Etisalat Smart Messaging Platform

REST API- SMS/Email

Contents

Document Overview

This chapter provides an overview of the scope, audience profile, and organization of the manual. The chapter is divided into the following sections:

- *Scope*
- *Audience*
- *Organization*
- *Conventions*
- *Acronyms and Abbreviations*

SCOPE

Campaign creation request by enterprise users is forwarded to SMP via a REST API call. SMP processes the request and starts an SMS or Email campaign.

AUDIENCE

It is intended for designers and implementers of REST API interface using SMP.

ORGANIZATION

The manual is organized into the following chapters:

- *Chapter 1 – Document Overview*: This chapter provides an overview of the scope, audience profile, and acronyms used in the manual.
- *Chapter 2 – SMS Campaign API*: This chapter explains the REST APIs that can be used to request an SMS Campaign creation.
- *Chapter 3 – Email Campaign API*: This chapter explains the REST APIs that can be used to request an Email Campaign creation.

ACRONYMS AND ABBREVIATIONS

The following table lists the acronyms and abbreviations used in this manual.

Acronym	Full Form
HTTP	Hypertext Transport Protocol
IP	Internet Protocol
SMS	Short Message Service
URL	Uniform Resource Locator
OTP	One Time Password

SMS Campaign API Details

Messaging API is used for submitting message delivery jobs to SMP by its clients. SMP supports SMS as message delivery channel. Campaigns can be created for non-bulk and bulk messages. To use these APIs the invoker should be a registered user on SMP.

The job types supported by SMP are as follows:

- nb - Non-bulk jobs are available for sending messages to a single user
- b/1 - Bulk type - 1 APIs can be used to deliver a single message to multiple recipients.
- b/2 - Bulk type - 2 APIs can be used to deliver a multiple message to multiple recipients specified in a file.
- b/3 - Bulk type - 3 APIs can be used to deliver a message to multiple recipients where messages are templates with some placeholders.

The below APIs allow a client application to send a campaign creation request for the supported job types.

API USAGE DETAILS

The following steps guide you how to use the APIs:

1. Use the Authentication API to receive a JWT, which is used for all other API requests to SMP platform.

2. Once the access token received from the below API it needs to be added in the headers for any other request towards SMP platform for authentication. The token will be valid for a configurable amount of time in the platform, and also will validate a maximum allowed request per authentication. Whichever condition completes first the authentication token will be invalid after that. To continue further we again need to generate access token.

3. Formation to use the JWT for further requests , add the following the request header

   Authorization : bearer <accessToken>

4. Response are generated for every request and response generated from SMP platform using these APIs.

AUTHENTICATION API

Request Payload

Method : POST

URL : smartmessaging.etisalat.ae:5676/login/user

Request Payload Format: application/json

Sample Request Buffer :-

```
{
    "username": "ecpDemoUser",
    "password": "ecpDemo"
}
```

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-1**: AUTHENTICATION **API REQUEST PAYLOAD**

Field Name	Description	Type & Length	Example	Mandatory	Comment
username	Login ID of the CP User Constraints: Pattern: [a-z,A-Z,0-9,-,_] Spaces are not allowed	Type : String ▪ Minimum Length: 4 ▪ Maximum Length: 64	testCPUser	Y	User Id for Authentication
Password	Password to authenticate the login Id to login.	Type: Integer ▪ Minimum Length: 6 ▪ Maximum Length: 64	test@123	Y	Password for Authentication

Response Payload : application/json

Sample Response buffer

```
{
"token" =
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJsb2dpbklkIjoiZGVmYXVs
dEFwcERldiIsImlkIjo1LM5NjAyNDE2fQ.J_tLcuTwbCSkKHMkiNGfygidgUhL
11kcmlQo_Px2ovU",
"statusCode" = 200
}
```

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-2:** AUTHENTICATION **API RESPONSE PAYLOAD**

Field Name	Description	Type & Length	Example	Comment	Mandatory
Token	Contains the JWT, which is used for authentication.	Type : String	"token": "eyJhbGciOiJIUzI1NiIsIn R5cCI6IkpXVCJ9.eyJsb2 dpbklkIjoiZGVmYXVsdE FwcERldiIsImlkIjo1LM5 NjAyNDE2fQ.J_tLcuTwb	Mandatory while Using the APIs.	Y

			CSkKHMkiNGfygidgUhL 11kcmlQo_Px2ovU"		
Msg	Describes the request status	Type : String	Example:1 Unauthorized Example:2 Success	Helps to understand the request status.	Y
statusCod e	HTTP status code generated after processing the request for user login.	Type: Integer Min Value: 200 Max Value: 999	Example: 200	Useful to know the status.	Y

SMS Campaign API

This API is used to send an SMS campaign request.

NON-BULK SMS CAMPAIGN

Request Payload

Method: POST

URL: <IP>:<PORT> /campaigns/submissions/sms/nb/

Request Payload Format: application/json

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-**3**: **NON-BULK SMS REQUEST PAYLOAD**

S. No	Parameters	Data Type	Description	Mandatory
1.	msgCategory	Type: String enum: ■ - '4.2' ■ -'4.5' ■ -'4.6'	Contains message category for campaign(default is promo-4.6) ■ -'4.2': Represents OTP messages ■ -'4.5': Represents transactional ■ -'4.6': Represents promotional(default)	NO
2.	contentType	Type: String Enum: ■ -'3.1' ■ -'3.7'	Represents the type of message content(default is Unicode) ■ -'3.1': Text ■ -'3.7': Unicode (Default)	NO
3.	senderAddr	Type: String example: 'IM-DEMOUSER'	Sender address to be used for campaign delivery. If not present then the sender address is taken as the registered number of the user creating the campaign.	NO
4.	dndCategory	Type: String Example: 'Sports'	DND category applicable/selected. By default no category is selected.	Mandatory for "promotional" campaigns

S. No	Parameters	Data Type	Description	Mandatory
5.	priority	Type: integer Enum: - -0 - -1 - -2	Priority of the messages - -0: Normal (Default) - -1: High - -2: Low	NO
6.	clientTxnId	Type: String Example: 1324617846137	Transaction id provided by user. It is an optional parameter. If not present the empty string is used.	NO
7.	recipient	Type: String Example: 919876543210	MSISDN of the recipient.	YES
8.	msg	Type: String Example: Hello world	Message Content	YES
9.	expiryDt	Type: String Example: "2019-02-07T09:07:19.096Z"	Expiry date defaults to system defaults	Mandatory for OTP
10.	dr	Type: Boolean Value 0 or 1	Flag to enable or disable delivery report feature.	NO

Response Payload

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-4**: **NON-BULK SMS RESPONSE PAYLOAD**

S. No	Parameters	Data Type	Description
1.	jobId	Type : String Example: 2111546927702796	Job Id for the Campaign.
2.	jobCost	Type: String Example: 1000.00	Cost incurred for the campaign
3.	recipientCnt	Type: integer	Number of recipients of the messages. (1 in case of Non-bulk)

Response Codes

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-5: RESPONSE CODES

Status Code	Description
200	OK
400	Mandatory Fields Missing
401	Unauthorized
402	Insufficient Balance
403	Forbidden.
500	Internal server error
503	Service Unavailable

Sample Request URL: <IP>:<PORT> /campaigns/submissions/sms/nb/

```
{
  "msgCategory": "4.6",
  "contentType": "3.1",
  "senderAddr": "IM-DEMOUSER",
  "dndCategory": "sports",
  "priority": 1,
  "clientTxnId": "112346587963",
  "recipient": "919978456123",
  "msg": "here is the promotional message"
  "dr": "1"
}
```

Sample Response:

```
{
  "jobId": "2111546927702796",
  "jobCost": "1.00",
  "recipientCnt": 1
}
```
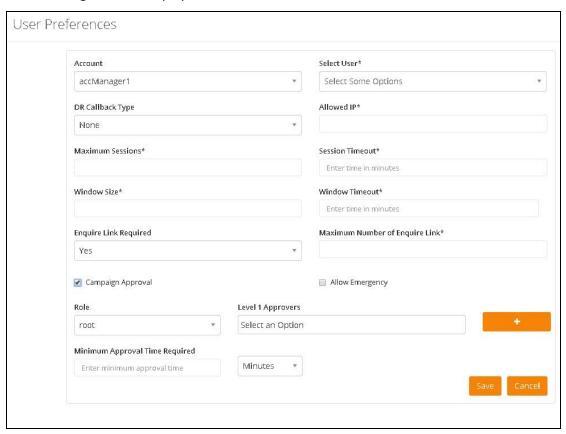
CALLBACKURL API FOR SMS ONLINE CAMPAIGNS

The CallBackURL will be defined by SMP while launching online campaigns from the interface.

To enable the Callback URL:

Login to the SMP Admin URL: *https://<IP>:9091/*

Click **User Preference** on the left navigation pane.

The following screen is displayed.

Select the Account and User for whom the DR URL is to be enabled.

From **DR Callback Type**, select the type of DRs that can be received by the User:

- None: No DRs are sent to the User.

- Only Success: DRs are sent for success messages only.

- Only Failure: DRs are sent for failed messages only.

- Both: DRs are sent for both success and failed messages.

- SMP system receives DRs for the campaigns that are launched by this User to the configured callback URL. It will send DR information to the configured URL.

Click **Save**.

To configure the Callback URL for the enabled DR type:

Login to the SMP User URL: *https://<IP>:9091/*

Click   **> Profile**.

The following screen is displayed.

In **DR URL**, enter the URL to be configured to receive the DR information. SMP system receives delivery reports for the campaigns that are launched by this User to the configured callback URL.

Click **Update**.

Use case: SMP will access CallBackURL toward CP upon campaign completion to notify Delivery Report status.

1. **Method** :POST

2. **CallBackURL :**<IP>:<PORT>/contextPath/→ To be defined by SMP

3. **Request Payload Format** : application/json

4. **Sample Response Payload for SMS channel**

```
{
    DRType: Online
    CampaignName :"soapCampaign"
    TransactionId: 7856008036000
    Channel: "sms"
    Recipient: 919745635241
    DeliveryStatusCode: 0
    DeliveryStatus: "Delivered"
    DeliveryTimestamp: 1469008036000
}
```

Request Payload Parameters

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-**6: CALLBACKURL API FOR ONLINE CAMPAIGNS REQUEST PAYLOAD FOR SMS**

S. No	Parameters	Data Type	Description	Mandatory
1.	DRType	Type : String	States type of DR whether online or massive.	YES
2.	CampaignName	Type: String MinValue: 1 MaxValue: 64 Example : SmsCampaign	Name of the campaign.	YES
1.	TransactionId	Type: Number MinValue: 13digits MaxValue: 18digits Example: 2111542634086485	ID of the campaign launched.	YES
2.	Recipient	Type: Number Recipient length: 11digits Example:51123456781	MSISDNsof SMS campaigns.	YES
3.	DeliveryStatusCode	Type: Number	Delivery status code received by SMSGateway.	YES
4.	DeliveryStatus	Type: String	Delivery status of the campaign as delivered or undelivered.	YES
5.	DeliveryTimestamp	Type: Long	Timestamp when DR is received from SMS Gateway	YES

HTTP Response Codes

Status Code	Description
200	Success

Note: If additional response codes are required, client may define the same.

Delivery Report Status Codes:

Delivery Status Code	Delivery Status	Delivery Status Description
0	SCHEDULED	Message is scheduled for later push.
1	ENROUTED	Message is enroute.
2	DELIVERED	Message was successfully delivered.
3	EXPIRED	SMSC was unable to deliver the message in a specified amount of time. For instance, the phone was turned off.
4	DELETED	Message was deleted.
5	UNDELIVERABLE	SMS message was not delivered. For instance, the number does not exist.
6	ACCEPTED	SMS message was accepted and will be sent.
7	UNKNOWN	Unknown error occurred.
8	REJECTED	Message was rejected. The provider could have blocked phone numbers in this range.
9	SKIPPED	Message was skipped.
10	FAILED	Failed to submit the message to SMSC.
11	DELIVERY_FAILED	Failed to deliver the message.

BULK TYPE 1 - SINGLE MESSAGE TO MULTIPLE RECIPIENTS SMS CAMPAIGN

Request Payload

Method : POST

URL : <IP>:<PORT> /campaigns/submissions/sms/b/1

Request Payload Format: application/json

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-**7: BULK TYPE-1 SMS REQUEST PAYLOAD**

S. No	Parameters	Data Type	Description	Mandatory
1.	msgCategory	Type: String enum: ▪ -'4.5' ▪ -'4.6'	Contains message category for campaign(default is promo-4.6) ▪ -'4.5': represents transactional ▪ -'4.6': represents promotional(default)	NO

S. No	Parameters	Data Type	Description	Mandatory
2.	contentType	Type: String Enum: - -'3.1' - -'3.3' - -'3.7' - -'3.9'	Represents the type of message content(default is Unicode) - -'3.1': Text - -'3.3': Flash - -'3.7': Unicode(Default) - -'3.9': Wap push	NO
3.	senderAddr	Type: String example: 'IM-DEMOUSER'	Sender address to be used for campaign delivery. If not present then the sender address is taken as the registered number of the user creating the campaign.	NO
4.	dndCategory	Type: String Example: 'Sports'	DND category applicable/selected. By default no category is selected.	Mandatory for "promotional" campaigns
5.	priority	Type: integer Enum: - -0 - -1 - -2	Priority of the messages - -0: Normal (Default) - -1: High - -2: Low	NO
6.	clientTxnId	Type: String Example: 1324617846137	Transaction id provided by user. It is an optional parameter. If not present the empty string is used.	NO
7.	recipients	Type: Array Example: ["919876543210"]	MSISDNs of the recipients	NO

8.	msg	Type: object
		Example:
		{
		"en": "Hello !!",
		"es":"Hola!!"
		}
			Message Content	YES

S. No	Parameters	Data Type	Description	Mandatory
9.	schTime	Type: String example: '2019-02-07T09:07:19.096Z '	Start time of the campaign defaults to current time	NO
10.	expiryDt	Type: String example: '2019-02-07T09:07:19.096Z '	Expiry Date defaults to system defaults	NO
11.	campaignName	Type: String 'Test Campaign'	Name for the campaign.	YES
12.	desc	Type: String Example: 'This is the description for the campaign'	Description for the campaign.(Optional – can be an empty String).	NO
13.	distList	Type: array Example: ["my distribution"]	Distribution List names for which the campaign is being created.	NO
14.	contactNames	Type: array Example: ["my contact"]	Contact Names for which the campaign is being created.	NO
15.	contactGroups	Type: array Example: ["my group"]	Contact group Names for which the campaign is being created.	NO
16.	segments	Type: array Example: ["my segment"]	Segments for which the campaign is being created	NO
17.	recipientFileUrl	Type: String Example: "http://172.25.25.34:8008/files/152454521590/valid.txt"	URL for a file containing the list of recipients should be specified here	NO (One of the above mentioned recipients/dist List/contactNames/contactGroups/segments/recipientFileUrl is must)
18.	defLang	Type: String Example: "en"	Default language to be used for message delivery. If the language is not present, then default language is chosen from	NO

S. No	Parameters	Data Type	Description	Mandatory
			"msg" field.	
19.	wapUrl	Type: String "www.mywebsite.com"	WAP URL if the campaign content type is WAP	Mandatory in case of WAP
20.	dr	Type: Boolean Value 0 or 1	Flag to enable or disable delivery report feature.	NO

Response Payload

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-8: BULK TYPE 1 SMS RESPONSE PAYLOAD**

S. No	Parameters	Data Type	Description
1.	jobId	Type : String Example: 2111546927702796	Job Id for the Campaign.
2.	jobCost	Type: String Example: 1000.00	Cost incurred for the campaign
3.	recipientCnt	Type: integer	Number of recipients of the messages.

HTTP Response Codes

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-9: RESPONSE CODES**

Status Code	Description
200	OK
202	Accepted
400	Mandatory Fields Missing
401	Unauthorized
402	Insufficient Balance
403	Forbidden.
500	Internal server error
503	Service Unavailable

Sample Request URL : <IP>:<PORT> /campaigns/submissions/sms/b/1

```json
{
  "msgCategory": "4.6",
  "contentType": "3.1",
  "senderAddr": "IM-DEMOUSER",
  "dndCategory": "sports",
  "priority": 1,
  "clientTxnId": "112346587963",
  "schTime": "2019-02-07T09:07:19.096Z",
  "expiryDt": "2019-02-08T09:07:19.096Z",
  "desc": "This is the description for campaign",
  "campaignName": "test campaign",
  "recipients": [
    "919978456123"
  ],
  "distList": [
    "my distribution"
  ],
  "contactNames": [
    "my contact"
  ],
  "contactGroups": [
    "my group"
  ],
  "segments": [
    "my segment"
  ],
  "recipientFileUrl":
   "http://172.25.25.34:8008/files/1524545221590/valid.txt",
  "msg": {
    "en": "here is the promotional message"
  },
  "defLang": "en",
  "dr": "1"
}

Recipient File format:
<recipient1>
<recipient2>
<recipient3>
```

Sample Response:

```
{
```

```
    "jobId": "2111546927702796",
    "jobCost": "100.00",
    "recepientCnt": 100
}
```

BULK TYPE 2 - MULTIPLE MESSAGE TO MULTIPLE RECIPIENTS (FILE) SMS CAMPAIGN

Request Payload

Method : POST

URL : <IP>:<PORT> /campaigns/submissions/sms/b/2

Request Payload Format: application/json

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-10: BULK TYPE-2 SMS REQUEST PAYLOAD**

S. No	Parameters	Data Type	Description	Mandatory
1.	msgCategory	Type: String enum: ▪ -'4.5' ▪ -'4.6'	Contains message category for campaign (default is promo-4.6) ▪ -'4.5': represents transactional ▪ -'4.6': represents promotional(default)	NO
2.	contentType	Type: String Enum: ▪ -'3.1' ▪ -'3.7'	Represents the type of message content(default is Unicode) ▪ -'3.1': Text ▪ -'3.7': Unicode(Default)	YES (Should be present in the file)
3.	senderAddr	Type: String example: 'IM-DEMOUSER'	Sender address to be used for campaign delivery. If not present then the sender address is taken as the registered number of the user creating the campaign.	NO
4.	dndCategory	Type: String Example: 'Sports'	DND category applicable/selected. By default no category is selected.	Mandatory for "promotional" campaigns

5.	priority	Type: integer Enum: - -0 - -1 - -2	Priority of the messages - -0: Normal (Default) - -1: High - -2: Low	NO
6.	clientTxnId	Type: String Example: 1324617846137	Transaction id provided by user. It is an optional parameter. If not present the empty string is used.	NO
7.	msg	Type: String Example: "Hello world"	Message Content	YES (Should be present in the file)
8.	schTime	Type: String Example: '2019-02-07T09:07:19.096Z '	Start time of the campaign defaults to current time	NO
9.	expiryDt	Type: String Example: '2019-02-07T09:07:19.096Z '	Expiry Date defaults to system defaults	NO
10.	campaignName	Type: String Test Campaign	Name for the campaign.	YES
11.	desc	Type: String Example: 'This is the description for the campaign'	Description for the campaign.(Optional – can be an empty String)	NO
12.	recipientFileUrl	Type: String Example: "http://172.25.25.34:8008/files/15245452215 90/valid.txt"	URL for a file containing the list of recipients should be specified here File format is mentioned in the example below	YES
13.	dr	Type: Boolean Value 0 or 1	Flag to enable or disable delivery report feature.	NO

Response Payload

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-11: BULK TYPE-2 SMS RESPONSE PAYLOAD

S. No	Parameters	Data Type	Description
1.	jobId	Type : String Example: 211154692770 2796	Job Id for the Campaign.
2.	jobCost	Type: String Example: 1000.00	Cost incurred for the campaign
3.	recipientCnt	Type: integer	Number of recipients of the messages.

HTTP Response Codes

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-12: BULK TYPE-2 RESPONSE CODE**

Status Code	Description
200	OK
202	Accepted
400	Mandatory Fields Missing
401	Unauthorized
402	Insufficient Balance
403	Forbidden.
500	Internal server error
503	Service Unavailable

Sample Request URL : <IP>:<PORT> /campaigns/submissions/sms/b/2

```
{
    "msgCategory": "4.6",

    "contentType": "3.1",
    "senderAddr": "IM-DEMOUSER",

    "dndCategory": "sports",

    "priority": 1,

    "clientTxnId": "112346587963",

    "schTime": "2019-02-07T09:48:34.201Z",

    "expiryDt": "2019-02-08T09:48:34.201Z",

    "desc": "This is the description for campaign",
```

```
      "campaignName": "test campaign",

      "recipientFileUrl":
   "http://172.25.25.34:8008/files/1524545221590/valid.txt"

   }


   Recipient File format:

   <recipient>|<content_type>|<message>

   Example:

   919900199001|3.1|message1

   919900199002|3.7|message2
```

Sample Response :

```
 {
   "jobId": "2111546927702796",
   "jobCost": "1300.00",
   "recepientCnt": 1000
 }
```

BULK TYPE 3 - DELIVER A MESSAGE TO MULTIPLE RECIPIENTS (PLACEHOLDER TEMPLATES) SMS CAMPAIGN

Request Payload

Method : POST

URL : <IP>:<PORT> /campaigns/submissions/sms/b/3

Request Payload Format: application/json

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-13: BULK TYPE-3 SMS REQUEST PAYLOAD**

S. No	Parameters	Data Type	Description	Mandatory
1.	msgCategory	Type: String enum: ■ -'4.5' ■ -'4.6'	Contains message category for campaign(default is promo-4.6) ■ -'4.5': represents transactional	NO

S. No	Parameters	Data Type	Description	Mandatory
			▪ -'4.6': represents promotional(default)	
2.	contentType	Type: String Enum: ▪ -'3.1' ▪ -'3.3' ▪ -'3.7' ▪ -'3.9'	Represents the type of message content(default is Unicode) ▪ -'3.1': Text ▪ -'3.3': Flash ▪ -'3.7': Unicode(Default) ▪ -'3.9': Wap push	NO
3.	senderAddr	Type: String example: 'IM-DEMOUSER'	Sender address to be used for campaign delivery. If not present then the sender address is taken as the registered number of the user creating the campaign.	NO
4.	dndCategory	Type: String Example: 'Sports'	DND category applicable/selected. By default no category is selected.	Mandatory for "promotional" campaigns
5.	priority	Type: integer Enum: ▪ -0 ▪ -1 ▪ -2	Priority of the messages ▪ -0: Normal (Default) ▪ -1: High ▪ -2: Low	NO
6.	clientTxnId	Type: String Example: 1324617846137	Transaction id provided by user. It is an optional parameter. If not present the empty string is used.	NO

7.	msg	Type: object
		Example:
		{
		"en": "Hello $1",
		"es":"Hola!! $1"
		}
			Message Content with placeholders. Placeholders must be specified as $1, $2 and so on. These placeholders values must be specified in the recipient file.	YES

8.	schTime	Type: String example: '2019-02-07T09:07:19.096Z'	Start time of the campaign defaults to current time	NO

S. No	Parameters	Data Type	Description	Mandatory
9.	expiryDt	Type: String example: '2019-02-07T09:07:19.096Z'	Expiry Date defaults to system defaults	NO
10.	campaignName	Type: String Test Campaign'	Name for the campaign.	YES
11.	desc	Type: String Example: 'This is the description for the campaign'	Description for the campaign.(Optional – can be an empty String)	NO
12.	recipientFileUrl	Type: String Example: "http://172.25.25.34:8008/files/1524545221590/valid.txt"	URL for a file containing the list of recipients should be specified here. File format is shown in the example below	YES
13.	defLang	Type: String Example: "en"	default language to be used for message delivery. If not present then default language is randomly chosen from "msg" field.	NO
14.	dr	Type: Boolean Value 0 or 1	Flag to enable or disable delivery report feature.	NO

Response Payload

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-14: BULK TYPE 3 RESPONSE PAYLOAD

S. No	Parameters	Data Type	Description
1.	jobId	Type : String Example: 2111546927702796	Job Id for the Campaign.
2.	jobCost	Type: String Example: 1000.00	Cost incurred for the campaign

S. No	Parameters	Data Type	Description
3.	recipientCnt	Type: integer	Number of recipients of the messages.

HTTP Response Codes

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-15: BULK TYPE 3 RESPONSE CODES

Status Code	Description
200	OK
202	Accepted
400	Mandatory Fields Missing
401	Unauthorized
402	Insufficient Balance
403	Forbidden.
500	Internal server error
503	Service Unavailable

Sample Request URL : <IP>:<PORT> /campaigns/submissions/sms/b/3

```
{
  "msgCategory": "4.6",
  "contentType": "3.1",
  "senderAddr": "IM-DEMOUSER",
  "dndCategory": "sports",
  "priority": 1,
  "clientTxnId": "112346587963",
  "schTime": "2019-02-07T09:07:19.096Z",
  "expiryDt": "2019-02-08T09:07:19.096Z",
  "desc": "This is the description for campaign",
  "campaignName": "test campaign",
  "recipientFileUrl":
   "http://172.25.25.34:8008/files/1524545221590/valid.txt",
  "msg": {
    "en": "Hi $1 Your account balance is $2",
    "de": "Hi $1 Ihr Kontostand beträgt $2"
  },
  "defLang": "en",
  "dr": "1"
}
```

```
Recipient File format:

<recipient>|<placeholder_value1>|<placeholder_value2>

Example:

919900199001|John|100.00


919900199002|David|200.00
```

Sample Response:

```
 {
   "jobId": "2111546927702796",
   "jobCost": "100.00",
   "recepientCnt": 100
 }
```

Email Campaign API Details

Messaging API is used for submitting message delivery jobs to SMP by its clients. SMP supports SMS as message delivery channel. Campaigns can be created for non-bulk and bulk messages. To use these APIs the invoker should be a registered user on SMP.

The job types supported by SMP are as follows:

- nb - Non-bulk jobs are available for sending messages to a single user
- b/1 - Bulk type - 1 APIs can be used to deliver a single message to multiple recipient.
- b/2 - Bulk type - 2 APIs can be used to deliver a multiple message to multiple recipient which is specified in a file.
- b/3 - Bulk type - 3 APIs can be used to deliver a message to multiple recipient where messages are templates with some placeholders.

The below APIs allow a client application to send a campaign creation request for the supported job types.

API USAGE DETAILS

The following steps guide you how to use the APIs:

1. Use the Authentication API to receive a JWT, which is used for all other API requests to SMP platform.

2. Once the access token received from the below API it needs to be added in the headers for any other request towards SMP platform for authentication. The token will be valid for a configurable amount of time in the platform , and also will validate a maximum allowed request per authentication . Whichever condition completes first the authentication token will be invalid after that. To continue further we again need to generate access token.

3. Formation to use the JWT for further requests , add the following the request header

   Authorization : bearer <accessToken>

4. Response are generated for every request and response generated from SMP platform using these APIs.

AUTHENTICATION API

Request Payload

Method : POST

URL : smartmessaging.etisalat.ae:5676/login/user

Request Payload Format: application/json

Sample Request Buffer :-

```
{
    "username": "ecpDemoUser",
    "password": "ecpDemo"
}
```

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-16**: AUTHETICATION **API REQUEST PAYLOAD**

Field Name	Description	Type & Length	Example	Mandatory	Comment
username	Login ID of the CP User Constraints: Pattern: [a-z,A-Z,0-9,-,_] Spaces are not allowed	Type : String ▪ Minimum Length: 4 ▪ Maximum Length: 64	testCPUser	Y	User Id for Authentication
Password	Password to authenticate the login Id to login.	Type: Integer ▪ Minimum Length: 6 ▪ Maximum Length: 64	test@123	Y	Password for Authentication

Response Payload : application/json

Sample Response buffer

```
{
"token" =
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJsb2dpbklkIjoiZGVmYXVs
dEFwcERldiIsImlkIjo1LM5NjAyNDE2fQ.J_tLcuTwbCSkKHMkiNGfygidgUhL
11kcmlQo_Px2ovU",
"statusCode" = 200
}
```

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.**-17:** AUTHETICATION **API RESPONSE PAYLOAD**

Field Name	Description	Type & Length	Example	Comment	Mandatory
Token	Contains the JWT, which is used for authentication.	Type : String	"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJsb2dpbklkIjoiZGVmYXVsdEFwcERldiIsImlkIjo1LM5NjAyNDE2fQ.J_tLcuTwbCSkKHMkiNGfygidgUhL	Mandatory while Using the APIs.	Y

			11kcmlQo_Px2ovU"		
Msg	Describes the request status	Type : String	Example:1 Unauthorized Example:2 Success	Helps to understand the request status.	Y
statusCod e	HTTP status code generated after processing the request for user login.	Type: Integer Min Value: 200 Max Value: 999	Example: 200	Useful to know the status.	Y

EMAIL CAMPAIGN API

This API is used to send an SMS campaign request.

BULK TYPE 1 - SINGLE MESSAGE TO MULTIPLE RECIPIENTS EMAIL CAMPAIGN

Request Payload

Method: POST

URL: <IP>:<PORT> /campaigns/submissions/email/b/1

Request Payload Format: application/json

S. No	Parameters	Data Type	Description	Mandatory
1.	msgCategory	Type: String enum: ▪ -'4.5' ▪ -'4.6'	Contains message category for campaign(default is promo-4.6) ▪ -'4.5': represents transactional ▪ -'4.6': represents promotional(default)	NO
2.	subject	▪ Type: String ▪ Example: ▪ "This is email subject"	▪ Subject of the email	NO

S. No	Parameters	Data Type	Description	Mandatory
3.	senderAddr	Type: String example: 'IM-DEMOUSER'	Sender address to be used for campaign delivery. If not present then the sender address is taken as the registered number of the user creating the campaign.	NO
4.	dndCategory	Type: String Example: 'Sports'	DND category applicable/selected. By default no category is selected.	Mandatory for "promotional" campaigns
5.	priority	Type: integer Enum: ▪ -0 ▪ -1 ▪ -2	Priority of the messages ▪ -0: Normal (Default) ▪ -1: High ▪ -2: Low	NO
6.	clientTxnId	Type: String Example: 1324617846137	Transaction id provided by user. It is an optional parameter. If not present the empty string is used.	NO
7.	recipients	Type: Array Example: ["919876543210|test@test.com"]	MSISDNs of the recipients(mandatory only if smsFallbackType is always) Along with email address	NO
8.	fallbackMsg	Type: String example: 'Hello world '	Sms body that will be sent in case of fallback	NO
9.	schTime	Type: String example: '2019-02-07T09:07:19.096Z '	Start time of the campaign defaults to current time	NO
10.	expiryDt	Type: String example: '2019-02-07T09:07:19.096Z '	Expiry Date defaults to system defaults	NO
11.	campaignName	Type: String 'Test Campaign'	Name for the campaign.	YES

S. No	Parameters	Data Type	Description	Mandatory
12.	desc	Type: String Example: 'This is the description for the campaign'	Description for the campaign.(Optional – can be an empty String).	NO
13.	contactGroups	Type: array Example: ["my group"]	Contact group Names for which the campaign is being created.	NO
14.	senderDisplayName	Type: String Example: 'Test User'	Name of the sender that is to be displayed.	NO
15.	recipientFileUrl	Type: String Example: "http://172.25.25.34:8008/files/1524545221590/valid.txt"	URL for a file containing the list of recipients should be specified here	NO (One of the above mentioned recipients/ contactGroups /recipientFileUrl is must)
16.	smsFallbackType	Type: string *example: 1* enum: 1- Always 2 - On Failure 3 - None or don't send	Fallback type decides if an sms is to be send always, on failure or never	NO
17.	emailFrom	Type: String Example : 'testUser@gmail.com'	Email address of the sender.	NO
18.	emailBody	Type: String Example : 'This is a simple email body'	Body of the email being sent. It can be simple text, inline html or url to a valid html file	NO
19.	attachments	Type: array Example : [{"url": "http://172.25.25.34:8008/files/1524545221590/valid.txt"}]	Attachments for the email	NO

Response Payload

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-**18: BULK TYPE 1 RESPONSE PAYLOAD**

S. No	Parameters	Data Type	Description
1.	jobId	Type : String Example: 2111546927702796	Job Id for the Campaign.
2.	jobCost	Type: String Example: 1000.00	Cost incurred for the campaign
3.	recipientCnt	Type: integer	Number of recipients of the messages.

Response Codes

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-**19: BULK TYPE 1 RESPONSE CODES**

Status Code	Description
200	OK
202	Accepted
400	Mandatory Fields Missing
401	Unauthorized
402	Insufficient Balance
403	Forbidden.
500	Internal server error
503	Service Unavailable

Sample Request URL : <IP>:<PORT> /campaigns/submissions/email/b/1

```
{
        "msgCategory": "4.6",
        "subject": "This is email subject",
        "senderDisplayName": "Test User",
        "emailFrom": "TestUser@gmail.com",
        "fallbackMsg": "Hello World",
        "smsFallbackType": "1",
        "schTime": "2019-02-28T10:43:35.188Z",
```

```
        "expiryDt": "2019-02-28T10:43:35.188Z",

        "desc": "This is the description for campaign",

        "campaignName": "test campaign",

        "senderAddr": "IM-DEMOUSER",

        "dndCategory": "sports",

        "priority": 1,

        "clientTxnId": 112346587963,

        "emailBody": "This is simple email body",

        "recipients": [

          "919978456123|test@test.com"

        ],

        "contactGroups": [

          "4"

        ],

        "recipientFileUrl":
"http://172.25.25.34:8008/files/1524545221590/valid.txt",

        "attachments": [

          {

              "url":http://172.25.25.34:8008/files/1524545221590/
          valid.txt"

          }

        ]

    }
```

Sample Response:

```
    {
      "jobId": "2111546927702796",
      "jobCost": "100.00",
      "recepientCnt": 100
    }
```

BULK TYPE 3 - DELIVER A MESSAGE TO MULTIPLE RECIPIENTS (PLACEHOLDER TEMPLATES) EMAIL CAMPAIGN

Request Payload

Method: POST

URL: <IP>:<PORT> /campaigns/submissions/email/b/3

Request Payload Format: application/json

S. No	Parameters	Data Type	Description	Mandatory
1.	msgCategory	Type: String enum: - -'4.5' - -'4.6'	Contains message category for campaign(default is promo-4.6) - -'4.5': represents transactional - -'4.6': represents promotional(default)	NO
2.	subject	- Type: String - Example: - "This is email subject"	- Subject of the email	NO
3.	senderAddr	Type: String example: 'IM-DEMOUSER'	Sender address to be used for campaign delivery. If not present then the sender address is taken as the registered number of the user creating the campaign.	NO
4.	dndCategory	Type: String Example: 'Sports'	DND category applicable/selected. By default no category is selected.	Mandatory for "promotional" campaigns
5.	priority	Type: integer Enum: - -0 - -1 - -2	Priority of the messages - -0: Normal (Default) - -1: High - -2: Low	NO
6.	clientTxnId	Type: String Example: 1324617846137	Transaction id provided by user. It is an optional parameter. If not present the empty string is used.	NO

S. No	Parameters	Data Type	Description	Mandatory
7.	fallbackMsg	Type: String example: 'Hello world '	Sms body that will be sent in case of fallback	NO
8.	schTime	Type: String example: '2019-02-07T09:07:19.096Z '	Start time of the campaign defaults to current time	NO
9.	expiryDt	Type: String example: '2019-02-07T09:07:19.096Z '	Expiry Date defaults to system defaults	NO
10.	campaignName	Type: String 'Test Campaign'	Name for the campaign.	YES
11.	desc	Type: String Example: 'This is the description for the campaign'	Description for the campaign.(Optional – can be an empty String).	NO
12.	senderDisplayName	Type: String Example: 'Test User'	Name of the sender that is to be displayed.	NO
13.	dataFileUrl	Type: String Example: "http://172.25.25.34:8008/files/1524545221590/valid.txt"	Url for a file containing the list of recipients along with the template placeholders	YES
14.	smsFallbackType	Type: string *example: 1* enum: 1-Always 2 - On Failure 3 - None or don't send	Fallback type decides if an sms is to be send always, on failure or never	NO
15.	emailFrom	Type: String Example : 'testUser@gmail.com '	Email address of the sender.	NO

S. No	Parameters	Data Type	Description	Mandatory
16.	emailBody	Type: String Example : 'This is a simple email body'	Body of the email being sent. It can be simple text, inline html or url to a valid html file	NO
17.	templateNam e	Type: String Example : 'Sample1	Name of the email template to be used for the email	YES
18.	attachments	Type: array Example : [{"url": "http://172.25.25.34: 8008/files/15245452 21590/valid.txt"}]	Attachments for the email	NO

Response Payload

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-20: BULK TYPE 3 RESPONSE PAYLOAD

S. No	Parameters	Data Type	Description
1.	jobId	Type : String Example: 211154692770 2796	Job Id for the Campaign.
2.	jobCost	Type: String Example: 1000.00	Cost incurred for the campaign
3.	recipientCnt	Type: integer	Number of recipients of the messages.

Response Codes

TABLE ERROR! NO TEXT OF SPECIFIED STYLE IN DOCUMENT.-21: BULK TYPE 3 RESPONSE CODES

Status Code	Description
200	OK
202	Accepted
400	Mandatory Fields Missing
401	Unauthorized
402	Insufficient Balance
403	Forbidden.

Status Code	Description
500	Internal server error
503	Service Unavailable

Sample Request URL : <IP>:<PORT> /campaigns/submissions/email/b/3

```
{
        "msgCategory": "4.6",
        "subject": "This is email subject",
        "senderDisplayName": "Test User",
        "emailFrom": "TestUser@gmail.com",
        "fallbackMsg": "Hello World",
        "smsFallbackType": "1",
        "schTime": "2019-02-28T11:03:45.255Z",
        "expiryDt": "2019-02-28T11:03:45.255Z",
        "desc": "This is the description for campaign",
        "campaignName": "test campaign",
        "senderAddr": "IM-DEMOUSER",
        "dndCategory": "sports",
        "priority": 1,
        "clientTxnId": 112346587963,
        "emailBody": "This is simple email body",
        "attachments": [{"url":
"http://172.25.25.34:8008/files/1524545221590/valid.txt"}],

        "templateName": "Sample1"

        "dataFileUrl":
"http://172.25.25.34:8008/files/1524545221590/valid.txt"

    }
```

```
    Recipient File format:

    <recipient>|<recipientemail>|<placeholder_value1>|<placeholder
    _value2>

    Example:

    919900199001|john@sample.com|John|100.00
```

```
919900199002|david@sample.com|David|200.00
```

Sample Response:

```json
{
  "jobId": "2111546927702796",
  "jobCost": "100.00",
  "recepientCnt": 100
}
```