**API Description Document**

**Requestor**

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| --- | --- |
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**Approvals**

|  |  |
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| Comments: | |

**Revision History**

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# Introduction

*Project – RBL API Banking*

*Beneficiary Registration API which can be used to register the Beneficiaries with passing the Beneficiary details like Name, Address, Acc No., IFSC etc. After successful registration, a Bene Id will be created which can be used in Payment API (Single/Multi) for payments to the Beneficiaries by a corporate, no need to pass on the dull details of the Beneficiaries.*

# List of API

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| 1 | Beneficiary Registration | This service registers the Beneficiaries, as well as modifies, activates & de-activates Beneficiary accounts registered. |

## API Name

*RBL\_Beneficiary\_Reg.*

## Description

*This service would register Beneficiaries corresponding to every unique Ben Account numbers.*

***Process flow, UML Diagram***

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

*https://apideveloper.rblbank.com/test/sb/v1/rbl/api/ben/register*

## Request Parameters

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** | **Mandatory(Yes/No)** |
| TranID | Transaction Id | TranID | String | Alphanumeric  MaxLength=20 | Transaction ID generated by consumer which is unique | Yes |
| Corp\_ID | Corporate Id | Corp\_ID | String | Alphanumeric MaxLength=20 | Unique ID assigned to each enrolled Corporate | Yes |
| Maker\_ID | Maker Id | Maker\_ID | String | Alphanumeric MaxLength=20 | Unique ID for request creator | No (According to the Validation Flag in Corp Hierarchy Table.) |
| Checker\_ID | Checker Id | Checker\_ID | String | Alphanumeric MaxLength=20 | Unique ID for request checker | No (According to the Validation Flag in Corp Hierarchy Table.) |
| Approver\_ID | Approver Id | Approver\_ID | String | Alphanumeric  MaxLength=20 | Unique ID for request approver | No (According to the Validation Flag in Corp Hierarchy Table.) |
|  |  |  |  |  |  |  |
| Ben\_IFSC | IFSC Code | Ben\_IFSC | String | Alphanumeric  MaxLength=15 | Beneficiary Account Number Bank IFSC Code | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_Acct\_No | Account Number | Ben\_Acct\_No | String | Alphanumeric  MaxLength=50 | Beneficiary Account Number | Yes |
| Ben\_Name | Account Holder Name | Ben\_Name | String | MaxLength=50 | Beneficiary Account Holder Name | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_Address | Address | Ben\_Address | String | MaxLength=50 | Beneficiary Account Holder's Address | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_BankName | Bank Name | Ben\_BankName | String | Alphanumeric,’-’& space  MaxLength=20 | Beneficiary Account Bank Address | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_BankCd | Bank Code | Ben\_BankCd | String | Alphanumeric  MaxLength=20 | Beneficiary Account Bank Code | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_BranchCd | Bank Branch Code | Ben\_BranchCd | String | Alphanumeric  MaxLength=20 | Beneficiary Account Bank Branch Code | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_Email | Email Id | Ben\_Email | String | Alphanumeric, (Should accept atleast one ‘@’ and ‘.’) MaxLength=50 | Beneficiary Account Holder's Email Id | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_Mobile | Mobile Number | Ben\_Mobile | Number | MaxLength=10 | Beneficiary Account Holder's Mobile Number | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_TrnParticulars | Beneficiary Transaction Particulars | Ben\_TrnParticulars | String | MaxLength=50 |  | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_PartTrnRmks | Beneficiary Part Transaction Remarks | Ben\_PartTrnRmks | String | MaxLength=50 | Details of the part transaction | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Issue\_BranchCd | Issuers Branch Code | Issue\_BranchCd | String | Alphanumeric  MaxLength=20 | Issuers Branch Code | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| NEFT | Transaction Type | Mode\_of\_Pay | String | Y/N,  Limits(Daily,Weekly,Monthly | Specified channel of payment | Yes (When Ben Action 0 or 1) |
| RTGS | Transaction Type | Mode\_of\_Pay | String | Y/N,  Limits(Daily,Weekly,Monthly | Specified channel of payment | Yes (When Ben Action 0 or 1) |
| DD | Transaction Type | Mode\_of\_Pay | String | Y/N,  Limits(Daily,Weekly,Monthly | Specified channel of payment | Yes (When Ben Action 0 or 1) |
| IMPS | Transaction Type | Mode\_of\_Pay | String | Y/N,  Limits(Daily,Weekly,Monthly | Specified channel of payment | Yes (When Ben Action 0 or 1) |
| FT | Transaction Type | Mode\_of\_Pay | String | Y/N,  Limits(Daily,Weekly,Monthly | Specified channel of payment | Yes (When Ben Action 0 or 1) |
| Ben\_Type | Payment Remarks | Beneficiary Type | String | MaxLength=10 |  | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Remarks | Remarks | Remarks | String | MaxLength=50 | Transaction Notes/Remarks | Yes (When Ben Action 0 or 1) Refer Mandatory Tag Document. |
| Ben\_Action | Reason for Payment | Request Action | String | 0,1,2,3 | Specified Ben Action | Yes |
| Ben\_Id | Notification Emails | Beneficiary Unique Id | String | MaxLength=50 |  | Yes (When Ben Action 1,2,3) |
| Nodal\_Flag | Nodal beneficiary Flag | Nodal beneficiary Flag action | String | Y/N/NotRequired | Nodal Beneficiary Flag | No |
| Signature | Signature | Signature | String | No max length defined. | Encrypted key for authenticating the request. Currently not required. | No |

## 

## Request Sample:

*{*

*"Beneficiary\_Registration": {*

*"Header": {*

*"TranID": "667benreg",*

*"Corp\_ID": "MC005",*

*"Maker\_ID": "M001",*

*"Checker\_ID": "C001",*

*"Approver\_ID": "A001"*

*},*

*"Body": {*

*"Ben\_IFSC": "CBInor10001",*

*"Ben\_Acct\_No": "acc667",*

*"Ben\_Name": "YUVIKA",*

*"Ben\_Address": "MUMBAI",*

*"Ben\_BankName": "YUTR",*

*"Ben\_BankCd": "BenBankCd",*

*"Ben\_BranchCd": "BenBranchCd",*

*"Ben\_Email": "BenDSA@gmail.com",*

*"Ben\_Mobile": "9819378393",*

*"Ben\_TrnParticulars": "SUDARSHAN",*

*"Ben\_PartTrnRmks": "ABHIJEET",*

*"Issue\_BranchCd": "IssueBranchCd",*

*"Mode\_of\_Pay": {*

*"NEFT": {*

*"YN": "N",*

*"Limit": {*

*"Daily": "111",*

*"Weekly": "444323",*

*"Monthly": "2456234"*

*}*

*},*

*"RTGS": {*

*"YN": "Y",*

*"Limit": {*

*"Daily": "",*

*"Weekly": "7",*

*"Monthly": ""*

*}*

*},*

*"DD": {*

*"YN": "N",*

*"Limit": {*

*"Daily": "77",*

*"Weekly": "00",*

*"Monthly": "09"*

*}*

*},*

*"FT": {*

*"YN": "Y",*

*"Limit": {*

*"Daily": "7",*

*"Weekly": "",*

*"Monthly": "333"*

*}*

*},*

*"IMPS": {*

*"YN": "N",*

*"Limit": {*

*"Daily": "",*

*"Weekly": "",*

*"Monthly": ""*

*}*

*}*

*},*

*"Bene\_Type": "SALC",*

*"Ben\_Action": "0",*

*"Remarks": "DMR",*

*"Ben\_Id": "",*

*"Nodal\_Flag": {*

*"Not\_Required": "",*

*"Yes": "",*

*"No": ""*

*}*

*},*

*"Signature": {*

*"Signature": "Signature"*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | | **Parameter Constraints** | **Comments** | | | |
| TranID | Transaction Id | TranID | String | | Alphanumeric  MaxLength=20 | Transaction ID generated by customer which is unique | | | |
| Corp\_ID | Corporate Id | Corp\_ID | String | Alphanumeric & ‘\_’  MaxLength=20 | | Unique ID assigned to each enrolled Corporate |  |  |  |
| Maker\_ID | Maker Id | Maker\_ID | String | Alphanumeric & ‘\_’  MaxLength=20 | | Unique ID for request creator |  |  |  |
| Checker\_ID | Checker Id | Checker\_ID | String | Alphanumeric & ‘\_’  MaxLength=20 | | Unique ID for request checker |  |  |  |
| Approver\_ID | Approver Id | Approver\_ID | String | Alphanumeric & ‘\_’  MaxLength=20 | | Unique ID for request approver |  |  |  |
| Status | Status | Status | String |  | | SUCCESS/ FAILURE |  |  |  |
| Error\_Cde | Error Code | Error\_Cde | String |  | | If Error occurs provides error code | | | |
| Error\_Desc | Error Description | Error\_Desc | String |  | | If Error occurs provides error description | | | |
| RefNo | Reference Number | RefNo | String | Alphanumeric  MaxLength=50 | | Unique reference number provided for each request | | | |
| Ben\_Id | Beneficiary ID | Ben\_Id | String |  | | Unique ID for each Beneficiary Registered | | | |
| Ben\_Ifsc | Beneficiary IFSC | Ben\_Ifsc | String |  | | Beneficiary IFSC code. | | | |
| Ben\_Mobile | Beneficiary Mobile | Ben\_Mobile | Integer |  | | Beneficiary Mobile Number | | | |
| Ben\_Email | Beneficiary Email | Ben\_Email | String |  | | Beneficiary Email ID | | | |
| Ben\_BankName | Beneficiary Bank Name | Ben\_BankName | String |  | | Beneficiary Bank Name | | | |
| Ben\_Name | Beneficiary Name | Ben\_Name | String |  | | Beneficiary Name | | | |
| Remarks | Remarks | Remarks |  |  | | Transaction Notes/Remarks | | | |
| Ben\_Acct\_No | Beneficiary Account Number | Ben\_Acct\_No | String | Alphanumeric & ‘\_’  MaxLength=50 | | Beneficiary Account Number | | | |
| TxnTime | Transaction Time | TxnTime | Timestamp | YYYY-mm-dd HH:mm:ss.000000 | |  | | | |
| NEFT | Transaction Type | NEFT | String | Y/N | | Specified channel of payment | | | |
| RTGS | Transaction Type | RTGS | String | Y/N | | Specified channel of payment | | | |
| FT | Transaction Type | FT | String | Y/N | | Specified channel of payment | | | |
| DD | Transaction Type | DD | String | Y/N | | Specified channel of payment | | | |
| IMPS | Transaction Type | IMPS | String | Y/N | | Specified channel of payment | | | |
| Nodal\_Flag | Nodal flag Bene | Nodal Flag | String | Y/N/NotRequired | | Nodal flag Bene | | | |
| Signature | Signature | Signature | String | No max length defined. | | Encrypted key for authenticating the request. Currently not required. | | | |

## Response Sample

*{"Beneficiary\_Registration": {*

*"Header": {*

*"TranID": "667benreg",*

*"Corp\_ID": "MC005",*

*"Maker\_ID": "M001",*

*"Checker\_ID": "C001",*

*"Approver\_ID": "A001"*

*},*

*"Body": {*

*"Status": "Success",*

*"Ben\_Id": "BENMC005667benreg",*

*"Ben\_Acct\_No": "acc667",*

*"Ben\_IFSC": "CBINOR10001",*

*"Ben\_Mobile": "9819378393",*

*"Ben\_Email": "BenDSA@gmail.com",*

*"Ben\_BankName": "YUTR",*

*"Ben\_Name": "YUVIKA",*

*"Remarks": "DMR",*

*"Ref\_No": "BENMC005667benreg",*

*"Txn\_Time": "2016-10-26 12:26:51.975251",*

*"Mode\_of\_Pay": {*

*"NEFT": "N",*

*"RTGS": "Y",*

*"DD": "N",*

*"FT": "Y",*

*"IMPS": "N"*

*},*

*"Nodal\_Flag": ""*

*},*

*"Signature": {"Signature": "Signature"}*

*}}*

**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** | **Error Type** |
| ER001 | General | Improper JSON Format | Improper JSON Format |  |  |
| ER002 | Validation | Schema Validation Failure | Schema Validation Failure |  |  |
| ER003 | Validation | Invalid CorpId | Invalid CorpId |  |  |
| ER004 | Technical | Technical Failure | Technical Failure |  |  |
| ER006 | Technical | Timeout Exception Occurred | Timeout Exception Occurred |  |  |
| ER008 | Validation | Invalid Corporate Hierarchy | Invalid Corporate Hierarchy |  |  |
| ER013 | Validation | Duplicate transaction Id | Duplicate transaction Id |  |  |
| ER036 | Validation | Ben Account Already Exists | Ben Account Already Exists |  |  |
| ER037 | Validation | Ben Account is Deactivated, Please Activate to Modify | Ben Account is Deactivated, Please Activate to Modify |  |  |
| ER038 | Validation | Ben ID is not registered | Ben ID is not registered |  |  |
| ER039 | Validation | Ben Account is already Activated | Ben Account is already Activated |  |  |
| ER040 | Validation | Ben Account is already De-activated | Ben Account is already De-activated |  |  |
| ER018 | DB | Error Occurred While Accessing The ESB Database | Error Occurred While Accessing The ESB Database |  |  |
| ER020 | Validation | Request not valid for the given Debit Acct No | Request not valid for the given Debit Acct No |  |  |
|  |  |  |  |  |  |