**IFSC Validator**

**API Specification Document**

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# This document needs to be completed by BSG & IT/Vendor for each Application /API.

# *Introduction*

*API is used to get details of Valid IFSC which is entered in Request.*

# *List of API*

*List down the ……….*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| *1* | *IFSC Validator* | *This API gets IFSC code of various branches.* |

## API Name:

## IFSCVal

## Description:

*API is used to get details of Valid IFSC which is entered in Request.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

<https://apideveloper.rblbank.com/test/sb/IFSC_details/single_IFSC_detail>

***Access Requirement***

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Tran ID | Transaction Id | TranID | Alphanumeric,\_ only | - | Request ID for each request made  Schema validation will be displayed for following scenarios:  1.NULL Value  2.Special Character  3.More than 16 digits |
| Corp\_ID | Corporate ID | Corp\_ID | Alphanumeric,\_ only  \_ |  | Corporate id is an unique id shared by bank during Corporate Onboarding  Schema validation will be displayed for following scenarios:  1.Invalid data  2.Null data |
| Type | Transaction Type | Type | Enumeration |  | The Type of Transaction. Only following values will give success response and is case sensitiveNEFT' , 'RTGS' , 'IMPS' and 'ALL' only  If user enters NULL data other any data except above mentioned values then schema validation will be displayed |
| IFSCCode | IFSC Code | IFSCCode | String | 11 | The Unique Bank IFSC Code  Schema validation will be displayed if incorrect ifsc code or no value is given as input |

## Request Sample for NEFT:

{

"IFSCCodeValReq": {

"Header": {

"TranID": "${=System.currentTimeMillis() + ((int)(Math.random()\*1000))}",

"Corp\_ID": "MCTRN01"

},

"Body": {

"IFSCCode":"MAHB0000913",

"Type": "NEFT" ------------ (***This tag need to be changed as per requirement ie. IMPS,NEFT,RTGS, ALL***)

}

**}**

**}**

## Response Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| Tran ID | Transaction Id | Tran ID | Alphanumeric,\_ only | - | Tran ID for each request should be unique |
| Corp\_ID | Corporate ID | Corp\_ID | Alphanumeric,\_ only |  | Corporate id is an unique id shared by bank during Corporate Onboarding |  |
| BANK\_IFSC\_CODE | Bank IFSC Code | BANK\_IFSC\_CODE | String | - | Bank IFSC Code |  |
| BANK\_CODE | Bank Code | BANK\_CODE | String | - | Unique Bank Code |
| BANK\_NAME | Bank Name | BANK\_NAME | String | - | Bank Name |
| BRANCH\_NAME | Bank Branch Name | BRANCH\_NAME | String | - | Bank Branch Name |
| BANK\_DISTRICT\_NAME | Bank District Name | BANK\_DISTRICT\_NAME | String | - | Bank District Name |
| BANK\_STATE\_NAME | State Name | BANK\_STATE\_NAME | String | - | State Name of the Bank |
| TRANSACTION\_TYPE | Transaction Type | TRANSACTION\_TYPE | Enumeration | - | Transaction Mode Specified |
| IFSC\_STATUS | IFSC Status | IFSC\_STATUS | String | - | Status of IFSC |
| ADDRESS | Address | ADDREESS | String | - | Address of the Bank |
| CITY\_NAME | City Name | City Name | String | - | Name of the city of the bank branch. |

## Response Sample for NEFT

{"IFSCCodeValResp": {

"Header": {

"TranID": "1545045420416",

"Corp\_ID": "MCTRN01"

},

"Response": {"Data": [ {

"BANK\_IFSC\_CODE": "BKID0000015",

"BANK\_CODE": "BKID",

"BANK\_NAME": "BANK OF INDIA",

"BRANCH\_NAME": "Dadar (West)",

"BANK\_DISTRICT\_NAME": "MUMBAI",

"BANK\_STATE\_NAME": "MAHARASHTRA",

"TRANSACTION\_TYPE": "NEFT",

"IFSC\_STATUS": "ACTIVE",

"ADDREESS": "NA",

"CITY\_NAME": "MUMBAI"

}]}

}}

Response Sample for RTGS:

{"IFSCCodeValResp": {

"Header": {

"TranID": "1545045572369",

"Corp\_ID": "MCTRN01"

},

"Response": {"Data": [ {

"BANK\_IFSC\_CODE": "BKID0000015",

"BANK\_CODE": "BKID",

"BANK\_NAME": "BANK OF INDIA",

"BRANCH\_NAME": "Dadar (West)",

"BANK\_DISTRICT\_NAME": "MUMBAI",

"BANK\_STATE\_NAME": "MAHARASHTRA",

"TRANSACTION\_TYPE": "RTGS",

"IFSC\_STATUS": "ACTIVE",

"ADDREESS": "NA",

"CITY\_NAME": "MUMBAI"

}]}

}}

Response Sample for IMPS:

{"IFSCCodeValResp": {

"Header": {

"TranID": "1545045615190",

"Corp\_ID": "MCTRN01"

},

"Response": {"Data": [ {

"BANK\_IFSC\_CODE": "BKID0000015",

"BANK\_CODE": "BANK OF INDIA",

"BANK\_NAME": "BANK OF INDIA",

"BRANCH\_NAME": "DADAR WEST",

"BANK\_DISTRICT\_NAME": "MUMBAI",

"BANK\_STATE\_NAME": "MAHARASHTRA",

"TRANSACTION\_TYPE": "IMPS",

"IFSC\_STATUS": "ACTIVE",

"ADDREESS": "DADAR WEST,61 GOKHALE RD NORTH,NR. PORTUGUES. CHURCH,MUMBAI,400028,MAHARASHTRA",

"CITY\_NAME": "MUMBAI"

}]}

}}

**Response Sample for ALL:**

{"IFSCCodeValResp": {

"Header": {

"TranID": "1545045646111",

"Corp\_ID": "MCTRN01"

},

"Response": {"Data": [

{

"BANK\_IFSC\_CODE": "BKID0000015",

"BANK\_CODE": "BKID",

"BANK\_NAME": "BANK OF INDIA",

"BRANCH\_NAME": "Dadar (West)",

"BANK\_DISTRICT\_NAME": "MUMBAI",

"BANK\_STATE\_NAME": "MAHARASHTRA",

"TRANSACTION\_TYPE": "NEFT",

"IFSC\_STATUS": "ACTIVE",

"ADDREESS": "NA",

"CITY\_NAME": "MUMBAI"

},

{

"BANK\_IFSC\_CODE": "BKID0000015",

"BANK\_CODE": "BKID",

"BANK\_NAME": "BANK OF INDIA",

"BRANCH\_NAME": "Dadar (West)",

"BANK\_DISTRICT\_NAME": "MUMBAI",

"BANK\_STATE\_NAME": "MAHARASHTRA"

"TRANSACTION\_TYPE": "RTGS",

"IFSC\_STATUS": "ACTIVE",

"ADDREESS": "NA",

"CITY\_NAME": "MUMBAI"

},

{

"BANK\_IFSC\_CODE": "BKID0000015",

"BANK\_CODE": "BANK OF INDIA",

"BANK\_NAME": "BANK OF INDIA",

"BRANCH\_NAME": "DADAR WEST",

"BANK\_DISTRICT\_NAME": "MUMBAI",

"BANK\_STATE\_NAME": "MAHARASHTRA",

"TRANSACTION\_TYPE": "IMPS",

"IFSC\_STATUS": "ACTIVE",

"ADDREESS": "DADAR WEST,61 GOKHALE RD NORTH,NR. PORTUGUES. CHURCH,MUMBAI,400028,MAHARASHTRA",

"CITY\_NAME": "MUMBAI"

}

]}

}}

## Response Codes

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS |  | SUCCESS |
| FAILURE |  | FAILURE |

## Error Codes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Error Code** | **Error Type** | **Short Message** | **Long Message** | **Correcting This Error** |
| 'ER\_IV001' | 'Timeout Exception | Timeout Exception Occurred' | Timeout Exception Occurred' | Retry the request |
| 'ER\_IV002' | 'JSON Format' | 'Improper JSON Format' | 'Improper JSON Format' | Enter Proper JSON Format as per sample request |
| 'ER\_IV002' | 'Schema Validation Failure' | 'Schema Validation Failure' | 'Schema Validation Failure' | End to End request should be validated along with master value, mandatory fields and string length. |
| 'ER\_IV003' | ‘Service' Failure' | 'Error Occurred While Calling Provider Service' | 'Error Occurred While Calling Provider Service' | Retry the request |
| 'ER\_IV004'; | ESB Database | 'Error Occurred While Accessing The ESB Database'; | 'Error Occurred While Accessing The ESB Database'; | Retry the request |
| 'ER\_IV005' | 'Technical Failure' | 'Technical Failure' | 'Technical Failure' | Retry the request |
| 'ER\_IV006' | ‘User Defined Exception ' | ‘Duplicate Tran ID | ‘Duplicate Tran ID | Transaction id in the request should be changed and it should be unique. |
| 'ER\_IV007' | ‘User Defined Exception ' | ‘Please enter valid CorpID’ | ‘Please enter valid CorpID’ | Enter valid Corp\_id |

# *Appendix*

***List of mandatory tags in request and response***

|  |  |  |
| --- | --- | --- |
| **MANDATORY REQUEST FIELDS** | | |
| **FIELDS** | **TAGS MANDATORY** | **VALUES MANDATORY** |
| Tran ID | Y | Y |
| Corp ID | Y | Y |
| Type | Y | Y |
| IFS Code | Y | Y |

|  |  |  |  |
| --- | --- | --- | --- |
| **MANDATORY RESPONSE FIELDS** | | | |
| **FIELDS** | **TAGS MANDATORY** | **VALUES MANDATORY** | |
| Tran ID | Y | Y | |
| Corp ID | Y | Y | |
| BANK\_IFSC\_CODE | Y | Y | |
| BANK\_CODE | Y | Y | |
| BANK\_NAME | Y | Y | |
| BRANCH\_NAME | Y | Y | |
| BANK\_DISTRICT\_NAME | Y | Y | |
| BANK\_STATE\_NAME | Y | Y | |
| TRANSACTION\_TYPE | Y | Y | |
| IFSC\_STATUS | Y | Y | |
| ADDREESS | Y | Y |
| CITY\_NAME | Y | Y |