

**FPT TELECOM INTERNATIONAL CO. LTD**

---

**API CONNECTION MANUAL  
OF SMS BRANDNAME SERVICE**



*Hanoi, June 2021*

## Table of Content

<b>1. Overview .....</b>	<b>4</b>
<b>1.1. Introduction.....</b>	<b>4</b>
<b>1.2. Abbreviation list – terms .....</b>	<b>4</b>
<b>2. Connection Information .....</b>	<b>4</b>
<b>2.1. API Information.....</b>	<b>4</b>
<b>2.1.1. Information of testing environment .....</b>	<b>4</b>
<b>2.1.2. Information of production environment .....</b>	<b>4</b>
<b>2.2. Instructions for getting authentication information. ....</b>	<b>4</b>
<b>3. Instructions for API Connection .....</b>	<b>6</b>
<b>3.1. Get access token .....</b>	<b>6</b>
<b>3.1.1. Request from client to API.....</b>	<b>6</b>
<b>3.1.2. Response API return client .....</b>	<b>7</b>
<b>3.1.3. Example .....</b>	<b>8</b>
<b>3.2. Send domestic Customer Care messages .....</b>	<b>9</b>
<b>3.2.1. Request from client to API.....</b>	<b>9</b>
<b>3.2.2. Response API return for Client .....</b>	<b>10</b>
<b>3.2.3. Example .....</b>	<b>11</b>
<b>3.3. Send International Customer Care Messages .....</b>	<b>12</b>
<b>3.3.1. Request from client to API.....</b>	<b>12</b>
<b>3.3.2. Response API return Client .....</b>	<b>13</b>
<b>3.4. To send messages QC.....</b>	<b>14</b>
<b>3.4.1. Some rules of sending messages QC.....</b>	<b>14</b>
<b>3.4.2. Process of sending QC messages via API.....</b>	<b>15</b>
<b>3.4.3. Create a campaign .....</b>	<b>15</b>
<b>3.4.3.1. Request from client on API.....</b>	<b>15</b>
<b>3.4.3.2. Response API return to Client.....</b>	<b>17</b>
<b>3.4.3.3. Example .....</b>	<b>17</b>
<b>3.4.4. Send messages.....</b>	<b>18</b>
<b>3.4.4.1. Request from client to API.....</b>	<b>18</b>

---

3.4.4.2.    Response API return Client .....	19
4.    Get delivery report of sent messages .....	20
4.1.    Get delivery report of Customer Care messages.....	20
4.2.    Get delivery report of QC Messages .....	22
4.2.1.    Get the status of Campaign .....	22
4.2.2.    Get status of every single QC message .....	23
5.    Error code table .....	24

## MANUAL GENERAL INFORMATION

### Service Information

<b>Service Name:</b>	SMS Brandname Service
<b>Representative:</b>	
<b>Receiving Date:</b>	

### Manual Information

<b>Manual Name:</b>	API Connection Manual of SMS Brandname Service
<b>Author:</b>	TamTM11, KhiemDD
<b>Created Date:</b>	June 2 <sup>nd</sup> , 2021

### Change Log

Date	PIC	Version	Page of change	Changed content
20/06/2021	khiemdd	2.1	page.12	Adding field RequestId

## 1. Overview

### 1.1. Introduction

This is a description document, instructions for connecting to the SMS service API Brandname of FPT International Telecommunication Company Limited.

The document is written to support users, programmers get authentication information, perform API connection steps to send SMS messages to users.

### 1.2. Abbreviation list – terms

Abbr./Terms	Definition	Note
SMS	Short message service over telecommunications network (Short Messaging Service)	
SMS Brandname	Brandname Short Message Service	
API	Application Programming Interface	
CSKH	Customer Care	
QC	Advertising	
DLR	Delivery report	

## 2. Connection Information

### 2.1. API Information

#### 2.1.1. Information of testing environment

Note that, the test environment only returns a successful or failed connection response, not sending a message to the user subscriber. To test sending messages to user subscribers, please switch to production environment

<http://sandbox.sms.fpt.net/>

#### 2.1.2. Information of production environment

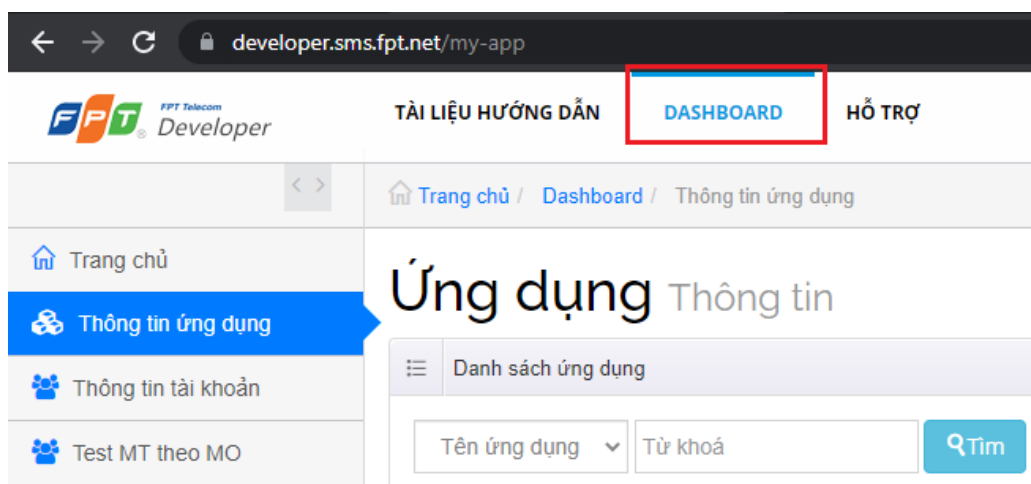
The system supports simultaneous connection via SSL or without SSL through 02 domains as below (these two domains are similar, supporting each other)

- <http://app.sms.fpt.net/>
- <https://app.sms.fpt.net/>
- <http://service.sms.fpt.net/>
- <https://service.sms.fpt.net/>

### 2.2. Instructions for getting authentication information.

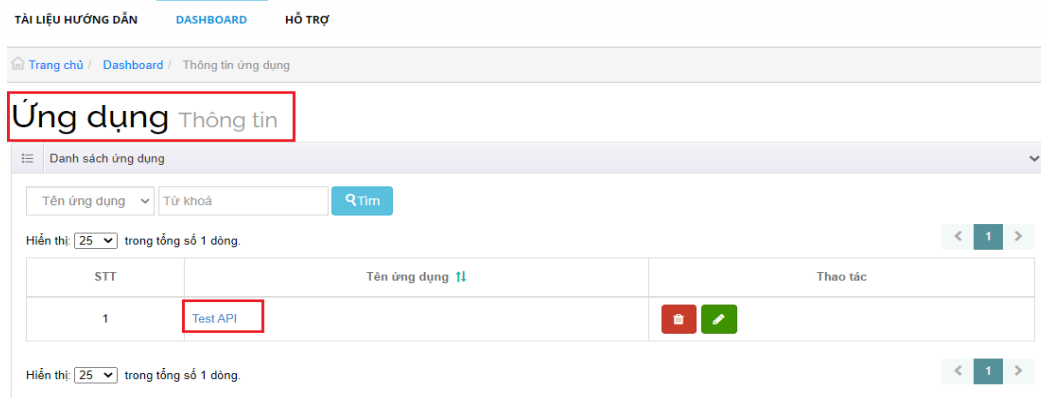
To get API credentials (client\_id and client\_secret), go to the page <https://developer.sms.fpt.net/my-app> and log in with the account - password provided then follow the steps below:

- Step 1: Log in and access the menu [DASHBOARD](#)

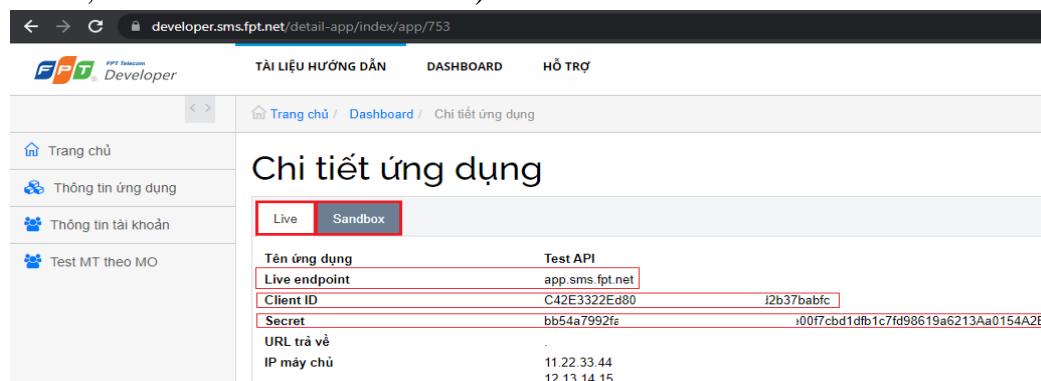


- Step 2: Fill all information in the “Thêm ứng dụng” – Add an App to create a pair of client\_id and client\_secret according to the detailed image shown below

- Step 3: After adding the new application, we click on the name of the newly created application to get information.



Get information according to the corresponding environment (Live: production environment, Sandbox: test environment).



### 3. Instructions for API Connection

API use token for Authorization, 2 Steps are needed in order to connect to send messages:

- Get token
- Use the obtained token to send messages.

#### 3.1. Get access token

##### 3.1.1. Request from client to API

- Url get access token
  - o Test environment (sandbox):
    - <http://sandbox.sms.fpt.net/oauth2/token>
  - o Production environment (live):

- <https://app.sms.fpt.net/oauth2/token>
- <https://service.sms.fpt.net/oauth2/token>
- Data type: JSON
- Method: POST
- Data input (Note that the parameter distinguishes between UPPERCASE and lowercase characters)

Parameter	Date Type	Option	Description	Value
<b>grant_type</b>	String	Compulsory	Type authorizations, currently only <b>client_credentials</b> is allowed	client_credentials
<b>client_id</b>	String	Compulsory	Application identifier string. How to get: see <b>section 2.2</b> . Instructions for getting authentication information	client_id in your application
<b>client_secret</b>	String	Compulsory	Application identifier string. How to get: see <b>section 2.2</b> . Instructions for getting authentication information	client_secret in your application
<b>scope</b>	String	Compulsory	Licensed Scope. System allows 2 scopes - the scope when creating application. See <b>section 2.2</b> . Instructions for getting authentication information	send_brandname_otp send_brandname (each scope separated by a space)
<b>session_id</b>	String	Compulsory	Session id of request	Random string of characters (<= 32 characters)

○ Sample data

```

{
  "client_id": "30278d390f3d4e4542fc7A0200b87aA1A9EdF922",
  "client_secret": "289bdc6d4cf9d466ab3b4ed8235a66F1cE1E9c78aef94076eB83439fcbf9a630c808a908",
  "scope": "send_brandname_otp send_brandname",
  "session_id": "5c22be0c0396440829c98d7ba124092020145753419",
  "grant_type": "client_credentials"
}

```

### 3.1.2. Response API return client



2 possible cases might happen, ‘sucess’ (input valid data) or ‘failed’ (input invalid data)

- ‘Sucess’ case (HTTP response status codes = 200)

Parameter	Data type	Description
<b>access_token</b>	String	Access token return
<b>expires_in</b>	Int	Expiration duration of token – in second (s)
<b>token_type</b>	String	Access token type
<b>scope</b>	String	Access-allowed Scope

- o Data Sample

```
{
  "access_token": "dGk1dVF1ZUNPaW9Rak5aRkdqazF2MkxlaVdnejV0MWQ4WWREUVh4cEJO
U3dWUER3MmJQNmdTNkU4MG93MzY3NURmeGw1OHFQTUNibXpucnN4czNTdmt5Q3QzVH
BsR01HRWFoU3ljdNJPeWJMdHh0VG1VVTIUaDkwUWIWaDR0NUJzQjlqMmhHcEtSM2tvRCt0d
Gc1YTJjcFIOZm9lV2hISnR6QVBKT05ldVpjSnJzWFIJNnFZMmhHc3BLMURpcWVRR3Z2a1h2T2
FydGpJeGJBOWh1YWhtdlk0d0xIMTdHaVpKR2ZLYitHcGljOD0=",
  "expires_in": 86400,
  "token_type": "Bearer",
  "scope": "send_brandname_otp send_brandname"
}
```

- ‘Failure’ cases (HTTP response status codes <> 200)

Parameter	Data type	Description
<b>error</b>	Int	Error code
<b>error_description</b>	String	Detail error description

- o Data Sample

```
{
  "error": 1008,
  "error_description": "Invalid Client Information."
}
```

### 3.1.3. Example

Example of using Postman to test and get access token

The screenshot shows a REST client interface with the following details:

- Method:** POST
- URL:** http://sandbox.sms.fpt.net/oauth2/token
- Request Body (JSON):**

```

{
  "client_id": "30278d390f3d4e4542fc7A0200b87aA1A9EdF922",
  "client_secret": "289bdc6d4cf9d466ab3b4ed8235a66F1cE1E9c78aef94076e883439fcbf9a630c808a908",
  "scope": "send_brandname_otp send_brandname",
  "session_id": "5c22be0c0396440829c98d7ba124092020145753419",
  "grant_type": "client_credentials"
}

```
- Response:** 200 OK, 232 ms, 954 B
- Response Body (JSON):**

```

{
  "access_token": "emd2UHFJUFZrdzZFK3VVM1p5TzRXQWlucE1DTkZ0eH1NS2xXTzdWdWdW0xNSzBIN1NUSE95ak5ybkdWm3pUNEpIZ0t0KzV1Q2RQdStMK29aZzR2w1Fqd2ppbHU50TdsODZaYjdMYmJDTk9Za2NZy9NV3ZwOS9kZUZ4R0EzOHV5N2lLVm10ZwszYU5vK04xNEh1c2FVVG66bWU3e1pFVzVHN2FTbWZCc0M3bW5UZnY0aG12VWhzN0JLamF2V0MwUzZEOwFPNHBkwFNlQXNsd2R3b3ZjdHVGbS9ndkNOVkdNybd1a0EU0TXVkdzdzWT0=",
  "expires_in": 86400,
  "token_type": "Bearer",
  "scope": "send_brandname_otp send_brandname"
}

```

### 3.2. Send domestic Customer Care messages

This Endpoint allows sending Customer Care messages (OTP messages, balance notifications, bills, class schedules ...) to user subscribers through domestic telecommunications carriers (Viettel, Vina, Mobi ...)

#### 3.2.1. Request from client to API

- Url send Customer Care messages
  - o Test Environment(sandbox)
    - <http://sandbox.sms.fpt.net/api/push-brandname-otp>
  - o Production Environment(live)
    - <https://app.sms.fpt.net/api/push-brandname-otp>
    - <https://service.sms.fpt.net/api/push-brandname-otp>
- Scope requirement: send\_brandname\_otp
- Data type: JSON
- Method: POST
- Data input

Parameter	Data type	Option	Description	Value
<b>access_token</b>	String	Compulsory	Access token	Access token đã lấy ở Step 3.1
<b>session_id</b>	String	Compulsory	Session id of request	Random string of characters (<= 32 characters)
<b>BrandName</b>	String	Compulsory	Brandname registered with FPT	Registered Brandname (Note: this is not the application name in Step 2.2)
<b>Phone</b>	String	Compulsory	The phone number to	84987654321 or 0987654321

			receive the message. Format: 84xx or 0xxx	
<b>Message</b>	String	Compulsory	The content of the message to be sent. Note that the message content must be encrypted Base64	Example: ZGF5IGxhIG5vaSBkdW5nIHRlc3Q=
<b>RequestId</b>	String	Option	Value Option (<=100). Client can choose definition of Value distinguish the sending source, export the report ...	Message_sented_from_server_A Message_sented_from_server_B

○ Data Sample

```
{
  "access_token": "RINuOGVTSXBWR3szeitUOWw5dTJZa3lQcFJqZ0ZBdkpFdHIKN0IGQW1pVXUvcTNFeHBPENyM2JnTUNWbGRWK2Y0QXJQQUhSdDEwZ2pvVjRSS1JqbTdkd29vTm9SRkFRbGJrcTNSRGtZTTIGZWVvVVpnUGp3dzhLQjN0SUVYc2FqVGdCWnUwa0dVRUExaEgrK0tGZDQ5bFRySXYvWXF0a1QvV2FWcGNDNHVx",
  "session_id": "5c22be0c0396440829c98d7ba124092020145753419",
  "BrandName": "FTI",
  "Phone": "84848486687",
  "Message": "ZGF5IGxhIG5vaSBkdW5nIHRlc3Q=",
  "RequestId": "tranID-Core01-987654321"
}
```

### 3.2.2. Response API return for Client

2 possible cases might happen, “success” (input valid data) or ‘failure’ (input invalid data)

‘Success’ cases (HTTP response status codes = 200)

Parameter	Data type	Description
<b>MessageId</b>	Int	ID of sent message
<b>Phone</b>	String	Phone number of sent message
<b>BrandName</b>	String	The brandname is used to send message

<b>Message</b>	String	Sent message content
<b>PartnerId</b>	String	ID of parter sent message
<b>Telco</b>	String	Telco supplier of the phone number

○ Data Sample

```
{
  "MessageId": "491785",
  "Phone": "84848486687",
  "BrandName": "FTI",
  "Message": "this is the test conent",
  "PartnerId": "2215",
  "Telco": "vina"
}
```

- 'Failure' cases (HTTP response status codes <> 200)

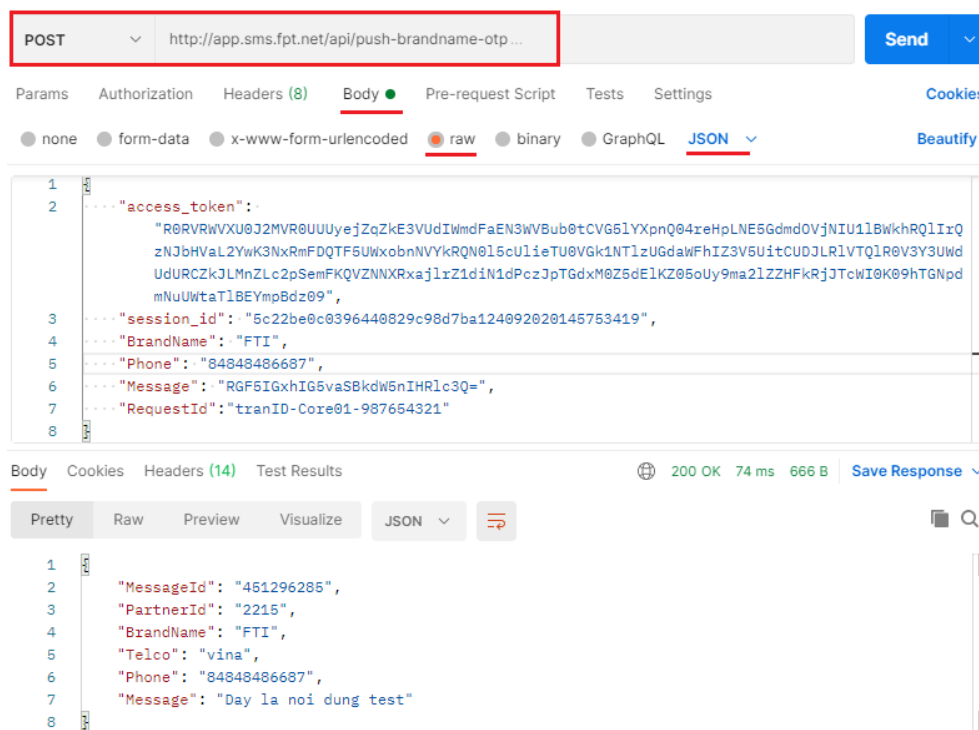
Parameter	Data type	Description
<b>Error</b>	Int	Error code
<b>Error_description</b>	String	Detail error description

○ Data Sample

```
{
  "error": 1011,
  "error_description": "Access token is incorrect."
}
```

### 3.2.3. Example

Example of using Postman to test sending message



### 3.3. Send International Customer Care Messages

This endpoint will allow sending customer service messages (OTP messages, balance notifications, invoices, class schedules ...) to overseas subscribers through telecommunications networks of countries around the world (these carriers of USA, Singapore, China ...)

#### 3.3.1. Request from client to API

- Url to send messages
  - o Test Environment(Sandbox)
    - <http://sandbox.sms.fpt.net/api/push-brandname-international>
  - o Production Environment(Live)
    - <https://app.sms.fpt.net/api/push-brandname-international>
    - <http://service.sms.fpt.net/api/push-brandname-international>
- Scope requirement: send\_brandname\_otp
- Data type: JSON
- Method: POST
- Data input (Note that the parameter distinguishes between UPPERCASE and lowercase characters)

Parameter	Data type	Option	Description	Value
<b>access_token</b>	String	Compulsory	Access token	Access token obtained at Step 3.1
<b>session_id</b>	String	Compulsory	Session id of request	Random string of characters(<= 32 characters)

<b>BrandName</b>	String	Compulsory	Brandname registered with FPT	Registered Brandname (Note: this is not the application name in Step 2.2)
<b>Phone</b>	String	Compulsory	The phone number to receive the message. Format: 84xx or 0xxx	84987654321 or 0987654321
<b>Message</b>	String	Compulsory	The content of the message to be sent. Note that the message content must be encrypted Base64	Example: ZGF5IGxhIG5vaSBkdW5nIHRlc3Q=
<b>RequestId</b>	String	Option	Value Option (<=100). Client can choose definition of Value distinguish the sending source, export the report ...	Message_sented_from_server_A Message_sented_from_server_B

○ Data Sample

```
{
  "access_token": "RINuOGVTSXBWR3czeitUOWw5dTJZa3lQcFJqZ0ZBdkpFdHIKN0IGQW1pVX
UvcTNFeHBPeENyM2JnTUNWbGRWK2Y0QXJQQUhSdDEwZ2pvVjRSSlJqbTdkd29vTm9SRkF
RbGJrcTNSRGtZTTIGZWVovVpnUGp3dzhLQjN0SUVYc2FqVGdCWnUwa0dVRUExaEgrK0tGZ
DQ5bFRySXYvWXF0a1QvV2FWcGNDNHVx",
  "session_id": "5c22be0c0396440829c98d7ba124092020145753419",
  "BrandName": "FTI",
  "Phone": "1749123456",
  "Message": "ZGF5IGxhIG5vaSBkdW5nIHRlc3Q=",
  "RequestId": "tranID-Core01-987654321"
}
```

### 3.3.2. Response API return Client

2 possible cases might happen, ‘sucess’ (input valid data) or ‘failure’ (input invalid data)

- “Success” case(HTTP response status codes = 200)

Parameter	Data type	Description
-----------	-----------	-------------

<b>MessageId</b>	Int	ID of sent message
<b>Phone</b>	String	Phone number of sent message
<b>BrandName</b>	String	The brandname is used to send message
<b>Message</b>	String	Sent message content
<b>PartnerId</b>	String	ID of partner sent message
<b>Telco</b>	String	Telco supplier of the phone number

○ Data Sample

```
{
  "MessageId": "491785",
  "Phone": "1749123456",
  "BrandName": "FTI",
  "Message": "This is testing content",
  "PartnerId": "2215",
  "Telco": "US"
}
```

- “Failure” case (HTTP response status codes <> 200)

Parameter	Data type	Description
<b>Error</b>	Int	Error code
<b>Error_description</b>	String	Detail error description

○ Data Sample

```
{
  "error": 1011,
  "error_description": "Access token is invalid."
}
```

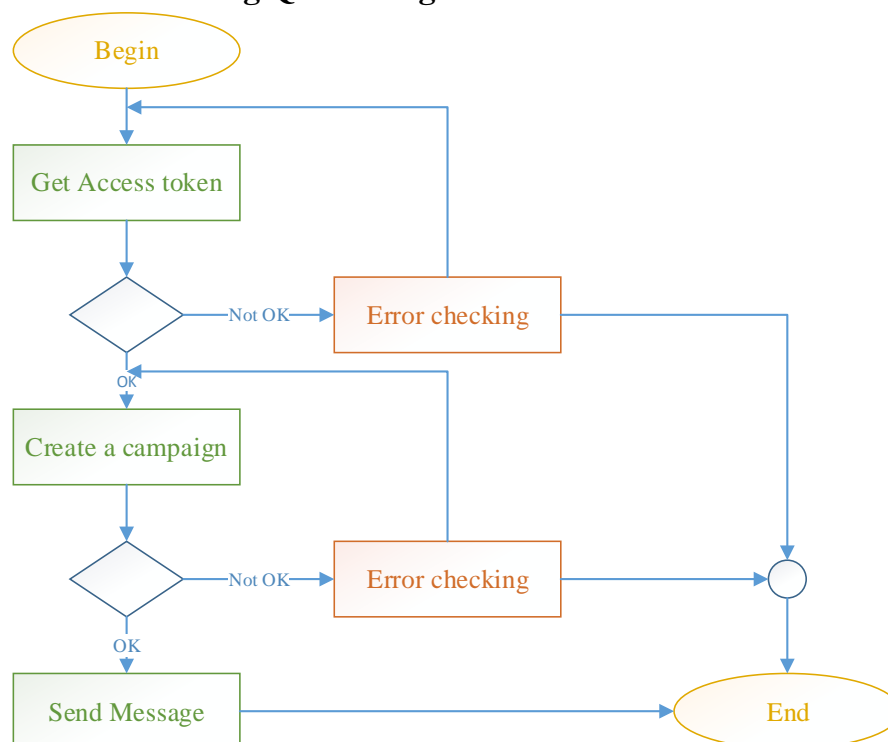
### 3.4. To send messages QC

#### 3.4.1. Some rules of sending messages QC

- Time to receive orders of the Telco: from 8:30 a.m. to 4:30 p.m. on Weekdays (from Monday to Friday)
- Duration of QC message approval: 2-3h
- Partner can schedule messages to be sent to user subscribers all days of the week (from Monday to Sunday) but note that the time frame is allowed to send as below, beyond this time frame - QC messages will be blocked

	Time frame	Status
<b>Morning</b>	08:00 - 11:30	Allowed to send QC message
<b>Afternoon</b>	13:30 - 20:00	Allowed to send QC message
<b>Evening</b>		

### 3.4.2. Process of sending QC messages via API



### 3.4.3. Create a campaign

#### 3.4.3.1. Request from client on API

- Url create campaign
  - o Test Environment(Sandbox)
    - <http://sandbox.sms.fpt.net/api/create-campaign>
  - o Production Environment(Live)
    - <https://app.sms.fpt.net/api/create-campaign>
    - <https://service.sms.fpt.net/api/create-campaign>
- Scope requirement: send\_brandname
- Data type: JSON
- Method: POST
- Data input (Note that: the parameter distinguishes between UPPERCASE and lowercase characters)

Parameter	Data type	Option	Description	Value
<b>access_token</b>	String	Compulsory	Access token	Access token obtained from Step 3.1
<b>session_id</b>	String	Compulsory	Session id of request	Random string of characters(<= 32 characters)



<b>CampaignName</b>	String	Compulsory	The name of the campaign you want, note that the campaign name cannot be the same and each campaign can only be used once	Random string of characters(<= 32 characters)
<b>BrandName</b>	String	Compulsory	Brandname registered with FPT	Registered Brandname (Note: this is not the application name in Step 2.2)
<b>Message</b>	String	Compulsory	The content of the message to be sent.	Happy birthday to shopee, discount coupons for 70% of the purchase order
<b>ScheduleTime</b>	String	Compulsory	Expected time to send messages to user subscribers. Format: yyyy-mm-dd HH:ii	Example: 2021-06-18 09:00
<b>Quota</b>	Int	Compulsory	Maximum number of message allows to send in a Campaign	Message has a length of 200 characters (equivalent to 2 messages), if you want to send a message to List 1000 phone numbers, then the minimum Quota needs to be: $1000 \times 2 = 2000$

○ Data Sample

```
{
  "access_token": "TjFURGRPZDNqMDF3Sjc0ZkJKbjRhbg5OK2pOZUpnR0tmcVIwdHR6N1haQ2ViV0Z2ZUNKNmxjRjZlRk5WMjRhUnMwWIVzdGNWQ2NRRjBGYmYvVWVLQVZ1NFB5ekc2OEtpQVRiUVI0dE9CVEJXZXdRSmJpK3BaSGkzaDBsa213RDNTNmcxUlpubzY1Y3k5RXVmZ0VyM0Q1YTZhZT15eUtyTjZnWnRkdnlPMWhiaEIRL1BNczN5T2FFY1VkaFJISINWc3hpr2U0aEsrU09pMFBhUHMyNzdxdzRaL1JJTzlxQIFCeHZTcEo1VTNyUT0",
  "session_id": "5c22be0c0396440829c98d7ba124092020145753419",
  "CampaignName": " Promotion program 06/2021",
  "BrandName": "FTI",
  "Message": " Discount 50% for all purchase order under 100 million dong ",
}
```

```

{
  "ScheduleTime": "2021-06-18 09:00",
  "Quota": 1000
}

```

### 3.4.3.2. Response API return to Client

2 possible cases might happen, “success” (input valid data) or ‘failure’ (input invalid data)

- “Success” case (HTTP response status codes = 200)

Parameter	Data type	Description
<b>CampaignCode</b>	String	Campaign code when successfully created

- o Data Sample

```

{
  "CampaignCode": "MjIxNQ==60cb06fa1d9bb"
}

```

- “Failure” case (HTTP response status codes <> 200)

Parameter	Data type	Description
<b>Error</b>	Int	Error code
<b>Error_description</b>	String	Detail error description

- o Data Sample

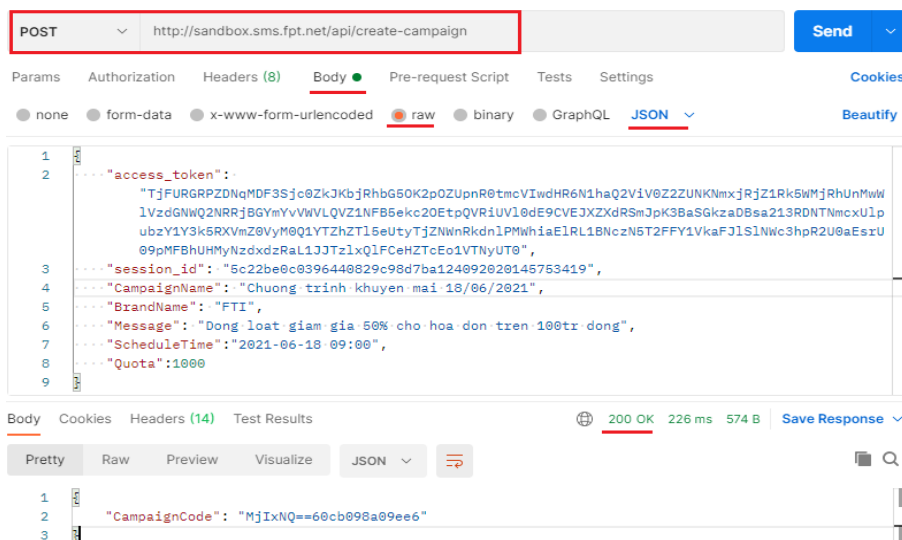
```

{
  "error": 1014,
  "error_description": "Campaign name already exists."
}

```

### 3.4.3.3. Example

Example of using Postman to create campaign



### 3.4.4. Send messages

#### 3.4.4.1. Request from client to API

- Url sending QC message
  - o Test Environment(Sandbox)
    - <http://sandbox.sms.fpt.net/api/push-brandname-ads>
  - o Production Environment(Live)
    - <https://app.sms.fpt.net/api/push-brandname-ads>
    - <https://service.sms.fpt.net/api/push-brandname-ads>
- Scope requirement: send\_brandname
- Data type: JSON
- Method: POST
- Data input (Note that the parameter distinguishes between UPPERCASE and lowercase characters)

Parameter	Data type	Option	Description	Value
<b>access_token</b>	String	Compulsory	Access token	Access token obtained at Step 3.1
<b>session_id</b>	String	Compulsory	Session id của request	Random string of characters(<= 32 characters)
<b>CampaignCode</b>	String	Compulsory	The campaign code has been successfully created at Step 3.4.3	Example: MjIxNQ==60cb098a09ee6
<b>PhoneList</b>	String	Compulsory	List of phone numbers to send messages. Phone numbers	Example: 0987654321,0123456789

			are separated by commas (.). Phone format: 84xx or 0xxx	
--	--	--	---	--

○ Data Sample

```
{
  "access_token": "TjFURGRPZDNqMDF3Sjc0ZkJKbjRhbG5OK2pOZUpnR0tmcVIwdHR6N1haQ2ViV0Z2ZUNKNmxjRjZ1Rk5WMjRhUnMwWIVzdGNWQ2NRRjBGYmYvVWVLQVZ1NFB5ekc2OEtPQVRiUVI0dE9CVEJXZXdRSmJpK3BaSGkzaDBsa213RDNTNmcxUlpubzY1Y3k5RXVmZ0VyM0Q1YTZhZT15eUtyTjZnWnRkdnIPMWhiaEIRL1BNczN5T2FFY1VkaFJISlNWc3hpR2U0aEsrU09pMFBhUHMynZdxdzRaL1JJTzlxQIFCeHZTcEo1VTNyUT0",
  "session_id": "5c22be0c0396440829c98d7ba124092020145753419",
  "CampaignCode": "MjIxNQ==60caff8b6f5a6",
  "PhoneList": "0987654321,0987654123"
}
```

### 3.4.4.2. Response API return Client

2 possible cases might happen, “success” (input valid data) or ‘failure’ (input invalid data)

- “Success” case (HTTP response status codes = 200)

Parameter	Data type	Description
<b>NumMessageSent</b>	Int	Number of messages sent
<b>NumRemainQuota</b>	Int	Number of messages (Quota) is left
<b>BatchId</b>	String	BatchId of QC Message. BatchId + phone number (format 84xx) = ID of QC Message

○ Data Sample

```
{
  "NumMessageSent": 2,
  "NumRemainQuota": 8,
  "BatchId": "qc.2215.1623984019.82989"
}
```

- “Failure” case (HTTP response status codes <> 200)

Parameter	Data type	Description
<b>Error</b>	Int	Error code

<b>Error_description</b>	String	Detail error description
--------------------------	--------	--------------------------

- Data Sample

```
{
  "error": 1014,
  "error_description": "Campaign is already sent."
}
```

#### 4. Get delivery report of sent messages

##### 4.1. Get delivery report of Customer Care messages

The response response from the API when sending the message in Step 3 above is not the final state of the message sent to the user subscriber, it is just a response to the interaction between the client and the API.

There are two ways to check the last sending status, which Telco sends down to the user subscription:

- 1<sup>st</sup> way: Log-in to <https://partner.sms.fpt.net/> with the account that has been granted to look up and send messages (Portal provided by FPT to send messages, look up ...)
- 2<sup>nd</sup> way: Build a webhook (Reverse APIs) for FPT to callback the results of messages sent from Telco

To the 2<sup>nd</sup> way, please build in Webhook according to the following format, **then provide the URL and the Authorization Key string to FPT**, so that FPT can config the callback.

- Url: [http/https]://your-domain-name/your-path
- Method: POST
- Request header:
  - Content-Type: application/json
  - Accept: application/json
  - Authorization: Basic **AUTHORIZATION\_KEY (Is a random string to authenticate)**
- Request body
  - Data input (Note that the parameter distinguishes between UPPERCASE and lowercase characters)

Parameter	Data type	Option	Description	Value
<b>smsid</b>	Int	Compulsory	It will be the MessageID of the successfully sent message API returned from Step 3.	451838640

<b>Status</b>	TinyInt	Compulsory	The last message processing status returned from Telco	1: Success 2 or -11: Waiting, no result yet 0: Failure
<b>Telco</b>	String	Option	The current Telco company of this subscriber number	Viettel: viettel Vinaphone: vina Mobifone: mobi VNM: htc Gtel: beeline Itelecom: itel
<b>Error</b>	String	Option	Error code or kèm Detail error description	
<b>mt_count</b>	TinyInt	Option	Length of message	

- Data output thành công (HTTP response status codes = 200)

Parameter	Data type	Option	Description	Value
<b>status</b>	TinyInt	Compulsory	Request processing status when FPT callback	1: Success

- Data output thất bại (HTTP response status codes <> 200)

Parameter	Data type	Option	Description	Value
<b>status</b>	TinyInt	Compulsory	Request processing status when FPT callback	0: Failure
<b>desc</b>	String	Option	Detail Description	Example: "Invalid data"

- Example request FPT will callback with Postman
  - Request header

POST ▼ https://a /drl

Params Authorization Headers (11) Body ● Pre-request Script Tests Settings

Headers ◀ 8 hidden

KEY	VALUE
<input checked="" type="checkbox"/> Content-Type	application/json
<input checked="" type="checkbox"/> Authorization	Basic 4355d6fc4cd24598aa7cb363f662c2fb
<input checked="" type="checkbox"/> Accept	application/json
Key	Value

○ Request body

POST ▼ https://ap drl Send ▼

Params Auth Headers (11) Body ● Pre-req. Tests Settings Cookies

raw ▼ JSON ▼ Beautify

```

1  {
2    "smsid": "270148016",
3    "status": 1,
4    "telco": "viettel",
5    "error": null,
6    "mt_count": 1
7  }

```

Body ▼ 200 OK 3.36 s 271 B Save Response ▼

Pretty Raw Preview Visualize JSON ▼ 🔍

```

1  {
2    "status": 1
3  }

```

## 4.2. Get delivery report of QC Messages

### 4.2.1. Get the status of Campaign

API will return campaign details such as: number of sent messages, approved messages or not approved messages, reasons for not being approved if any

- Url: <https://app.sms.fpt.net/api/detail-ads> or <https://service.sms.fpt.net/api/detail-ads>
- Scope requirement: send\_brandname
- Data type: JSON
- Method: POST
- Data input (Note that the parameter distinguishes between UPPERCASE and lowercase characters)

Parameter	Data type	Option	Description	Value
<b>access_token</b>	String	Compulsory	Access token	Access token obtained at Step 3.1
<b>CampaignCode</b>	String	Compulsory	Campaign code of sent QC messages	

- Data output “success” (HTTP response status codes = 200)

Parameter	Data type	Description
<b>CampaignCode</b>	String	Code of created Campaign
<b>Total</b>	String	Number of sent QC messages
<b>Quota</b>	String	Quota mà Campaign đã tạo
<b>IsSent</b>	String	0: Failed to be sent 1: Sent
<b>SendingTime</b>	String	Sending time of Campaign
<b>StatusDetail[Reason]</b>	String	Reasons for not being approved
<b>StatusDetail[Status]</b>	String	0: Not approved 1: Approved

- Data output “failure” (HTTP response status codes <> 200)

Parameter	Data type	Description
<b>Error</b>	Int	Error code
<b>Error_description</b>	String	Detail error description

#### 4.2.2. Get status of every single QC message

The API will return log details for each subscriber number according to the csv file list. Note that: QC message results will be unreal-time as that of Customer Care message, usually the results will be returned after sending time 3-5 working days.

- Url: <https://app.sms.fpt.net/api/dlr-ads> or <https://service.sms.fpt.net/api/dlr-ads>
- Scope requirement: send\_brandname
- Data type: JSON
- Method: POST
- Data input (Note that: the parameter distinguishes between UPPERCASE and lowercase characters)

Parameter	Data type	Option	Description	Value
-----------	-----------	--------	-------------	-------



<b>access_token</b>	String	Compulsory	Access token	Access token obtained at Step 3.1
<b>campaign_code</b>	String	Compulsory	Campaign code of sent QC messages	

- Data output “success” (HTTP response status codes = 200)  
Detail-each-row .csv file is returned
- Data output “failure” (HTTP response status codes <> 200)

Parameter	Data type	Description
<b>Error</b>	Int	Error code
<b>Error_description</b>	String	Detail error description

## 5. Error code table

Error code	Description
<b>1001</b>	Invalid Request
<b>1002</b>	Client is not allowed to access
<b>1003</b>	Access is denied
<b>1004</b>	Response requirement type is not supported
<b>1005</b>	Invalid scopes
<b>1006</b>	Server error
<b>1007</b>	Server temporarily unable to process requests from client
<b>1008</b>	Client information is invalid (wrong client_id or client_secret)
<b>1009</b>	Invalid permission type
<b>1010</b>	Scope is insufficient permission to access
<b>1011</b>	Invalid Access token
<b>1012</b>	Access token has been changed
<b>1013</b>	Access token is expired
<b>1014</b>	Input parameter error
<b>1015</b>	This permission type is not supported
<b>1016</b>	The number of messages sent has exceeded the quota
<b>2501 or 1</b>	Duplicate message in 5 minutes
<b>2502</b>	Sending quota has expired
<b>2503</b>	The sending quota has not been configured yet
<b>2504 or 54</b>	Brandname is not activated or locked
<b>2505 or -11</b>	Phone number is blocked
<b>2506</b>	Service error
<b>2507</b>	Undefined error
<b>2 or -8</b>	Brandname has not been registered with Telco yet
<b>3</b>	Service error from Telco
<b>4 or -14 or 901</b>	Message length exceeds rules of Telco
<b>5 or -20 or 55</b>	The message content (template) is not registered or wrong content sent compared to the registered template
<b>6 or -18</b>	Content sent exists blocked key words

---

7	Content contains Vietnamese characters (Unicode) when encoding (Direction Viettel Bank)
8	Cannot decrypt, message sent is not encrypted.. (Direction Viettel Bank)
<b>53 or -10 or 902</b>	Wrong phone number