

【SMS-Http-API】

I.API Overview and Usage Instructions

This document provides the complete technical specifications for the SMS HTTP API, including services such as SMS sending, status query, and delivery report.

1. Authentication

All API requests must include the following authentication parameters:

- **apiKey**: The unique identifier for the user's API.
- **secret**: The unique secret key for the user's API.

2. Domain

The API domain must be obtained by contacting the business representative.

II. SMS Request

1. Service Description

Request to send a single SMS message.

2. Request Specification

Api : `order/sms/v1/req`

Http Method : GET / Post Form / Post Json

Example : `https://{domain}/order/sms/v1/req?apiKey=Au-000015-1&secret=r3wf3ewf
&sender=&effectiveTime=&destNum=886976036434&message=yourMessage`

3. Request Params

| Parameter | Required | Max Length | Type | Description | Example |
|---------------|----------|------------|--------|---|--------------|
| apiKey | Y | 12 | String | The unique identifier for the user's API. | Tes-000001-1 |
| secret | Y | 8 | String | The unique secret key for the user's API. | r3wf3ewf |
| sender | Y | 100 | String | Sender code. If not specified, it will be left blank. | |
| message | Y | | String | Message content. | Hello World |
| destNum | Y | 50 | String | Destination phone number in the format: country code + number. | 886900000001 |
| effectiveTime | N | 13 | Long | Validity period. The message will expire after this duration (in milliseconds) added to the request creation time. If not provided, | 3600000 |

| | | | | | |
|--|--|--|--|--|--|
| | | | | the default validity period is 24 hours. | |
|--|--|--|--|--|--|

4. Response Params

Content-Type : application/json

| Parameter | Required | Max Length | Type | Description | Example |
|-----------|----------|------------|--------|--|---------------|
| code | Y | 5 | int | Status code. | 200 |
| msg | Y | 2000 | String | Message description, usually an error or status message. | Error message |
| count | Y | 2 | int | Actual number of created message orders. | 1 |
| messageId | Y | 19 | long[] | Leyun SMS MessageId | |

5. Request Example

Success Response :

```
{
  "code": 200,
  "msg": "success",
  "count": 1,
  "messageId": [
    232
  ]
}
```

Failed Response :

```
{
  "code": 2005,
  "msg": "unable to get any routes for the request",
  "count": 0,
}
```



```
"messageId": null  
}
```

III. SMS BatchRequest

1. Service Description

Supports **batch SMS sending**, allowing multiple message requests to be submitted at once. The system uses an **asynchronous processing mechanism**, immediately returning a list of **messageId** values, while the submitted orders are processed sequentially in the background.

2. Request Specification

Api : `order/sms/v1/reqBatch`

Http Method : Post Json

Example : `https://{domain}/order/sms/v1/reqBatch`

3. Request Params

| Parameter | Required | Max Length | Type | Description | Example |
|---------------|----------|------------|--------|--|--------------|
| apiKey | Y | 12 | String | The unique identifier for the user's API. | Tes-000001-1 |
| secret | Y | 8 | String | The unique secret key for the user's API. | r3wf3ewf |
| sender | Y | 100 | String | Sender code. If not specified, it will be left blank. | |
| effectiveTime | N | 13 | Long | Validity period. The message will expire after this duration (in milliseconds) added to the request creation time. If not provided, the default validity period is 24 hours. | 3600000 |
| data | Y | | Array | Batch SMS data array. See Data Content | |

| | | | | | |
|--|--|--|--|--|--|
| | | | | Description for detailed structure. | |
|--|--|--|--|--|--|

4. Data Content Description (Batch SMS Items)

| Parameter | Required | Max Length | Type | Description | Example |
|-----------|----------|------------|--------|--|--------------|
| message | Y | | String | Message content. | Hello World |
| destNum | Y | 50 | String | Destination phone number in the format: country code + number. | 886900000001 |

5. Request Response

Content-Type : application/json

| Parameter | Required | Max Length | Type | Description | Example |
|-----------|----------|------------|--------|---|---------------|
| code | Y | 5 | int | Status code. | 200 |
| msg | Y | 2000 | String | Message description, usually an error or status message. | Error Message |
| count | Y | 5 | int | Actual number of created message orders. | 10 |
| data | Y | | Array | Batch response data array. See Data Response Content Description for detailed structure. | |

6. Data Response Content Description

| Parameter | Required | Max Length | Type | Description | Example |
|-----------|----------|------------|------|-------------|---------|
|-----------|----------|------------|------|-------------|---------|

| | | | | | |
|-----------|---|----|--------|----------------------------|--|
| messageId | Y | 19 | int | Leyun SMS MessageId | |
| destNum | Y | 50 | String | Recipient phone number. | |

7. Request Example

Request Body :

```
{
  "apiKey": "Tes-000001-1",
  "secret": "r3wf3ewf",
  "sender": "",
  "effectiveTime": 3600000,
  "data": [
    {
      "message": "Hello World 1",
      "destNum": "886905585551",
    },
    {
      "message": "Hello World 2",
      "destNum": "886905585552",
    },
    {
      "message": "Hello World 3",
      "destNum": "886905585553",
    }
  ]
}
```

Success :

```
{
  "code": 200,
  "msg": "success",
  "count": 3,
  "data": [
```

```
{
  "messageId": 1001,
  "destNum": "886905585551",
},
{
  "messageId": 1002,
  "destNum": "886905585552",
},
{
  "messageId": 1003,
  "destNum": "886905585553",
}
]
```

Fail :

```
{
  "code": 1011,
  "msg": "insufficient balance",
  "count": 0,
  "data": null
}
```

8. Notes

- Batch sending adopts an **asynchronous processing mechanism** — the system immediately returns messageId, while the actual delivery status must be confirmed via **DLR (Delivery Report)** or the **query API**.
- Each batch request must **not exceed 50,000 records**.
- If some numbers fail to send, it **does not affect the delivery of other numbers**.

IV. SMS Query

1. Service Description

Provides an interface for clients who need to **actively query SMS status**, allowing them to initiate a request on their own to check the status of a specific message.

2. Request Specification

Api : `order/sms/v1/query`

Http Method : GET

Example : `https://{domain}/order/sms/v1/query?apiKey=Au-000015-1&secret=r3wf3ewf
&messageId=235`

3. Request Params

| Parameter | Required | Max Length | Type | Description | Example |
|-----------|----------|------------|--------|---|--------------|
| apiKey | Y | 12 | String | The unique identifier for the user's API. | Tes-000001-1 |
| secret | Y | 8 | String | The unique secret key for the user's API. | r3wf3ewf |
| messageId | Y | 19 | long | Leyun SMS MessageId | 235 |

4. Request Response

Content-Type : application/json

| Parameter | Required | Max Length | Type | Description | Example |
|-----------|----------|------------|----------|--|---------------|
| code | Y | 5 | int | Status Code. | 200 |
| msg | Y | 2000 | String | Message description, usually an error or status message. | Error message |
| data | Y | | Detail[] | SMS status details. See Data Content | |

| | | | | | |
|--|--|--|--|--|--|
| | | | | Description for more information. | |
|--|--|--|--|--|--|

5. Data Content Description

| Parameter | Required | Max Length | Type | Description | Example |
|-------------|----------|------------|--------|--|---------|
| messageId | Y | 19 | String | Leyun SMS MessageId | |
| destNum | Y | 50 | String | Recipient phone number. | |
| status | Y | 50 | String | Order status (see Chapter VII for details). | |
| errorCode | Y | 50 | String | Error status code (see Chapter VII for details). | |
| networkCode | Y | 10 | String | | 41201 |
| unitPrice | Y | (12,4) | double | Price per message (in USD). | 0.01 |
| realCount | Y | 2 | int | Actual number of messages. | 1 |

6. Request Example

Success :

```
{
  "code": 200,
  "msg": "success",
  "timestamp": 1659668680698,
  "data": [
    {
      "messageId": 357,
```

```
"destNum": "886905585553",  
"status": "LY_ACCEPTED_SUCCESS",  
"errorCode": null,  
"networkCode": null,  
"unitPrice": 1.0,  
"realCount": 2
```

```
}
```

```
]
```

```
}
```

Fail :

```
{
```

```
"code": 1011,
```

```
"msg": "invalid format of messageId",
```

```
"timestamp": 1659668829444,
```

```
"data": null
```

```
}
```

V. SMS DLR

1. Service Description

Whenever our platform receives an SMS delivery status, it will **push a status report** to the **DLR URL** configured under the customer's apiKey.

A **HTTP Status Code 200** response is considered a successful notification.

Note: The DLR URL must be provided to the assigned business representative for configuration.

2. Push Specification

Http Method : GET

Example :

`https://{yourDomain}/receiveDLR?messageId=1&destNum=886999999999&status=PF_DELIVERED&errorCode=&networkCode=46601&unitPrice=0.01&realCount=1×tamp=1658903035886`

3. DLR Param

| Parameter | Required | Max Length | Type | Description | Example |
|-------------|----------|------------|--------|--|---------|
| messageId | Y | 19 | String | Leyun SMS MessageId | |
| destNum | Y | 50 | String | Recipient phone number. | |
| status | Y | 50 | String | Order status (see Chapter 6 for details). | |
| errorCode | Y | 50 | String | Error status code (see Chapter VII for details). | |
| networkCode | Y | 10 | String | | 41201 |
| unitPrice | Y | (12,4) | double | Price per message (in USD). | 0.01 |

| | | | | | |
|-----------|---|----|------|----------------------------|---------------|
| realCount | Y | 2 | int | Actual number of messages. | 1 |
| timestamp | Y | 13 | long | timestamp | 1659596138814 |

VI. Message Segment

1. Taiwan Region Rules

In Taiwan, SMS messages **do not differentiate between encoding types**. The message segmentation rules are as follows:

| Character Range | Number of Segments |
|----------------------|--------------------|
| 1 - 70 characters | 1 |
| 71 - 134 characters | 2 |
| 135 - 201 characters | 3 |
| 202 - 268 characters | 4 |
| 269 - 333 characters | 5 |

2. Rules for Other Regions

2.1 GSM-7 Encoding Rules

GSM-7 encoding supports up to **1,530 characters** per message. The segmentation rules are as follows:

| Character Range | Number of Segments |
|------------------------|--------------------|
| 1 - 160 characters | 1 |
| 161 - 306 characters | 2 |
| 307 - 459 characters | 3 |
| 460 - 612 characters | 4 |
| 613 - 765 characters | 5 |
| 766 - 918 characters | 6 |
| 919 - 1071 characters | 7 |
| 1072 - 1224 characters | 8 |

| | |
|------------------------|----|
| 1225 - 1377 characters | 9 |
| 1378 - 1530 characters | 10 |

2.2 Non-GSM-7 Encoding Rules

Non-GSM-7 encoding (including **Unicode**) supports up to **670 characters** per message. The segmentation rules are as follows:

| Character Range | Number of Segments |
|----------------------|--------------------|
| 1 - 70 characters | 1 |
| 71 - 134 characters | 2 |
| 135 - 201 characters | 3 |
| 202 - 268 characters | 4 |
| 269 - 335 characters | 5 |
| 336 - 402 characters | 6 |
| 403 - 469 characters | 7 |
| 470 - 536 characters | 8 |
| 537 - 603 characters | 9 |
| 604 - 670 characters | 10 |

VII. Status Codes and Error Codes

1. SMS Request Code

| Code | Description |
|------|--|
| 200 | Request successful |
| 500 | System under maintenance |
| 401 | Requests are too frequent |
| 1001 | Missing apiKey parameter |
| 1002 | Missing secret parameter |
| 1003 | Invalid sender parameter |
| 1004 | Invalid destNum parameter |
| 1005 | Invalid message parameter |
| 1007 | Message contains blacklisted keywords |
| 1008 | Request IP not allowed |
| 1009 | Invalid scheduledDate parameter |
| 1010 | scheduledDate must be at least one hour from now |
| 1011 | Invalid messageld parameter |
| 1012 | Invalid apiKey |
| 1013 | Invalid effectiveTime parameter |
| 2001 | No channel bound to the ApiKey |
| 2002 | Sender ID does not exist |
| 2003 | No available channels are active |

| | |
|------|--|
| 2005 | Unable to obtain corresponding channel |
| 2006 | Insufficient customer balance |
| 2007 | Balance issue, please contact your account manager |
| 2008 | Balance issue, please contact your account manager |
| 2009 | Balance issue, please contact your account manager |
| 2010 | Balance issue, please contact your account manager |
| 2011 | Balance issue, please contact your account manager |
| 2012 | Channel requires sender binding |
| 2013 | Insufficient balance to send SMS |
| 2014 | Balance issue, please contact your account manager |
| 2015 | No corresponding channel for destination number |

2. Status Code

SMS Order Status Description

| Status | Description |
|---------------------|--|
| LY_ACCEPTED_SUCCESS | The platform has accepted the SMS request. |
| LY_ACCEPTED_FAIL | The platform has rejected the SMS request. |

| | |
|---------------------|--|
| LY_EXPIRED | The platform timed out before the SMS could be delivered to the recipient device. |
| LY_WAIT | The platform is waiting to send the SMS. |
| LY_TO_BE_CONFIRMED | Pending confirmation. Please contact your account manager for verification. |
| PF_ACCEPTED_SUCCESS | The telecom carrier has accepted the SMS request. |
| PF_ACCEPTED_FAIL | The telecom carrier has rejected the SMS request. |
| PF_UNREACHABLE | The telecom carrier did not respond. Please contact your account manager for verification. |
| PF_DELIVERED | The SMS has been successfully delivered to the recipient. |
| PF_REJECTED | The SMS was rejected by the telecom carrier due to various factors. |
| PF_EXPIRED | The telecom carrier's delivery attempt timed out. |
| PF_WAIT | Waiting for the telecom carrier to send the SMS. |
| PF_SEND_FAIL | The SMS failed to send due to carrier or network-related issues. |
| PF_TO_BE_CONFIRMED | Pending confirmation. Please contact your account manager for verification. |

3. Error Code

SMS Sending Failure Error Codes Description

| Error Code | Description |
|-----------------|---|
| DEST_DEVICE | Message could not be delivered due to a device issue. |
| NUM_ERROR | Invalid or incorrect phone number. |
| DEST_REJECT | The recipient number rejected the SMS. |
| PLATFORM_REJECT | The telecom carrier rejected message delivery. |
| DELETE_PF | The telecom carrier deleted the message before sending. |
| SENDER_ID_ERROR | Invalid or incorrect sender ID. |
| EXPIRED | The telecom carrier timed out before completing delivery. |
| BLACK_KEYWORD | Message contains blacklisted keywords. |
| NETWORK_ERROR | Network or routing issue occurred. |
| OTHER_ERROR | Other unspecified error. |