# HyperSMS V2.0 OpenAPI documentation

## 1 Overview

### 1.1 Terminology introduction

|  |  |  |
| --- | --- | --- |
| Noun | Description | Remarks |
| app | Application access side | HyperSMS OpenAPI application access side |
| appId | Application ID | Provided after account opening |
| appKey | Application Key | Provided after account opening |
| appSecret | Application Password | Provided after account opening |
| token | server token | Generated after calling the login API |
| callbackApproveUrl | Receipt address of approve status | Provided by the access party before opening an account |
| callbackSendUrl | Sending status receipt address | Provided by the accessing party before opening an account |

### 1.1 Account opening process

1. The access party provides two return receipt addresses, callbackApproveUrl/callbackSendUrl
2. Apply for account opening in the HyperSMS platform, and generate appId/appKey/appSecret and provide it to the accessing party

### 1.2 API call process

1. The application access party calls the login API to obtain the token through appId/appSecret
2. By specifying token in the header; then call other APIs as needed
3. The sign value needs to be specified when calling in each business API, and the calculation process is detailed in “Appendix G”
4. If the business data needs to be approved, the approve status will be callback through the “callbackApproveUrl” address
5. After the sending task is processed, the DR and Retrieve status will be callback through the “callbackSendUrl” address

### 1.3 Unified access entrance:

* Test-ENV: http://client.vn-vtt-test.corporfountain.com/openapi/v2/
* Prod-ENV: https://vnvtt-hypersms.corporfountain.com/openapi/v2/

Note: The above address may change, please confirm with the service party!

## 2 Standards and specifications

### 2.1 Communication protocol

HTTPS/HTTP

### 2.2 Request method

All API use the POST[raw] method uniformly, and the data format is uniformly JSON

### 2.3 Character encoding

Unified to UTF-8 character set encoding

### 2.4 API format standard

#### 2.4.1 Headers standard format

{  
 "Content-Type":"application/json",  
 "appId": 0101010,  
 "timestamp": 1621503576000,  
 "token":"eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzUxMiJ9.eyJzdWIiOiIxMDAwMDE2ODMiLCJpYXQiOjE2MjE0OT"  
}

Description:

|  |  |  |
| --- | --- | --- |
| Parameters | Required or not | Description |
| Content-Type | Optional | Request type, currently only supports application/json |
| appId | Required | Access party application ID |
| token | Required | Token after login, empty string if not logged in |
| timestamp | Required | Current UNIX timestamp (milliseconds) |

#### 2.4.2 Request Body Standard Format

{  
 "key1": "Value1",  
 "key2": "Value2",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

Description:

|  |  |  |
| --- | --- | --- |
| Parameter | Required or not | Description |
| < key1 > |  | Refer to the actual API definition format requirements |
| sign | Required | Sign value of this request |
| timestamp | Required | Current UNIX timestamp (milliseconds) |

#### 2.4.3 Response Body standard format

{  
 "code": "100",  
 "msg": "api.response.code.success"  
 "msgArgs": null,  
 "data": {  
 "code": "123123123"  
 }  
}

Description:

|  |  |  |
| --- | --- | --- |
| Parameter | Required or not | Description |
| code | Required | Response status |
| msg | Required | Response message; |
| msgArgs | Optional | Response message extended description; |
| data | Required | Response return value (Note: different API return value types are different); |

## 3. Authentication related API

### 3.1 Login API

* **API description:** The access party obtains the global token through the login API
* **API address:** app/login

#### 3.1.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| appId | string | Required | Access party application ID |
| appSecret | string | Required | Access party password |

Example request:

{  
 "appId":"18520322032",  
 "appSecret":"acb000000"  
}

#### 3.1.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| expire | long | Required | Expiration time (in seconds) |
| token | string | Required | Access token |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "expire": 604800,  
 "Token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzUxMiJ9.eyJzdWIiOiIxMDAwMDE2ODMiLCJpYXQiOjE2MjE1NjQ0OTAsImV4cCI6MTYyMjE2OTI5MH0.O1sqK5jk-wI2DQNOsunZ5cU0x9369cTKxItmfPRHA57Kk5ynhSoWnV5YyysX65l4LqsUKITEBUWnZ78h-UdrJA"  
 }  
}

## 4. Brandname related API

### 4.1 New brand API

* **API description:** New brand information
* **API address:** app/brandname/add

#### 4.1.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| brandName | string | Required | Brand name |
| description | string | Optional | Description |
| certified | string | Optional | Certificate URL |

Example request:

{  
 "brandName":"Google",  
 "description":" Description ",  
 "certified":"http://www.google.cn/aaaqeqeqw.gif",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 4.1.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Brand code |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "code": "1212300"  
 }  
}

### 4.2 Paging query brand API

* **API description:** Query brand information, support paging
* **API address:** app/brandname/query

#### 4.2.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| brandName | string | Optional | Brand name |
| code | string | Optional | Brand code |
| currPage | int | Required | Current page number, default value is 1 |
| pageSize | int | Required | The number of items per page, the default value is 10 |

Example request:

{  
 "brandName":"",  
 "code":"",  
 "currPage": 1,  
 "pageSize": 1,  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 4.2.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code See: “Appendix A” |
| msg | string | Required |  |
| data | object | Required |  |
| totalCount | int | Required | Total number |
| totalPage | int | Required | Total Pages |
| list | array | Optional | Query results |
| code | string | Required | Brand code |
| brandName | string | Required | Brand name |
| certified | string | Optional | Certificate URL |
| createTime | long | Optional | Create timestamp (milliseconds) |
| status | int | Required | Data status See: Appendix C |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "totalCount": 100,  
 "totalPage": 2,  
 "currPage": 1,  
 "pageSize": 1,  
 "list": [  
 {  
 "brandName":"bName",  
 "code":"XXX13123",  
 "brandName": "http://www.google.cn/aaaqeqeqw.gif",  
 "createTime": 1621503576000,  
 "status": 1  
 }  
 ]  
 }  
}

### 4.3 Query Brand Details API

* **API description:** Query brand details, including the latest approve information, etc.
* **API address:** app/brandname/info

#### 4.3.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Brand code |

Example request:

{  
 "code":"001aaab",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 4.3.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Brand code |
| brandName | string | Required | Brand name |
| certified | string | Optional | Certificate URL |
| createTime | long | Optional | Create timestamp (milliseconds) |
| status | int | Required | Data status See “Appendix D” for details |
| approve | object | Optional | Approve information |
| status | int | Optional | Approve status See “Appendix E” for details |
| opinion | int | Optional | Approve opinion |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "brandName":"bName",  
 "code":"XXX13123",  
 "brandName": "http://www.google.cn/aaaqeqeqw.gif",  
 "createTime": 1621503576000,  
 "status": 1,  
 "approve": {  
 "status": 0,  
 "opinion": "pass"  
 }  
 }  
}

### 4.4 Brand invalidation API

* **API description:** Collocation of brand data offline is invalid
* **API address:** app/brandname/invalid

#### 4.3.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Brand code |

Example request:

{  
 "code":"001aaab",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 4.3.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": null  
}

## 5. Template related API

### 5.1 New template API

* **API description:** New template information
* **API address:** app/template/add

#### 5.1.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| type | int | Required | Product type; see “Appendix B” for details |
| brandNameCode | string | Required | Brand code |
| productItemCode | string | Required | The belonging product item; see “Appendix C” for details |
| title | string | Required | Template title |
| content | string | Required | Template content (support up to 5 dynamic parameter {0} format) |

Request example:

* **Normal Template**

{  
 "type":2,  
 "brandNameCode":"001aaab",  
 "productItemCode":"SMS\_AD\_GROUP\_1",  
 "title":"temp title",  
 "content":"Hi, My name is HAHA",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

* **Dynamic parameter template**

{  
 "type":2,  
 "brandNameCode":"001aaab",  
 "productItemCode":"SMS\_AD\_GROUP\_1",  
 "title":"temp title",  
 "content":"Hi, My name is {0}",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 5.1.2 Return result

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Template code |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "code": "1212300"  
 }  
}

### 5.2 Edit template API

* **API description:** Edit template information
* **API address:** app/template/edit

#### 5.2.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Template code |
| type | int | Optional | Product type; see “Appendix B” for details |
| brandNameCode | string | Optional | Brand code |
| productItemCode | string | Optional | The belonging product item; see “Appendix C” for details |
| title | string | Optional | Template title |
| content | string | Optional | Template content (support up to 5 dynamic parameters {index} format) |

Request example:

{  
 "code":"1212300",  
 "title":"New Temp title",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 5.2.2 Return result

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Template code |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "code": "1212300"  
 }  
}

### 5.3 Paging query template API

* **API description:** Query template data according to specified conditions, support paging
* **API address:** app/template/query

#### 5.3.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Optional | Template code |
| type | int | Optional | Product type; see “Appendix B” for details |
| brandNameCode | string | Optional | Brand code |
| productItemCode | string | Optional | The belonging product item; see “Appendix C” for details |
| title | string | Optional | Template title (support fuzzy check) |
| currPage | int | Required | Current page number, default value is 1 |
| pageSize | int | Required | The number of items per page, the default value is 10 |

Example request:

{  
 "brandName":"",  
 "code":"",  
 "currPage": 1,  
 "pageSize": 1,  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 5.3.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code See: “Appendix A” |
| msg | string | Required |  |
| data | object | Required |  |
| totalCount | int | Required | Total number |
| totalPage | int | Required | Total Pages |
| list | array | Optional | Query results |
| code | string | Required | Template code |
| type | int | Required | Template type; see “Appendix B” for details |
| brandNameCode | string | Required | Brand code |
| productItemCode | string | Optional | The product item belongs to; see “Appendix C” for details |
| title | string | Optional | Template title |
| createTime | long | Optional | Create timestamp (milliseconds) |
| status | int | Required | Data status See “Appendix D” for details |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "totalCount": 100,  
 "totalPage": 2,  
 "currPage": 1,  
 "pageSize": 1,  
 "list": [  
 {  
 "type":2,  
 "brandNameCode":"001aaab",  
 "productItemCode":"SMS\_AD\_GROUP\_1",  
 "title":"temp title",  
 "createTime": 1621503576000,  
 "status": 1  
 }  
 ]  
 }  
}

### 5.4 Template Detail API

* **API description:** Query template details according to the template code, including review information
* **API address:** app/template/info

#### 5.4.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Template code |

Request example:

{  
 "code":"001aaab",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 5.4.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Template code |
| type | int | Required | Template type; see “Appendix B” for details |
| brandNameCode | string | Required | Brand code |
| productItemCode | string | Required | The belonging product item; see “Appendix C” for details |
| title | string | Required | Template title |
| content | string | Required | Template content |
| createTime | long | Required | Create timestamp (milliseconds) |
| status | int | Required | Data status See “Appendix D” for details |
| approve | object | Optional | Approve information |
| status | int | Required | Approve status See “Appendix E” for details |
| opinion | int | Optional | Approve opinion |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "type":2,  
 "brandNameCode":"001aaab",  
 "productItemCode":"SMS\_AD\_GROUP\_1",  
 "title":"temp title",  
 "createTime": 1621503576000,  
 "status": 1,  
 "content":"Hi, My name is HAHA"  
 "approve": {  
 "status": 0,  
 "opinion": "pass"  
 }  
 }  
}

### 5.5 Template invalidation API

* **API description:** The template data is offline and invalidated
* **API address:** app/template/invalid

#### 5.3.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Template code |

Example request:

{  
 "code":"001aaab",  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 5.3.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": null  
}

## 6. Send Send related API

### 6.1 Sending API

* **API description:** Send a single number
* **API address:** app/send

#### 6.1.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| type | int | Required | Product type; see “Appendix B” for details |
| templateCode | string | Optional | HyperSMS template code [V2.0 version not currently supported] |
| smsTemplateCode | string | Required | SMS template code |
| subId | string | Required | Send number |
| param | array | Optional | Set of dynamic parameter values ​​Note: The order should correspond to the dynamic parameter (index) in the template |
| encodeType | int | Optional | Optional (0: plaintext, 1: operator encryption) The default is 0 |

Example request:

* **Normal Template**

{  
 "type":2,  
 "smsTemplateCode":"001aaab",  
 "subId":"091313123123",  
 "encodeType": 0,  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

* **Dynamic parameter template**

{  
 "type":2,  
 "smsTemplateCode":"001aaab",  
 "subId":"091313123123",  
 "param": ["0","2"]  
 "encodeType": 0,  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 6.1.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Send code |
| status | int | Optional | Send status (1: normal; 0: failed) |
| msg | string | Optional | Send details |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "code": "160139858512181547",  
 "status": 1  
 "msg": null  
 }  
}

### 6.2 Batch sending API

* **API description:** Send multiple numbers (only 500 numbers are currently supported)
* **API address:** app/send/batch

#### 6.2.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| type | int | Required | Product type; see “Appendix B” for details |
| templateCode | string | Optional | HyperSMS template code [V2.0 version not currently supported] |
| smsTemplateCode | string | Required | SMS template code |
| subList | array | Required | Send multiple numbers |
| subId | string | Required | Send number |
| param | array | Optional | Set of dynamic parameter values, ​​Note: The order should correspond to the dynamic parameter {index} in the template |
| encodeType | int | Optional | Optional (0: plaintext, 1: operator encryption) The default is 0 |

Example request:

* **Normal Template**

{  
 "type":2,  
 "smsTemplateCode":"001aaab",  
 "subList":[  
 {  
 "subId":"091313123121"  
 },  
 {  
 "subId":"091313123122"  
 }  
 ],  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

* **Dynamic parameter template**

{  
 "type":2,  
 "smsTemplateCode":"001aaab",  
 "subList":[  
 {  
 "subId":"091313123121",  
 "param": ["0","2"]  
 },  
 {  
 "subId":"091313123122",  
 "param": ["0","2"]  
 }  
 ],  
 "timestamp": 1621503576000,  
 "sign": "600e5d07f445be432d86d9271fb1df9b1"  
}

#### 6.2.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| sendList | array | Required |  |
| code | string | Required | Send code |
| status | int | Optional | Send status (1: normal; 0: failed) |
| msg | string | Optional | Send details |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "sendList":[  
 {  
 "code": "160139858512181547",  
 "status": 1,  
 "msg": null  
 },  
 {  
 "code": "160139858512181548",  
 "status": 1,  
 "msg": null  
 }  
 ]  
 }  
}

## 7. Campaign related API

### 7.1 Create campaign API

* **API description:** Create campaign task information and sending rules
* **API address:** app/campaign/add

#### 7.1.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| type | int | Required | Product type; see “Appendix B” for details |
| templateCode | string | Optional | HyperSMS template code [V2.0 version not currently supported] |
| smsTemplateCode | string | Required | SMS template code |
| name | string | Required | Campaign name |
| description | string | Optional | Campaign description |
| property | object | Optional | Activity description |
| startTime | string | Required | Campaign start time (format yyyy-MM-dd HH:mm:ss) |
| endTime | string | Required | Campaign end time (format yyyy-MM-dd HH:mm:ss) |
| sendPeriod | array | Optional | Limit the set of sending intervals |
| start | string | Required | Time period start (format HH:mm:ss) |
| end | string | Required | End of time period (format HH:mm:ss) |
| subList | array | Required | Up to 500 numbers |
| subId | string | Required | Send number |
| encodeType | int | Optional | Optional (0: plaintext, 1: operator encryption) The default is 0 |

Example request:

{  
 "type":2,  
 "smsTemplateCode":"001aaab",  
 "name":"Campaign Test",  
 "description":"description ",  
 "property":{  
 "startTime":"2021-05-22 12:12:12",  
 "sendPeriod":[  
 {  
 "start":"12:12:12",  
 "end":"15:12:12"  
 }  
 ],  
 "subList":[  
 {  
 "code":"160139858512181547",  
 "status":1,  
 "msg":null  
 },  
 {  
 "code":"160139858512181548",  
 "status":1,  
 "msg":null  
 }  
 ]  
 },  
 "timestamp":1621503576000,  
 "sign":"600e5d07f445be432d86d9271fb1df9b1"  
}

#### 7.1.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Activity code |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "code": "1212300"  
 }  
}

### 7.2 Edit campaign API

* **API description:** Edit campaign tasks and activity rules
* **API address:** app/campaign/edit

#### 7.2.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Activity code |
| type | int | Optional | Product type; see “Appendix B” for details |
| templateCode | string | Optional | HyperSMS template code [V2.0 version not currently supported] |
| smsTemplateCode | string | Optional | SMS template code |
| name | string | Optional | Event name |
| description | string | Optional | Campaign description |
| property | object | Optional | Campaign description |
| startTime | string | Optional | Campaign start time (format yyyy-MM-dd HH:mm:ss) |
| endTime | string | Optional | Campaign end time (format yyyy-MM-dd HH:mm:ss) |
| sendPeriod | array | Optional | Limit the set of sending intervals |
| start | string | Optional | Time period start (format HH:mm:ss) |
| end | string | Optional | End of time period (format HH:mm:ss) |
| subList | array | Optional | Up to 500 numbers |
| subId | string | Optional | Send number |
| encodeType | int | Optional | Optional (0: plaintext, 1: operator encryption) The default is 0 |

Example request:

{  
 "code":"1212300",  
 "type":2,  
 "smsTemplateCode":"001aaab",  
 "name":"Campaign Test",  
 "description":"description ",  
 "property":{  
 "startTime":"2021-05-22 12:12:12",  
 "sendPeriod":[  
 {  
 "start":"12:12:12",  
 "end":"15:12:12"  
 }  
 ],  
 "subList":[  
 {  
 "code":"160139858512181547",  
 "status":1,  
 "msg":null  
 },  
 {  
 "code":"160139858512181548",  
 "status":1,  
 "msg":null  
 }  
 ]  
 },  
 "timestamp":1621503576000,  
 "sign":"600e5d07f445be432d86d9271fb1df9b1"  
}

#### 7.2.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Activity code |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "code": "1212300"  
 }  
}

### 7.3 Paging query campaign API

* **API description:** Query activity data according to specified conditions, support paging
* **API address:** app/campaign/query

#### 7.3.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Optional | Campaign code |
| type | int | Optional | Product type; see “Appendix B” for details |
| templateCode | string | Optional | HyperSMS template code [V2.0 version not currently supported] |
| smsTemplateCode | string | Optional | SMS template code |
| name | string | Optional | Campaign name (support fuzzy search) |
| currPage | int | Required | Current page number, default value is 1 |
| pageSize | int | Required | The number of items per page, the default value is 10 |

Example request:

{  
 "smsTemplateCode":"",  
 "code":"",  
 "currPage": 1,  
 "pageSize": 1,  
 "timestamp":1621503576000,  
 "sign":"600e5d07f445be432d86d9271fb1df9b1"  
}

#### 7.3.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code See: “Appendix A” |
| msg | string | Required |  |
| data | object | Required |  |
| totalCount | int | Required | Total number |
| totalPage | int | Required | Total Pages |
| list | array | Required | Query results |
| code | string | Required | Campaign code |
| type | int | Required | Product type; see “Appendix B” for details |
| templateCode | string | Optional | HyperSMS template code [V2.0 version not currently supported] |
| smsTemplateCode | string | Optional | SMS template code |
| name | string | Required | Campaign name |
| description | string | Optional | Campaign description |
| createTime | long | Required | Create timestamp (milliseconds) |
| status | int | Required | Data status See “Appendix D” for details |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "totalCount": 100,  
 "totalPage": 2,  
 "currPage": 1,  
 "pageSize": 1,  
 "list": [  
 {  
 "code": "1212300",  
 "type": 2,  
 "smsTemplateCode": "001aaab",  
 "name": "Campaign Test",  
 "description": "description ",  
 "createTime": 1621503576000,  
 "status": 1  
 }  
 ]  
 }  
}

### 7.4 Campaign Details API

* **API description:** Query event details according to the campaign code, including basic event information, rule information, sending target and approved information
* **API address:** app/campaign/info

#### 7.4.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Campaign code |

Request example:

{  
 "code":"001aaab",  
 "timestamp":1621503576000,  
 "sign":"600e5d07f445be432d86d9271fb1df9b1"  
}

#### 7.4.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |
| code | string | Required | Campaign code code |
| type | int | Required | Product type; see “Appendix B” for details |
| templateCode | string | Optional | HyperSMS template code [V2.0 version not currently supported] |
| smsTemplateCode | string | Optional | SMS template code |
| name | string | Required | Activity name |
| description | string | Optional | Campaign description |
| createTime | long | Required | Create timestamp (milliseconds) |
| status | int | Required | Campaign data status See “Appendix D” for details |
| property | object | Optional | Campaign rule description |
| startTime | string | Optional | Campaign start time (format yyyy-MM-dd HH:mm:ss) |
| endTime | string | Optional | Campaign end time (format yyyy-MM-dd HH:mm:ss) |
| sendPeriod | array | Optional | Limit the set of sending intervals |
| start | string | Optional | Time period start (format HH:mm:ss) |
| end | string | Optional | End of time period (format HH:mm:ss) |
| approve | object | Optional | Approve information |
| status | int | Required | Approve status See “Appendix E” for details |
| opinion | string | Optional | Approve opinion |
| sendList | array | Required | Send number information |
| code | string | Required | Send code |
| status | int | Optional | Send status (1: normal; 0: failed) |
| msg | string | Optional | Send details |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": {  
 "code": "1212300",  
 "type": 2,  
 "smsTemplateCode": "001aaab",  
 "name": "Campaign Test",  
 "description": "description ",  
 "createTime": 1621503576000,  
 "status": 1  
 "property": {  
 "startTime": "2021-05-21 12:12:12",  
 "startTime": "2021-05-22 12:12:12",  
 "sendPeriod":[  
 {  
 "start": "12:12:12",  
 "end": "15:12:12"  
 }  
 ]  
 },  
 "approve": {  
 "status": 0,  
 "opinion": "pass"  
 },  
 "sendList":[  
 {  
 "code": "160139858512181547",  
 "status": 1,  
 "msg": null  
 },  
 {  
 "code": "160139858512181548",  
 "status": 1,  
 "msg": null  
 }  
 ]  
 }  
}

### 7.5 Campaign invalidation API

* **API description:** Invalidated Campaign (Note: Activities in progress cannot be invalidated)
* **API address:** app/campaign/invalid

#### 7.5.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Campaign code |

Example request:

{  
 "code":"001aaab",  
 "timestamp":1621503576000,  
 "sign":"600e5d07f445be432d86d9271fb1df9b1"  
}

#### 7.5.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": null  
}

### 7.6 Cancel Campaign task API

* **API description:** Cancel the active task in execution
* **API address:** app/campaign/cancel

#### 7.6.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Activity code |

Example request:

{  
 "code":"001aaab",  
 "timestamp":1621503576000,  
 "sign":"600e5d07f445be432d86d9271fb1df9b1"  
}

#### 7.6.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": null  
}

### 7.7 Pause campaign task API

* **API description:** Pause the Campaign task that is being executed
* **API address:** app/campaign/pause

#### 7.7.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Campaign code |

Example request:

{  
 "code":"001aaab",  
 "timestamp":1621503576000,  
 "sign":"600e5d07f445be432d86d9271fb1df9b1"  
}

#### 7.7.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": null  
}

### 7.8 Resume campaign task API

* **API description:** Resume campaign tasks that are being suspended
* **API address:** app/campaign/resume

#### 7.8.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| code | string | Required | Activity code |

Example request:

{  
 "code":"001aaab",  
 "timestamp":1621503576000,  
 "sign":"600e5d07f445be432d86d9271fb1df9b1"  
}

#### 7.8.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |
| data | object | Required |  |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
 "data": null  
}

## 8. Callback related API

### 8.1 Approve Status callback API

* **API description:** The data that needs to be approval, when the approve status changes, the callback will be received through the callbackApproveUrl provided by the access party
* **API address:** Provided by the accessing party

#### 8.1.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| type | int | Required | Callback type 1: Brandname 2: Template 3: Campaign |
| code | string | Required | Callback code |
| approve | object | Required | Callback review information |
| status | int | Required | Approve status See “Appendix E” for details |
| opinion | string | Optional | Approve opinion |

Example request:

{  
 "sign": "afsdfasdf2asdfasdf",  
 "timestamp": 1621503576000,  
 "type": 1,  
 "code":"acb000000",  
 "approve": {  
 "status": 1,  
 "opinion": "pass"  
 }  
}

#### 8.1.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |

Example:

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
}

### 8.2 Send and download status callback API

* **API description:** After the sending task is executed, the sending and downloading status will be callback through the callbackSendUrl specified by the access party
* **API address:** Provided by the accessing party

#### 8.2.1 Request parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| sign | string | Optional | Signature See “Appendix G” for details |
| timestamp | long | Required | Current UNIX timestamp (milliseconds) |
| type | int | Required | Callback type 0:DR 1:Retrieve |
| code | string | Required | Callback code |
| status | int | Required | Receipt status See “Appendix F” for details |

Example request:

{  
 "sign": "afsdfasdf2asdfasdf",  
 "timestamp": 1621503576000,  
 "type": 1,  
 "code":"acb000000",  
 "status": 1  
}

#### 8.2.2 Return results

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter name | Type | Required or not | Description |
| code | int | Required | Response code, see “Appendix A” for details |
| msg | string | Required |  |

示例：

{  
 "code": 0,  
 "msg": "api.response.code.success",  
 "msgArgs": null,  
}

## Appendix

### Appendix A Response code description

|  |  |  |
| --- | --- | --- |
| Code | Msg | Remarks |
| 0 | api.response.code.success | The request is successful |
|  |  |  |
| -1 | api.response.code.fail | The request is failure |
| -1 | api.response.code.illegal | Illegal request |
| -1 | api.response.code.unknownError | Server internal exception |
| -1 | api.response.code.paramSignError | Signature error |
|  |  |  |
| 100 | api.response.code.paramError | Parameter error |
| 100 | api.response.code.paramTypeError | Parameter type error |
| 100 | api.response.code.paramNotEmpty | The parameter is empty |
| 100 | api.response.code.paramTokenInvalid | Invalid parameter token |
|  |  |  |
| 200 | api.response.code.user.accountNotExist | appId or appSecret is failure |
| 200 | api.response.code.user.accountHasLocked | Account locked |

### Appendix B: Description of product type code

|  |  |
| --- | --- |
| Code | Remarks |
| 1 | HyperSMS |
| 2 | SMS |

Note: v2.0 only supports SMS

### Appendix C: Description of product item code

|  |  |
| --- | --- |
| Code | Remarks |
| SMS\_AD\_GROUP\_1 | SMS Advertisement |
| SMS\_CSKH\_GROUP\_1 | SMS Customer Care |

### Appendix D: Description of data status code

|  |  |
| --- | --- |
| Code | Remarks |
| 0 | invalid |
| 1 | valid |

### Appendix E: Approve status code description

|  |  |
| --- | --- |
| Code | Remarks |
| 0 | Reject |
| 1 | Pass |
| 2 | Waiting for Approval |

### Appendix F description of sending status code

|  |  |  |
| --- | --- | --- |
| Type | Code | Remarks |
| DR | 1 | Success |
| DR | 2 | Failure |
| DR | 3 | Processing |
| Retrieve | 1 | Success |
| Retrieve | 2 | Failure |
| Retrieve | 3 | Processing |

### Appendix G signature rules

* Before the caller initiates the request, generate the key-value pair of the request parameters
* Sort by parameter key (ascending dictionary)
* Splice the parameter set in the “&key=value” format, and add appKey
* Finally get the sign value through MD5

Code example(java)：

public static String createSign(Map<String, String> params, String appKey){  
 StringBuilder sb = new StringBuilder();  
 Map<String, String> sortParams = new TreeMap<>(params);  
 for (Map.Entry<String, String> entry : sortParams.entrySet()) {  
 String key = entry.getKey();  
 if(StringUtils.isBlank(entry.getValue())){  
 continue;  
 }  
 String value = entry.getValue().trim();  
 if (StringUtils.isNotEmpty(value)){  
 sb.append("&").append(key).append("=").append(value);  
 }  
 }  
 String stringA = sb.toString().replaceFirst("&","");  
 String stringSignTemp = stringA + appKey;  
 String signValue = Md5Encrypt.md5(stringSignTemp);  
 return signValue;  
}