telSpiel

API Documentation
SMS Service

USER GUIDE

TELSPIEL COMMUNICATIONS PVT LTD

COMPENDIUM

Preamble

This document underlines the specifications of the HTTP/HTTPS based API provided by telSpiel for the automated sending of SMS via Internet within telSpiel infrastructure. The document is intended for developers planning on integrating their systems with telSpiel' s SMS service. It also provides the information about sending the Unicode and Flash messages.

Customer Support Team

As an organisation we do follow strict timelines and adhere highest level of SLAs to fulfil our commitment. Our customer support team professional are highly qualified industry veterans are handholding with you 24X7X365 from proof of concept till post-sales support. Our team is reachable at following touchpoints.

Touchpoint	Technical Support	Campaigns	Account Configuration
Email	care@telspiel.com	campaigns@telspiel.com	configuration@telspiel.com
Phone	(+91) 9999998898 (Ext 1)	(+91) 9999998898 (Ext 2)	(+91) 9999998898 (Ext 3)
Availability	24 / 7	09:00 Hrs – 21:00 Hrs	09:00 Hrs – 21:00 Hrs

Assumptions

The guide assumes that you are familiar with and have sufficient experience in applying the following technologies and concepts of HTTP and XML.

- HTTP/HTTPS communications using the GET and POST methods for parameter passing through API.
- A programming language such as Java, C/C++, Visual Basic or PHP to integrate the HTTP URL with the Application.
- Application designed in any of the above Language should be capable of capturing the Message ID (MID).

Successful Transmission of SMS

For each successful submission, the API would return a unique message ID (MID) for that transaction. The Client's Application should capture the MID and Delivery Report (DLR) can be fetched against that MID. This message ID then can be used to track the status of the message and receive the DLR against this MID through DLR URL.

HTTPS URL Format

The below HTTPS API can be used by Client to send the messages to telSpiel's Server. A sample of the URL could be in the below format.

Base URL

All URLs referenced in the API documentation have the following base:

```
https://api.telsp.in
```

Sample format single request

```
https://api.telsp.in/pushapi/sendmsg?username=xxxxxx&dest=xxxxxx&apikey=xxxxx&signature=SENDERID&msgtype=TypeofMessage&msgtxt=template&entityid=entityIdvalue&templateid=templateIDvalue&custref=uniquereferenceid
```

Sample format multiple request

```
https://api.telsp.in/pushapi/sendbulkmsg?username=xxxxxx&dest=xxxxxxx,xxxxxxx&apikey=xxxxx&signature=SENDERID&msgtype=TypeofMessage&msgtxt=template&entityid=entityIdvalue&templateid=templateIDvalue&custref=uniquereferenceid
```

HTTP API Parameters Specification

Whenever the Client Application hits the HTTP URL, it should include the following parameters as per the requirement. The following parameters should be used in the same order as given below to call HTTP API.

Parameter Name	Value	Description
Username	string	Account id; will be provided by SMS Platform
Dest	string	The target mobile number on which the SMS is being sent
APIkey	string	User specific key for every request
Signature	string	Sender ID, While sending sms via Gateway & id should be 6 alpha characters / numbers.
msgType	string	Type of message (PM for plain text or UC for Unicode message/multilingual message)
msgText	string	Text to be send
entityid	Numeric	Entity ID Value
templateid	Numeric	Template ID Value
Custref	Numeric	Reference unique ID (optional)

Sample Success Response

While sending normal text SMS Client needs to ensure that any optional parameters are not used (except for DLR-URL to receive delivery acknowledgment on to predefined URL).

Success API Response Sample Format

[{"code":"6001","desc":"Messagereceivedbyplatform.","reqId":"4813450031619 945525810870","time":"2021-05-0214:22:05.81","partMessageIds": ["4813450031619945525810870"],"totalMessageParts":1}]

Sample Error Response

API Response Sample Format

[{"code":"110","desc":"INVALID_DESTINATION_NUMBER","totalMessageParts": 0}]

Error Code Description

The below error can be displayed while hitting the HTTP API if there is any wrong parameter entered or issue with the account.

Error Code	Description
114	Invalid API key
105	Invalid Sender ID
110	Invalid destination
6001	Success

Send Plain Message

HTTP API has end to end support for plain message.

Sample Format

https://api.telsp.in/pushapi/sendmsg?username=xxxxxx&dest=xxxxxxx&apikey=xxxxx&signature=SENDERID&msgtype=PM&msgtxt=template&entityid=entityIdvalue& templateid=templateIDvalue&custref=uniquereferenceid

Send Unicode/Multiligual Message

HTTP API has end to end support for Unicode characters.

Sample Format

```
https://api.telsp.in/pushapi/sendmsg?username=xxxxxx&dest=xxxxxxx&apikey=xxxxx&signature=SENDERID&msgtype=UC&msgtxt=template&entityid=entityIdval ue&templateid=templateIDvalue&custref=uniquereferenceid
```

Send Bulk Message

HTTP API has end to end support for bulk SMS/messages.

Sample Format

```
https://api.telsp.in/pushapi/sendbulkmsg?username=xxxxxx&dest=xxxxxx,xxxxxxx&apikey=xxxxx&signature=SENDERID&msgtype=TypeofMessage&msgtxt=template&entityid=entityIdvalue&templateid=templateIDvalue&custref=uniquereferenceid
```

XML URL format

Sample URL

```
http://api.telsp.in/pushapi/sendxmlmsg?
```

Sample Request Format

```xml
<xmlPushRequest username="XXXXXX" pin="XXXXXXXXXXXXXXXXX">
<campaignName>test-campaign</campaignName>
<entityId>XXXXXXXXXXXXXXXXXX</entityId>
<data>
<from>SENDERID</from>
<recipientList>
<recipient>
<destAddress>97110XXXXX</destAddress>
</recipient>
</recipientList>
<message>
<messageType>PM</messageType>
<messageTxt>DLT APPROVED TEMPLATE</messageTxt>
<templateId>XXXXXXXXXXXXXXXXXX</templateId>
</message>
</data>
</xmlPushRequest>
```

Sample Response Format

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```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<xmlPushResponse>
<recipientList>
<recipient>
<code>6001</code>
<desc>Message received by platform.</desc>
<timestamp>2021-05-01 22:49:04.503</timestamp>
<destAddress>9711XXXXX</destAddress>
<requestId>481345003161988954502224</requestId>
<totalMessageParts>1</totalMessageParts>
<partMessageIdList>
<partMessageId>481345003161988954502224</partMessageId>
</partMessageIdList>
</recipient>
</recipientList>
</xmlPushResponse>
```

XML API Parameter Definition

Parameter Name	Type	Need	Use	Description
username	String	Required	All	Account id; will be provided by SMS Platform
destAddress	Numeric	Required	All	The target mobile number on which the SMS is being sent
pin	String	Required	All	User specific api key for every request
signature	String	Required	All	Sender ID
messageType	String	Required	All	Type of message (PM for plain text or UC for Unicode message/multilingual message)
messageTxt	String	Required	All	Text to be sent

custref	String	Optional	All	Customer reference key specific to campaign
entityId	Numeric	Required	All	DLT register Entity ID for the Header
templateId	Numeric	Required	All	DLT register Template ID for the Message Template
Campaignname	String	Optional	ShortURL	Campaign name for the campaign, if not provided. Then it will be auto generated by system for the day and can be used for tracking.

Types of XML request

1. One to One
2. One to Many

One to One

The following API format to be used when one SMS to be sent to one mobile number.

Example of API format for English language

```
https://api.telsp.in/pushapi/sendxmlmsg?

<xmlPushRequest username="XXXXXX" pin="XXXXXXXXXXXXXXXXX">
<campaignName>test-campaign</campaignName>
<entityId>XXXXXXXXXXXXXXXXXX</entityId>
<data>
<from>SENDERID</from>
<recipientList>
<recipient>
<destAddress>97110XXXXX</destAddress>
</recipient>
</recipientList>
<message>
<messageType>PM</messageType>
<messageTxt>DLT APPROVED TEMPLATE</messageTxt>
<templateId>XXXXXXXXXXXXXXXXXX</templateId>
```

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```
</message>
</data>
</xmlPushRequest>
```

Example of API format for Unicode

```
https://api.telsp.in/pushapi/sendxmlmsg?

<xmlPushRequest username="XXXXXX" pin="XXXXXXXXXXXXXXXXX">
<campaignName>test-campaign</campaignName>
<entityId>XXXXXXXXXXXXXXXXXX</entityId>
<data>
<from>SENDERID</from>
<recipientList>
<recipient>
<destAddress>97110XXXXX</destAddress>
</recipient>
</recipientList>
<message>
<messageType>UC</messageType>
<messageTxt>DLT APPROVED TEMPLATE</messageTxt>
<templateId>XXXXXXXXXXXXXXXXXX</templateId>
</message>
</data>
</xmlPushRequest>
```

One to Many
The following API format to be used when one SMS to be sent to multiple mobile numbers.

Example of API format for English language

```
https://api.telsp.in/pushapi/sendxmlmsg?

<xmlPushRequest username="XXXXXX" pin="XXXXXXXXXXXXXXXXX">
<campaignName>test-campaign</campaignName>
<entityId>XXXXXXXXXXXXXXXXXX</entityId>
<data>
<from>SENDERID</from>
<recipientList>
<recipient>
<destAddress>97110XXXXX</destAddress>
<custref>a</custref>
</recipient>
<recipient>
<destAddress>98101XXXXX</destAddress>
<custref>a</custref>
</recipient>
</recipientList>
```

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```
<message>
<messageType>PM</messageType>
<messageTxt>DLT APPROVED TEMPLATE</messageTxt>
<templateId>XXXXXXXXXXXXXXXXXX</templateId>
</message>
</data>
</xmlPushRequest>
```

Example of API format for Unicode

```
https://api.telsp.in/pushapi/sendxmlmsg?

<xmlPushRequest username="XXXXXX" pin="XXXXXXXXXXXXXXXXX">
<campaignName>test-campaign</campaignName>
<entityId>XXXXXXXXXXXXXXXXXX</entityId>
<data>
<from>SENDERID</from>
<recipientList>
<recipient>
<destAddress>97110XXXXX</destAddress>
<custref>a</custref>
</recipient>
<recipient>
<destAddress>98101XXXXX</destAddress>
<custref>a</custref>
</recipient>
</recipientList>
<message>
<messageType>UC</messageType>
<messageTxt>DLT APPROVED TEMPLATE</messageTxt>
<templateId>XXXXXXXXXXXXXXXXXX</templateId>
</message>
</data>
</xmlPushRequest>
```

Request Status Check API

Sample Format

```
https://api.telsp.in/pulldlr/pullsmppdlr?username=xxxxxxx&apikey=xxxxx&msgid=xxxxxx&for mat=json&signature=xxxxxx
```

Parameters	Description
username	Account id provided by service provider

apikey	API Key
msgid	Unique message ID for every SMS
signature	Sender ID used to send SMSs

Balance Check API

Sample Format

https://api.telsp.in/pushapi/getUserCredit?username=xxxxx&apikey=xxxxxxxxx
xxx

Parameters	Description
username	Account id provided by service provider
apikey	API Key
msgid	Unique message ID for every SMS
signature	Sender ID used to send SMSs

Push/Call Back Delivery API

Sample Format

https://sample.com/c70831d5-a8b1-49d8-bded-
34edf593dcbf?sid=##messageid##&status=##status##&stime=##submittim
e##&dest=##mobile##&dtime=##deliverytime##&reason=##deliverycode#
#

Parameters	Description
reason	'000'/'101'/'180'/'97'/'98'/ (wherein "000" stands for delivered and rest code are mapped for failure.)
status	"DELIVRD" or "FAILED" or "UNDELIV" or "REJECTD" or "EXPIRED"

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JSON URL format

Sample URL

`http://api.telsp.in/pushapi/json/sendmsg`

Sample Request Format

```
{
"var":"","username":"userid",
"apikey":"xxxxxxxxxxxxxxxxxxxxx","msgtype":"PM",
"msgtext":"dlt    template","signature":"xxxxxx","entity":"entity    id    value", "templateid":"template id value", "tag":"123456",
"dest":["98918xxx","8588xxx"]
}
```

JSON API Parameter Definition

Parameter Name	Type	Need	Use	Description
username	String	Required	All	Account id; will be provided by SMS Platform
dest	Numeric	Required	All	The target mobile number on which the SMS is being sent
APIkey	String	Required	All	User specific api key for every request
signature	String	Required	All	Sender ID
messageType	String	Required	All	Type of message (PM for plain text or UC for Unicode message/multilingual message)
messageTxt	String	Required	All	Text to be sent

tag	String	Optional	All	Customer reference key specific to campaign
entity	Numeric	Required	All	DLT register Entity ID for the Header
templateId	Numeric	Required	All	DLT register Template ID for the Message Template
var	String	Optional	All	Customer reference key specific to campaign

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