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Etisalat Smart Messaging Platform XML OVER HTTP

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Section 1 – 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
- Feedback

Scope

This document provides a guide for launching campaign using XML over HTTP interface in SMP platform. The parameters mentioned in this are used to submit query requests.

Audience

It is intended for SMP customers and implementation engineers.

Organization



The manual is organized into the following chapters:

- **Chapter 1– Document Overview**: This chapter provides an overview of the scope, audience profile, conventions, and acronyms used in the manual.
- **Chapter 2 –API Details**: This chapter explains the different APIs supported by authorization server for SMP.

Conventions

The following table lists the conventions used in this manual

Information	Convention
UI elements (such as names of windows, buttons, and fields)	Bold
for References (such as names of files, sections, paths, and parameters)	Italic
Hyperlinks	<u>Hyperlink</u>
Menu path	Menu > Sub menu

Information	Convention
Input (such as commands and entered text)	Text
Output (such as command output and sample files)	Output Text
Keystrokes	<Key Name>
Examples	Example Text
Notes	 This is important information
Warnings	 Warning
Prerequisites	Prerequisites <input checked="" type="checkbox"/> Prerequisite 1 <input checked="" type="checkbox"/> Prerequisite 2

Acronyms and Abbreviations

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

Acronym	Full Form
CP	Content Provider/ Enterprise
DR	Delivery Report
HTTP	Hypertext Transport Protocol
IP	Internet Protocol
URL	Uniform Resource Locator
XML	Extensible Markup Language



Section 2- API Details

SMP supports launching SMS Campaign from different interfaces. A User along with all the prerequisites [refer to table 2.6] taken care, can opt in for xml interface under SMS channels. SMS Campaign can be submitted as XML over HTTP Interface. Campaigns launched over this interface are bulk job type 1 & non bulk job type 0 campaigns. These campaigns support Distribution list, Segmentation list & Contact Groups. Recipients can be provided as comma separated values. Pricing for these campaigns would be based on MSISDN type and message fragments.

XML over HTTP

The following table lists the details of all the APIs currently supported.

Interface Name / Description	URL	Request Payload	Success response	Failure Response
XML over HTTP. Campaigns can be launched in SMP platform over this interface using XML buffer.	http://ip:port/msReceiver/submitSMS	<pre><SMSRequest> <Campaign> <CampaignName>test campaign</CampaignName> <Desc></Desc> <JobType>1</JobType> <InterfaceType>5.3</InterfaceType> <ProtocollId>0x40</ProtocollId> </Campaign> <Sender> <Username>user1</Username> <Password>Password</Password> <senderAddr>919739566644</senderAddr> </Sender> <Recipient> <Number>919739566687,919901251515</Number> <DistributionListID></DistributionListID> <SegmentList></SegmentList></pre>	<pre><?xml version="1.0" encoding="UTF-8" standalone="no"?> <SmsResponse> <Response> <ResponseCode>1000</ResponseCode> <ResponseText>Success.Campaign launched with SubmissionId:979278708316</ResponseText> </Response> </SmsResponse></pre>	<pre><?xml version="1.0" encoding="UTF-8" standalone="no"?> <SmsResponse> <Response> <ResponseCode>400</ResponseCode> <ResponseText>Bad Request. Please enter recipients.</ResponseText> </Response> </SmsResponse></pre>

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		<pre> <BitSetUrl></BitSetUrl> <contactGroupId></contactGroupId> </Recipient> <MsgDetails> <MsgCategory>otp</MsgCategory> <Channel>2.1</Channel> <Msg>test</Msg> <DefLang>en</DefLang> <MsgContentType>3.1</MsgContent Type> <ScheduledTime></ScheduledTime> <DNDCategory>Sports</DNDCategor y> <ValidityPeriodDateTime></ValidityP eriodDateTime> </MsgDetails> <DeliveryReport> <ReportEnabled>>true</ReportEnable d> </DeliveryReport> </SMSRequest> </pre>		
--	--	--	--	--

Table 2-2 URL Description

S. No	Parameter	Description	Data type	Max length	Presence
1.	http://ip:port/mmsReceiver	Uniform Resource Identifier (URI)	string	Should not cross 2000 chars as full URL	Mandatory
2.	submitSMS	API name (fixed)	string	Should not cross 2000 chars as full URL	Mandatory

Table 2-3 Parameter Description Table (Request)

S. No	Parameter	Description	Data type	Max length	Presence
1.	CampaignName	Name of the campaign launched from XML interface	string	64chars	Mandatory



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S. No	Parameter	Description	Data type	Max length	Presence
2.	Desc	Description of the campaign Default value: blank	string	150chars	Optional
3.	JobType	Indicates type of the campaign launched 0: Non bulk 1: Bulk	number	5chars	Mandatory
4.	InterfaceType	Type of interface from which MT message is pushed: Default value: 5.3 (for XML)	string	32chars	Optional
5.	Username	Username of the content partner	string	32chars	Mandatory
6.	Password	Password for the content partner	string	min 8chars max 15chars	Mandatory
7.	senderAddr	Sender address of the campaign	string	min 4chars max 9 chars	Mandatory
8.	Number	Recipient's number	number	6800 comma separated recipients (each having 12 digits)	At least one among Number, DistributionListID, SegmentList, BitSetUrl, contactGroupID is mandatory
9.	DistributionListID	Name of distribution list	string	20chars	At least one among Number, DistributionListID, SegmentList, BitSetUrl, contactGroupID is mandatory
10.	SegmentList	Name of the segmentation list	string	20chars	At least one among Number, DistributionListID, SegmentList, BitSetUrl, contactGroupID is mandatory
11.	BitSetUrl	URL of the file with recipient's list I.e. The URL for the file with recipient list and having public access can be given. Default value: blank	string	2000 chars	Optional At least one among Number, DistributionListID, SegmentList, BitSetUrl, contactGroupID is mandatory
12.	contactGroupID	Name of the contact group	string	20chars	At least one among Number, DistributionListID,



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S. No	Parameter	Description	Data type	Max length	Presence
					SegmentList, BitSetUrl, contactGroupId is mandatory
13.	MsgCategory	<p>Campaign category- indicates the purpose/priority</p> <p>Possible value:</p> <p>4.6 or promo => Promo</p> <p>4.2 or otp => OTP</p> <p>4.5 or txn => Transaction</p>	string	20chars	Mandatory
14.	Channel	<p>Indicates what channel to be used to push a message. Only SMS is supported for XML over HTTP. Hence, its value is</p> <p>2.1 for SMS</p> <p>Default value: 2.1</p>	string	32chars	Optional
15.	Msg	Message to be sent during campaign launch.	string	Max value will be as per the max fragment support.(670 Unicode, 1530 text characters – calculated for 10 fragments)	Mandatory
16.	DefLang	<p>Default language.</p> <p>If content type is 3.1(text), lang = 'en'</p> <p>If content type is 3.7(Unicode),lang = anything</p>	string	32chars	Mandatory
17.	MsgContentType	<p>Indicates type of content in the campaign message</p> <p>3.1-text</p> <p>3.7-unicode</p>	string	32chars	Mandatory
18.	ScheduledTime	<p>Date and time when the campaign is scheduled.</p> <p>Default = Immediate</p>	string	32chars	Optional



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S. No	Parameter	Description	Data type	Max length	Presence
		Format = YYYY-MM-DD HH:MM:SS			
19.	DNDCategory	DND categories for the campaign (comma separated)	string	max - all dnd categories available in system (each DND categories can be of maximum 20chars)	Mandatory
20.	ValidityPeriod DateTime	Validity date and time of the message. By default validity period is 15days Format = YYYY-MM-DD HH:MM:SS	string	32chars	Optional
21.	ReportEnabled	To enable/disable DR. True: DR enabled False: DR disabled	Boolean	5chars	Mandatory

Table 2-4 Parameter Description Table (Response)

S. No	Parameter	Description	Data type	Max length	Presence
1.	ResponseCode	Code received in the response (refer table 2-3 for response code)	number	5 digits	Mandatory
2.	ResponseText	Response text corresponding to the response code	string	200 chars	Mandatory



Response Codes

Table 2-5 Response Code

S.No	Status Code	Description
1	200	Success (HTTP code)
2	400	Bad Request (HTTP code)
3	500	For any internal server error (HTTP code)
4	1527	Bad Request: Invalid Message Content Type.
5	1527	Bad Request: Invalid Message Content Type. Please enter text (3.1) or Unicode (3.7) content type.
6	1524	Bad Request: Invalid Campaign Name.
7	1524	Bad Request: Invalid Message Category. Please enter promo, otp or txn category
8	1524	Bad Request: Invalid Channel. Please enter SMS channel 2.1
9	1524	Bad Request: Default language not entered.
10	1524	Bad Request: Invalid Default language and Content Type entered. Please enter text (3.1) with default language (en).
11	1570	Bad Request: Invalid Sender Address.
12	1571	Bad Request: Invalid Protocol Id.
13	1571	Bad Request: Invalid Contact Group. Not present in SMP System.
14	1571	Bad Request: Invalid Distribution List Id. Not present in SMP System.
15	1571	Bad Request: Distribution List Inactive.

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S.No	Status Code	Description
16	1571	Bad Request: Please enter recipients.
17	1572	Bad Request: Invalid User Name.
19	3003	Bad Request: Invalid Password.
20	500	Invalid Number – The recipient number is not valid
21	403	Bad Request: This service is not available to you. An active package must be associated with the user to use this service
22	1000	Success: Campaign launched successfully and campaign ID is <campaign_ID>

Prerequisites

Table 2-6 Pre-requisites

S. No	Prerequisite	Description
1.	Account creation	Account should be present with credit or balance
2.	User creation	User should be present with credit or balance
3	Active Package assigned to the User	The Account should buy a package from the list of packages available The package has to be assigned to the User
4	Sender address	A valid sender address should be assigned to the User
5	DnD category	Predefined DnD categories can be used (e.g. sports, music) or new DnD category can be created



Sample Request Buffer

Non Bulk Campaign (Job Type = 0) with Recipient Number

```
<SMSRequest>
  <Campaign>
    <CampaignName>Sample Campaign with XML</CampaignName>
    <Desc>This is the description for campaign</Desc>
    <JobType>0</JobType>
    <InterfaceType>5.3</InterfaceType>
    <protocolId></protocolId>
  </Campaign>
  <Sender>
    <Username>demoUser</Username>
    <Password>demoUser</Password>
    <senderAddr>2000000004</senderAddr>
  </Sender>
  <Recipient>
    <Number>919880014099</Number>
    <DistributionListID></DistributionListID>
    <SegmentList></SegmentList>
    <BitSetUrl></BitSetUrl>
    <contactGroupId></contactGroupId>
  </Recipient>
  <MsgDetails>
    <Msg>welcome</Msg>
    <MsgCategory>4.6</MsgCategory>
    <Channel>2.1</Channel>
    <MsgContentType>3.1</MsgContentType>
    <DNDCategory>Sports</DNDCategory>
    <ScheduledTime></ScheduledTime>
    <ValidityPeriodDateTime></ValidityPeriodDateTime>
    <DefLang>en</DefLang>
  </MsgDetails>
  <DeliveryReport>
    <ReportEnabled>true</ReportEnabled>
  </DeliveryReport>
</SMSRequest>
```



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Bulk Campaign (JobType = 1) with Distribution List

```
<SMSRequest>
  <Campaign>
    <CampaignName>Sample Campaign with XML</CampaignName>
    <Desc>This is the description for campaign</Desc>
    <JobType>1</JobType>
    <InterfaceType>5.3</InterfaceType>
    <protocolId></protocolId>
  </Campaign>
  <Sender>
    <Username>demoUser</Username>
    <Password>demoUser</Password>
    <senderAddr>2000000004</senderAddr>
  </Sender>
  <Recipient>
    <Number></Number>
    <DistributionListID>DistributionListName</DistributionListID>
    <SegmentList></SegmentList>
    <BitSetUrl></BitSetUrl>
    <contactGroupId></contactGroupId>
  </Recipient>
  <MsgDetails>
    <Msg>welcome</Msg>
    <MsgCategory>4.6</MsgCategory>
    <Channel>2.1</Channel>
    <MsgContentType>3.1</MsgContentType>
    <DNDCategory>Sports</DNDCategory>
    <ScheduledTime></ScheduledTime>
    <ValidityPeriodDateTime></ValidityPeriodDateTime>
    <DefLang>en</DefLang>
  </MsgDetails>
  <DeliveryReport>
    <ReportEnabled>true</ReportEnabled>
  </DeliveryReport>
</SMSRequest>
```

Bulk Campaign (JobType = 1) with Contact Group

```
<SMSRequest>
  <Campaign>
    <CampaignName>Sample Campaign with XML</CampaignName>
```



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```
<Desc>This is the description for campaign</Desc>
<JobType>1</JobType>
<InterfaceType>5.3</InterfaceType>
<protocolId></protocolId>
</Campaign>
<Sender>
  <Username>demoUser</Username>
  <Password>demoUser</Password>
  <senderAddr>2000000004</senderAddr>
</Sender>
<Recipient>
  <Number></Number>
  <DistributionListID></DistributionListID>
  <SegmentList></SegmentList>
  <BitSetUrl></BitSetUrl>
  <contactGroupId>ContactGroupName</contactGroupId>
</Recipient>
<MsgDetails>
  <Msg>welcome</Msg>
  <MsgCategory>4.6</MsgCategory>
  <Channel>2.1</Channel>
  <MsgContentType>3.1</MsgContentType>
  <DNDCategory>Sports</DNDCategory>
  <ScheduledTime></ScheduledTime>
  <ValidityPeriodDateTime></ValidityPeriodDateTime>
  <DefLang>en</DefLang>
</MsgDetails>
<DeliveryReport>
  <ReportEnabled>true</ReportEnabled>
</DeliveryReport>
</SMSRequest>
```

