**API Description Document**

**Requestor**

|  |  |
| --- | --- |
| Requestor:  Richa Gupta | Date:  dd – Mmm – yy |
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**Approvals**

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| Please add additional rows if you have additional stakeholders that need to approve this document. | |
| Comments: | |

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Document/Dept. Owner:  BSG | | | |
| Created By: | RICHA GUPTA | Date:  dd – Mmm – yy | |
| Revised By | Date Revised | New Version # | Comment |
| RICHA GUPTA | 05 – 01 – 18 | 1.1 | New Tag added in response. |
| RICHA GUPTA | 25-01-18 | 1.2 | One new Ref status added as ‘Returned’ for transactions returned from beneficiary bank. |
|  |  |  |  |
|  |  |  |  |

**Table of Contents**

[1. Scope and Business Case Overview 4](#__RefHeading___Toc413661394)

[1.1 Project Overview 4](#__RefHeading___Toc413661395)

[1.2 Current process & opportunity 4](#__RefHeading___Toc413661396)

[1.3 High-level business requirements 4](#__RefHeading___Toc413661397)

[1.3.1 Functional Requirement 4](#__RefHeading___Toc413661398)

[1.3.2 Non- Functional Requirement 4](#__RefHeading___Toc413661399)

[1.4 Business Benefit Case 4](#__RefHeading___Toc413661400)

[1.4.1 Financial Benefit 4](#__RefHeading___Toc413661401)

[1.4.2 Non-Financial Benefit 4](#__RefHeading___Toc413661402)

[2. Acceptance Criteria & Project Plan 5](#__RefHeading___Toc413661403)

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

# Introduction

*Project – RBL API Banking*

# List of API

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| 1 | Multi Payment Status Corp | Fetches the status of the required transaction |

## API Name

getMultiPaymentStatusCorp

## Description

*Fetches the status of a Multi Payment Batch.*

***Process flow, UML Diagram***

*Please add detailed process flow, UML diagram where were necessary.*

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

1. <https://apideveloper.rblbank.com/test/sb/rbl/v1/payments/corp/multi/multi_payment/query>

Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction Id | TranID | String | Alphanumeric & ‘\_’  MaxLength=16 | Transaction ID generated by consumer 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 |
| Req\_TranID | Request  Transaction Id | Req\_TranID | String | Alphanumeric  MaxLength=40 | Req\_TranID of the transaction for which the details are required |
| Signature | Signature | Signature | String | No max length defined. | Encrypted key for authenticating the request. Currently not required. |

## Request Sample

*{*

*"getMultiPaymentStatusCorpReq": {*

*"Header": {*

*"TranID": “ASK149",*

*"Corp\_ID": "TEST2222",*

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

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

*"Approver\_ID": "A001"*

*},*

*"Body": {*

*"Req\_TranID": “MPTEST2222ASK149"*

*},*

*"Signature": {*

*"Signature": "str1234"*

*}*

*}*

*}*

**Response Parameters**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** | |
| TranID | Transaction Id | TranID | String | Alphanumeric & ‘\_’  MaxLength=16 | Transaction ID generated by consumer 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 | Transaction Status of Enquiry service |  |  |  |
| 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 | |
| Org\_TranID | Org\_TranID | Org\_TranID | String | Alphanumeric  MaxLength=40 | Original Transaction Id of Paymennt | |
| Req\_TranID | Request TranID | Req\_TranID | String | Alphanumeric  MaxLength=40 | Req\_TranID of the transaction for which the details are required | |
| TranID\_Status | TranID Status | TranID\_Status | String |  | Status of Req\_TranID | |
| TranID\_StatusDesc | TranID Status Description | TranID\_StatusDesc | String |  | Status Description of Req\_TranID | |
| RefNo | Transaction  Reference Number | RefNo | String | MaxLength=40 | RefNo of the transaction for which the details are required | |
| UTRNo | UTRNo | UTRNo | String | MaxLength=20 | UTR of the transaction for which the details are required (Only in case of NEFT/RTGS) | |
| PONUM | PONUM | PONUM | String | MaxLength=20 | PONUM of the transaction for which the details are required (Only in case of NEFT/RTGS) | |
| RRN | RRN | RRN | String | MaxLength=20 | RefNo of the transaction for which the details are required (Only in case of IMPS) | |
| Ben\_Acct\_No | Beneficiary Account Number | Ben\_Acct\_No | String | MaxLength=20 | Account number of the beneficiary of the transactions | |
| RefStatus | Reference Number  Status | RefStatus | String |  | Status of the transactions | |
| StatusDesc | Status Description | StatusDesc | String |  | Status description of the transaction | |
| BEN\_CONF\_RECEIVED | BENEFICIARY CONFIRMATION RECEIVED | BEN\_CONF\_RECEIVED | String | Y/N | Flag to show if NEFT credit occurred or not(Only applicable for NEFT) | |
| CREDIT\_DATETIME | CREDIT DATETIME | CREDIT\_DATETIME | Timestamp |  | Value showing the actual credit time if above flag is Y(Only applicable for NEFT) | |
| PaymentStatus | Payment Status | PaymentStatus | Numeric | Values Allowed: 7,8,9 | Describes IMPS status from GI  7- Confirmed Success, 8 – Confirmed Failure, 9 – Awaiting Confirmation | |
| RefErrorCode | Reference Error Code | RefErrorCode | String |  | Transaction Error code when failed(For NEFT/RTGS/FT) | |
| RefRespCode | Reference Response Code | RefRespCode | Stirng |  | NPCI response code for IMPS | |
| CBSTrnID | CBSTrnID | CBSTrnID | Stirng |  | CBS transaction ID(For Success NEFT/RTGS/FT) | |
| ApproverID | Approver ID | ApproverID | String |  | Unique ID for request approver | |
| ApproverStatus | Approver Status | ApproverStatus | String |  | Status taken by Approver on Transaction | |
| TxnTime | Transaction Time | TxnTime | Timestamp | 2015-10-21 13:19:42.34 | Time at which transaction had taken place | |
| Signature | Signature | Signature | String | No max length defined. | Encrypted key for authenticating the request. Currently not required. | |

## Response Sample

*{*

*"getMultiPaymentStatusCorpRes": {*

*"Header": {*

*"TranID": "str1235",*

*"Corp\_ID": "TEST2222",*

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

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

*"Approver\_ID": "A001",*

*"Status": "Success",*

*"Error\_Cde": "",*

*"Error\_Desc": ""*

*},*

*"Body": {*

*"Org\_TranID": "ASK149",*

*"Req\_TranID": "MPTEST2222ASK149",*

*"TranID\_Status": "PROCESSED",*

*"TranID\_StatusDesc": "Transaction has been processed",*

*"Transaction": [*

*{*

*"RefNo": "MPTEST2222ASK149test606",*

*"RRN": "724716026840",*

*"Ben\_Acct\_No": "123456789101",*

*"RefStatus": "Success",*

*"StatusDesc": "Transaction payment successful",*

*"PaymentStatus": "9",*

*"Approvers": {*

*"ApproverID": "A002",*

*"ApproverStatus": "Accepted"*

*},*

*"TxnTime": "2017-09-04 17:00:46.24"*

*},*

*{*

*"RefNo": " MPTEST2222ASK149test607",*

*"UTRNo": "RATNN18004212018",*

*"PONUM": "000024811274",*

*"Ben\_Acct\_No": "1000112010002119",*

*"RefStatus": "Initiated",*

*"StatusDesc": "Transaction Payment has been initiated",*

*"BEN\_CONF\_RECEIVED": "N",*

*"CBSTrnID": "S6091"*

*},*

*{*

*"RefNo": "MPMC0091515040313888A14",*

*"Ben\_Acct\_No": "1000110010002463",*

*"RefStatus": "Success",*

*"StatusDesc": "Transaction payment successful",*

*"CBSTrnID": " M1274",*

*"Approvers": {*

*"ApproverID": "A002",*

*"ApproverStatus": "Accepted"*

*},*

*"TxnTime": "2017-09-04 16:22:51.28"*

*}*

*]*

*},*

*"Signature": {*

*"Signature": "str1234"*

*}*

*}*

*}*

**Sample Response for all MODE Of Pay**



**Status and RefStatus :**

****

## 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 |  |  |
| ER009 | Validation | RefNo does not exist | RefNo does not exist |  |  |
| ER017 | Technical | Error Occurred While Calling FI Service | Error Occurred While Calling FI Service |  |  |
| ER018 | DB Error | Error Occurred While Accessing The ESB Database | Error Occurred While Accessing The ESB Database |  |  |
| ER021 | Validation | Request not valid for the given CorpId | Request not valid for the given CorpId |  |  |
| ER025 | Validation | ReqRefNo and CorpId does not map to each other. | ReqRefNo and CorpId does not map to each other |  |  |
|  | Validation | One or more of the reference numbers entered is repeated. | One or more of the reference numbers entered is repeated. |  |  |
|  | Validation | Limit exceeded of the approver' | Limit exceeded of the approver' |  |  |
|  | Validation | Limit exceeded of the Group | Limit exceeded of the Group |  |  |
|  | Validation | One or more of the field(s) entered is incorrect | One or more of the field(s) entered is incorrect |  |  |
|  | Validation | Insufficient balance in one or more debit account(s) | Insufficient balance in one or more debit account(s) |  |  |
|  |  | Request is under process | Request is under process |  |  |
|  | Technical | Internal Error | Internal Error |  |  |

# Appendix

List of mandatory tags for request and response

