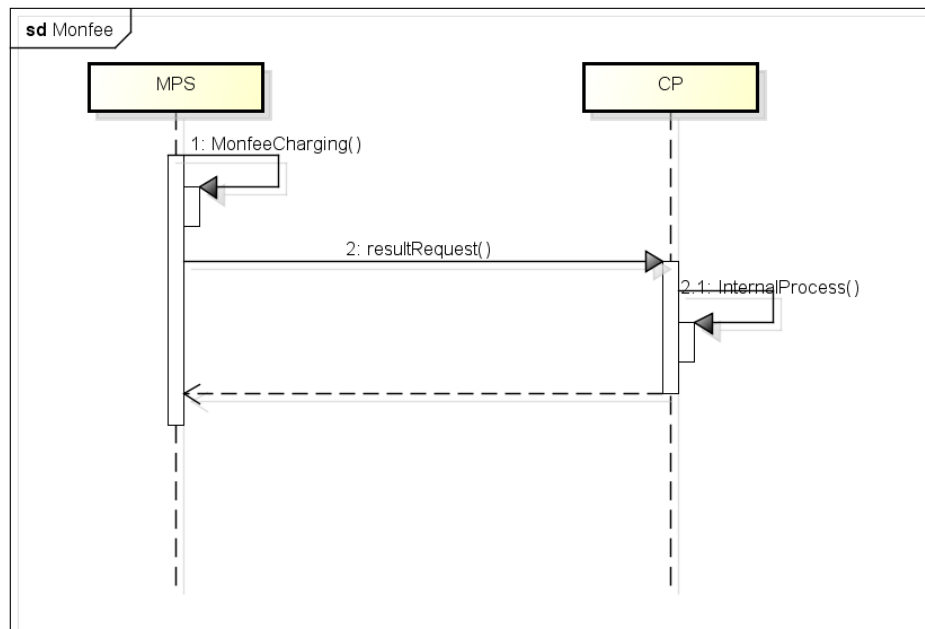
### 1.1 Function description

When MPS finishes charging monthly subscription fee, this function will be call to notify CP.

- In case charging success: CP will be notify
- In case charging failed: CP will be notify for the first time.

MPS support json and soap.

### 1.2 Sequence Diagram



## 2. Requirement

### 1.1. Web service WSDL or restful?

URL: <http://x.x.x.x:yyyy/receiverresult?wsdl> or any link from partner

- Client must implement to handle this link and return webservice description
- The Client need to implement **resultRequest** function as description below for MPS to call.

## 3. resultRequest function:

### 3.1 resultRequest function

This function send monthfee charging result to CP

Prototype:

```
String resultRequest (String username, String password,  
                      String serviceid, String msisdn,  
                      String chargetime, String params);
```

Parameter	Description
username	Username that CP provided to <b>MPS</b> .
Password	Password that CP provided to <b>MPS</b>
ServiceID	ServiceID provided by <b>MPS</b>
Msisdn	Phone number
Chargetime	Charging Time, format yyyyMMddHHmmss
Params	Parameter(s) for function 0: Charge Success 1: Charge failed
mode	For test function. <ul style="list-style-type: none"><li>- <b>CHECK</b>: check CP System with this content without any notify to user</li><li>- <b>REAL</b>: get content for user</li></ul>
amount (optional)	Service fee which MPS has charged user
transactionid	String, max length 256. Optional
command	- Subscriber is available: "MONFEE" , - Subscriber is not available: "AUTO_CANCEL DEBIT"

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Return format: **<CODE>**

### Return Code, content & description table

Code	Description
0	Success
1	Failed
300	Invalid Parameter(s)
301	Invalid username or password
302	Server too busy

### Examples:

```
String r = mtRequest("username", "password",
                      "ABCD1234", "983456789",
                      "20130605131401", 0, "REAL");
```

*Return might be:*

- **0** -> Success
- **1** -> Failed
- ...

## 4. TPS, Time out & retry:

- Time out: 5 seconds
- Retry: 1 time/hour, max 3 times

## 5. Input and output XML

### 5.1 SOAP format and example (MPS post to client)

```
<?xml version="1.0" ?>
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
<S:Body>
<monfeeRequest xmlns="http://contentws/xsd">
<username>#USERNAME</username>
<password>#PASSWORD</password>
<serviceid>#SERVICE_NAME</serviceid>
<msisdn>#MSISDN</msisdn>
<chargetime>#CHARGE_TIME</chargetime>
```

```

<params>#PARAMS</params>
<mode>#MODE</mode>
<amount>#AMOUNT</amount>

<command>#FULLSMS</command>

<transactionid>#TRANS_ID</ transactionid >
</monfeeRequest >
</S:Body>
</S:Envelope>

```

### *Example:*

```

<?xml version="1.0" ?>
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
<S:Body>
    <resultRequest xmlns="http://resultws/xsd">
        <username>xxxxxx</username>
        <password>yyyyyy</password>
        <serviceid>ABCD1234</serviceid>
        <msisdn>983456789</msisdn>
        <chargetime>20130605131401</chargetime >
        <params>0</params>
        <mode>REAL</mode>
        <amount>1000</amount>
    </resultRequest>
</S:Body>
</S:Envelope>

```

### *Resumed version:*

```

<?xml version="1.0"?>
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
<S:Body>
<resultRequest xmlns="http://resultws/xsd">
<params>0</params>
<msisdn>MSISDN</msisdn>  <!-- MSISDN without 51-->
<serviceid>SUB_SERVICE_NAME</serviceid>
<amount>18000</amount>  <!-- Amount*10000 charged for a renewal -->

```

```
<chargetime>20190411020302</chargetime><!--Date of transaction -->
<transactionid>0400000320190411020302122</transactionid><!--Transaction
ID-->
<command>MONFEE</command>
</resultRequest>
</S:Body>
</S:Envelope>
```

### 1.2. Return XML (CP response)

```
<?xml version="1.0"?>
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/" >
  <S:Body>
    <resultRequestResponse xmlns="http://contentws/xsd">
      <return>0</return>
    </resultRequestResponse>
  </S:Body>
</S:Envelope>
```

## 5.2 JSON format and example

Request:

```
{
  "username": "#USERNAME",
  "password": "#PASSWORD",
  "serviceid": "#SERVICE_NAME",
  "msisdn": "#MSISDN",
  "params": "#PARAMS",
  "content": "#CONTENT",
  "chargetime": "#CHARGE_TIME",
  "command": "#FULLSMS",
  "mode": "#MODE",
  "transid": "#TRANSID"
}
```

Json response:

<pre>{   "return": "0" }</pre>	
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