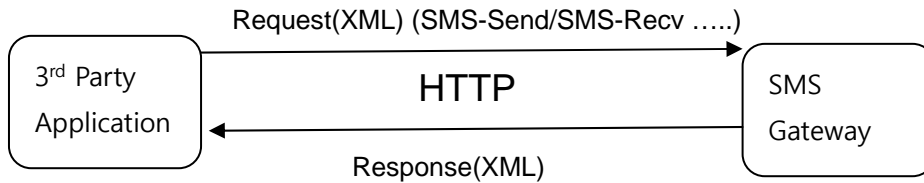


[SMS Gateway]

[3rd Party XML API]

1. Service Components & Basic Service Description

- SMS Gateway supports XML over HTTP.



- Request message is XML format.
It is composed as follows.

```
<?xml version="1.0" standalone="yes" ?>
<request name="smssend ">
  <sms content="hello world!" />
  <pn-list name="phone number list">
    <number id="01011112221"/>
    <number id="01011112222"/>
    <number id="01011112223"/>
  </pn-list>
```

- Response message is XML format.
It is composed as follows.

```
<?xml version="1.0" standalone="yes" ?>
<response id="1000" name="smssend ">
  <result code="-2" name="unauthorized" />
</response>
```

2. Message Description And Sequence Diagram

2.1. Authentication

Support Basic HTTP Authentication using ID and password.

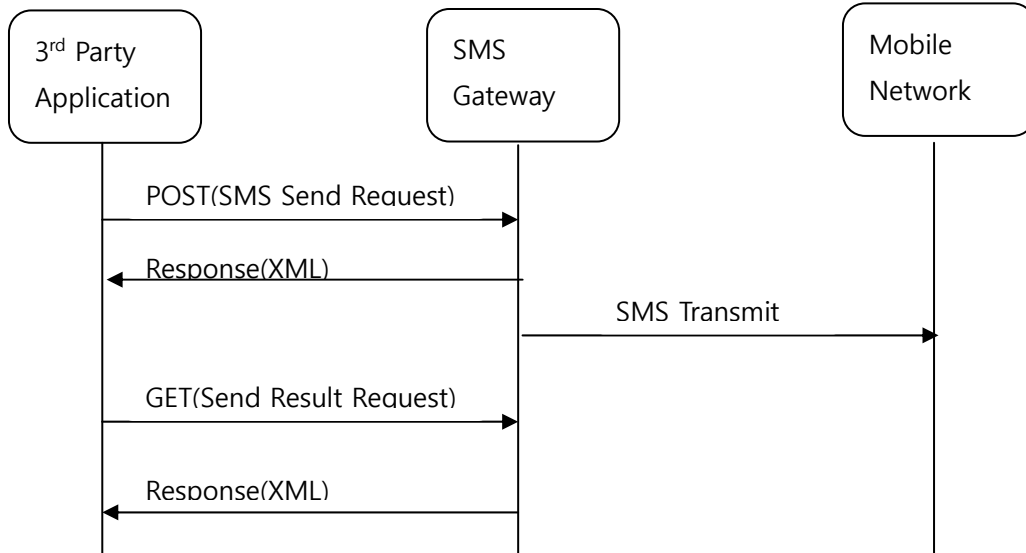
2.2. Response Code

Response code is defined at Table-1.

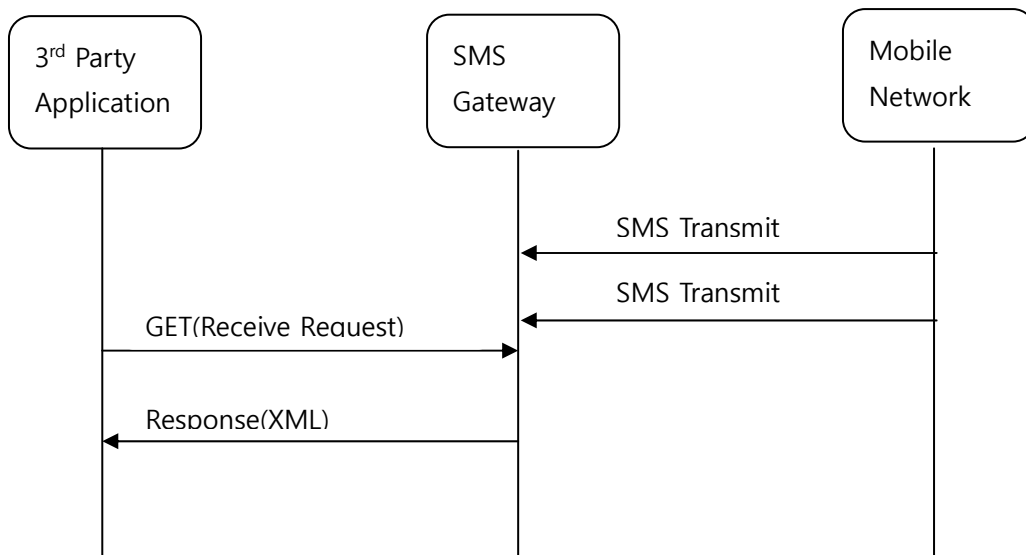
code	name	설명
0	success	Success
-1	undefined error	Undefined error
-2	bad request	Not supported URL or format error
-3	internal error	Response result is internally deleted
-4	overflow	G/W send buffer overflow

<Table-1 Response Code >

2.3. SMS Send Sequence Diagram



2.4. SMS Receive Sequence Diagram



2.5. SMS Send Request

➤ Request XML Format using POST

```
<?xml version="1.0" standalone="yes" ?>
<request name=" smssend ">
  <sms content="hello world!" />
  <pn-list name="phone number list">
    <number id="01011112221"/>
    <number id="01011112222"/>
    <number id="01011112223"/>
  </pn-list>
</request>
```

- Phone numbers can be repeated to maximum 20 times.

➤ Success response message

```
<?xml version="1.0" standalone="yes" ?>
<response name="smssend">
  <result code="0" id="1000" name="success" />
</response>
```

- "id" is used at SMS Send Result Request.

➤ Fail response message (undefined error)

```
<?xml version="1.0" standalone="yes" ?>
<response name="smssend">
  <result code="-1" name="undefined error" />
</response>
```

➤ Fail response message (bad request)

```
<result code="-2" name="bad request" />
```

➤ Fail response message (internal error)

```
<result code="-3" name="internal error" />
```

➤ Fail response message (overflow)

```
<result code="-4" name="overflow" />
```

2.6. SMS Send Result Request

➤ Request XML Format using GET

```
<?xml version="1.0" standalone="yes" ?>
  <request id = "1000" name=" smssendresult ">
</request>
```

- id : smssend id number

➤ Response message (Success)

If processing-result-list is exist, application should request it again.

If fail-result-list is exist, application should retry smssend request for the failed SMS.

```
<?xml version="1.0" standalone="yes" ?>
<response id="1000" name="smssendresult">
  <success-result-list name="success" />
    <sms pn="01010001000" port="3/0:0" gpn="01099991000" />
    < sms pn ="01010001001" port="3/1:0" gpn ="01099991001" />
  </success-result-list>
  <processing-result-list name="processing" />
    < sms pn ="01010001002" port="1/0:0" gpn ="01099991005" />
    < sms pn ="01010001003" port="1/1:0" gpn ="01099991006" />
  </processing-result-list>
  <fail-result-list name="fail" />
    < sms pn ="01010001004" port="1/0:0" gpn ="01099991005" />
    < sms pn ="01010001005" port="1/1:0" gpn ="01099991006" />
  </fail-result-list>
</response>
```

- pn : phone number to send
- port : GW physical port (slot, port, SIM)
- gpn : G/W phone number

➤ Fail Response Message

Reference 2.5

2.7. SMS Receive Request

➤ Request URL Format

```
<?xml version="1.0" standalone="yes" ?>
  <request id = "1000" name=" smsreceive">
</request>
```

➤ Success Response Message

SMS list contains max 20 messages.

If result tag is exist, application should try more 'smsreceive' request.

```
<?xml version="1.0" standalone="yes" ?>
<response name="smsreceivresult">
  <result remains = "20" name="remains" />
  <sms-list name="list" />
    <sms pn="01010001000" port="3/0:0" gpn="01099991000" content="hello world!!"/>
    <sms pn="01010001001" port="3/1:0" gpn="01099991001" content="hello world!!"/>
    ::
  </sms-list>
</response>
```

➤ Fail Response Message

Reference 2.5

3. Document History

Date	Writer	Content
2012 12 05	R&D	Initial Created (v1.0)