



Indian Bank

Enterprise API Specification Document Domestic Transactional SMS Service

Version: 4.0

Release Date: 14.10.2024

ABSTRACT

This API Specification document contains detailed information to integrate the **Domestic Transactional SMS API** by the consuming business application.

DOCUMENT HISTORY

Ver.	Date	Change Description	Author
1.0	24-JULY-2023	First Release of Document	Kanimozhi D
2.0	04-JAN-2023	Second Release of Document	Praveen Murugan
3.0	22-APR-2023	Third Release of Document	Praveen Murugan
4.0	14-OCT-2024	Fourth Release of Document	Jayasri M

APPROVER HISTORY

Version	4.0
Reviewer	Rajasekar Kalidassan
Review Date	14-10-2024
Approver	RaghuRam Vaddagoni
Approval Date	14-10-2024

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1. INTRODUCTION:

The specification document outlines the API functionality, the endpoint it exposes and the essential details required to be sent as part of request payload and the expected response payload from middleware.

2. API ENDPOINTS:

UAT endpoint:

<https://test-intgateway.ib.in/uat-indian-bankapi/enterprise/sms/v1/push-dm-sms>

3. API METHOD AND PROTOCOL:

- This API uses POST method call of the REST Service implementation.
- This API is exposed as a stateless service over HTTPS.

4. API PRODUCT:

Product Name: **SMS Gateway**

To consume the service, subscribe to the above Product in the developer portal.

5. REQUEST HEADERS:

Following table describes the Rest API Request Header Parameters to be passed when the API is invoked by the consuming application.

S. No	Field Name	Description	Data Type	Mandatory	Sample Values
1	X-IB-Client-Id	The Consumer application will be given a Client ID while registering their Application in Developer Portal Site to access this API. The Client ID should be passed as a Request Header value in this field.	String	Y	Provided by bank
2	X-IB-Client-Secret	The Consumer application will be given a Client Secret while registering their Application in Developer Portal Site to access this API. The Client Secret should be passed as a Request Header value in this field.	String	Y	Provided by bank
3	Content-Type	Content Type of the API.	String (Fixed value)	Y	application/json
4	Channel	This Header shall have the Channel Name of the Consuming Application.	String	Y	Provided by bank
5	X-Client-Certificate	This Header shall have the Consumer Certificate details. This should have the same value which a Consumer has provided into Developer Portal while registering their application. This is an Optional Header and applicable only when Certificate Validation is enabled for an API.	String	Y	As uploaded in Developer portal to be passed in the header.

S. No	Field Name	Description	Data Type	Mandatory	Sample Values
6	X-API-Interaction-ID	This Header shall have a Unique Transaction ID for every API call that a Consumer application does. Every Consumer shall generate a 26-digit Alpha Numeric Interaction ID which contains 4 Digit characters indicating the application name, 13 digit milliseconds value (eg: System.currentTimeMillis()), dynamically generated value and 9 digit dynamic sequence number (Seq increment auto generated) that shall be used to track the Transaction request end to end.	String	Y	<p>{channel}1234585 245875423652154</p> <p>FIRST 4 Characters: Channel Value provide by BANK team while onboarding.</p> <p>REST 22 Characters: Random Unique Numeric Values</p> <p>NOTE: Numeric values will be unique for each request.</p>
7	HealthCheck	This Header shall have either TRUE or FALSE Value. This header value indicates whether the API call is a TEST call or actual Business Call. Actual backend shall not be called if value of this Header is TRUE, and a dummy response shall be sent. This Header shall be used to do the health Check of the Integration Platform. Default value is, FALSE.	String	Y	FALSE
8	HealthType	This Header can have following Values: 1) ALL, 2) GWY or 3) IS (Integration Server). Based on this Header Value, health of a specific Integration component shall be checked. In case of ALL, health of entire Integration shall be checked. Default value is, ALL.	String	Y	ALL

S. No	Field Name	Description	Data Type	Mandatory	Sample Values
9	TemplateId	The consumer Application will send TemplateId	Integer	N	As registered in DLT portal
10	SenderId	The consumer Application will send SenderId	String	Y	As registered in DLT portal
11	Smstype	The consumer Application will send smstype	String	N	NA

6. REQUEST PAYLOAD FIELDS & DATA TYPES:

Field Name	Data Type	Length	Mandatory	Description
sms	Object	NA	Y	
Body	Object	NA	Y	
Payload	Object	NA	Y	
mobileNo	String	10	Y	Destination Mobile Number
message	String	Variable	Y	Template whitelisted at DLT
countryCode	String	2	Y	Fixed Value (91)

7. RESPONSE HEADERS:

S. No	Field Name	Description	Data Type	Sample Values
1	Content-Type	The Response Content-Type.	Fixed Value	application/json
2	x-api-interaction-id	The Value received in the request.	String	Interaction id as passed by consuming channel in request
3	ib-gwy-id	API Gateway generates a unique ID for every incoming Request. The value is returned in Response. Consuming Application should mention the x-interaction-id and ib-gwy-id for issue reporting	String	Unique id generated by middleware for each request initiated by channel

8. RESPONSE PAYLOAD FIELDS & DATA TYPES:

Field Name	Data Type
smsResult	Object
metadata	Object
status	Object
Code	String
Desc	String
Body	Object
Message	String
Status	String
ackId	String

9. DOMESTIC SMS API CALL – SAMPLE REQUEST PAYLOAD:

```

{
  "sms": {
    "Body": {
      "Payload": {
        "mobileNo": "97152*****",
        "message": "Dear user, the password for 987654 OTP to access admin web application -Indianbank",
        "countryCode": "91"
      }
    }
  }
}
    
```

10. DOMESTIC SMS API CALL – SAMPLE RESPONSE PAYLOAD FOR SUCCESS SCENARIO:

```

{
  "smsResult": {
    "metadata": {
      "status": {
        "Code": "200",
        "Desc": "Success"
      }
    },
    "Body": {
      "Message": "Message initiated successfully",
      "Status": "SUCCESS",
      "ackId": "38241257135818696"
    }
  }
}
    
```


11. DOMESTIC SMS API CALL – SAMPLE RESPONSE FAILURE SCENARIO:

```
{
  "ErrorResponse": {
    "metadata": {
      "status": {
        "code": "400",
        "desc": "Bad Request"
      }
    },
    "additionalinfo": {
      "excepCode": "GWICE4006-002",
      "excepText": "Invalid Header",
      "excepMetaData": "SenderId required header missing"
    }
  }
}
```

12. API VERSION CHANGE HISTORY:

Item	Version	Change Description
Domestic SMS & OTP	V1.0	First Release
Domestic SMS & OTP	V2.0	Second Release
Domestic SMS & OTP	V3.0	Added SMS Type in Header and product name included in basepath
Domestic SMS	V4.0	API Specification Document bifurcated for SMS and OTP service separately

13. APPENDIX:

Please refer the “API Registration for Application Owner Document” to access the API Portal for Onboarding & API Subscription.