**API Description Document**

**Requestor**

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| Requestor:  [ Aditya Padwal ] | Date:  13 – May – 16 |
| Designation  [ Manager] | Department  [ Technology - BSG] |

**Approvals**

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| Project Manager BSG:  [ Name Goes Here ] | Date:  dd – Mmm – yy |
| Please add additional rows if you have additional stakeholders that need to approve this document. | |
| Comments: | |

**Revision History**

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# 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 | NSDL PAN Validation API (Internal) | API will sent PAN no’s to NSDL for check the existence and validity. This API is compatible only for RBL Bank’s internal business use. |

## API Name

*PAN No Verification.*

## Description

*The service is an interface that allows the Client/Business to make an online verification of PAN by accessing the verification-API through RBL Bank’s API portal.*

***Process flow, UML Diagram***

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

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

[https://apideveloper.rblbank.com/test/sb/rbl/v1/PAN/With\_User\_ID](%20https://gateway.rblbank.com/prod/sb/rbl/api/PANVerification/With_User_ID)

## Request Parameters

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** | **Mandatory/Option** |
| TranID | Transaction Id | TranID | AN | MaxLength=16 | Transaction ID generated by consumer which is unique | M |
| Corp\_ID | Corporate Id | Corp\_ID | AN | MaxLength=20 | Unique ID assigned to each enrolled Corporate | M |
| Maker\_ID | Maker Id | Maker\_ID | AN | MaxLength=20 | Unique ID for request creator | NA |
| Checker\_ID | Checker Id | Checker\_ID | AN | MaxLength=20 | Unique ID for request checker | NA |
| Approver\_ID | Approver Id | Approver\_ID | AN | MaxLength=20 | Unique ID for request approver | NA |
| Nsdl\_UserID | NSDL Account ID | Nsdl\_UserID | AN | NA | User ID owned by the business group. | M |
| pan1 | PAN 1 out of 5 PAN numbers in the request. | pan1 | AN | MaxLength=10 | PAN No for which validation needs to be done. | M |
| pan2 | PAN 1 out of 5 PAN numbers in the request. | pan2 | AN | MaxLength=10 | PAN No for which validation needs to be done. | O |
| pan3 | PAN 1 out of 5 PAN numbers in the request. | pan3 | AN | MaxLength=10 | PAN No for which validation needs to be done. | O |
| pan4 | PAN 1 out of 5 PAN numbers in the request. | pan4 | AN | MaxLength=10 | PAN No for which validation needs to be done. | O |
| pan5 | PAN 1 out of 5 PAN numbers in the request. | pan5 | AN | MaxLength=10 | PAN No for which validation needs to be done. | O |
| Signature | Signature | Signature | AN | No max length defined. | Encrypted key for authenticating the request. Currently not required. | NA |

## Request Sample

*{*

*"panInquiry": {*

*"Header": {*

*"TranID": "uniqueTransactionID",*

*"Corp\_ID": "ValidCorpID",*

*"Maker\_ID": "",*

*"Checker\_ID": "",*

*"Approver\_ID": "",*

*"Nsdl\_UserID": "validUserID"*

*},*

*"Body": {*

*"panNumbers":[*

*{ "pan1": "AMXPP6546K"},*

*{"pan2": "AWXCC6589K"},*

*{"pan3": "AKLPP6421L"},*

*{"pan4": "ACQHP6546K"},*

*{"pan5": "AZXPM8531O"}*

*]*

*},*

*"Signature" :{*

*"Signature": "Signature"*

*}*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** | **Mandatory/Option** |
| TranID | Transaction Id | TranID | AN | MaxLength=16 | Transaction ID generated by consumer which is unique | M |
| Corp\_ID | Corporate Id | Corp\_ID | AN | MaxLength=20 | Unique ID assigned to each enrolled Corporate | M |
| Maker\_ID | Maker Id | Maker\_ID | AN | MaxLength=20 | Unique ID for request creator | NA |
| Checker\_ID | Checker Id | Checker\_ID | AN | MaxLength=20 | Unique ID for request checker | NA |
| Approver\_ID | Approver Id | Approver\_ID | AN | MaxLength=20 | Unique ID for request approver | NA |
| Nsdl\_UserID | NSDL Account ID | Nsdl\_UserID | AN | NA | User ID owned by the business group. | M |
| esbreturncode | ESB Return code | esbreturncode | Numeric | MaxLength=2 | ESB error code, incase validations fails at ESB end. | O |
| esbreturndesc | ESB error Description | esbreturndesc | AN | MaxLength=2 | Valid Error Desc for ESB error Code, | O |
| returncode | NSDL Status code | returncode | Numeric | MaxLength=2 | NSDL Status Code for Request Sent. | M |
| pan | PAN No | pan | AN | MaxLength=10 | PAN no sent as part of Request | M |
| panstatus | PAN No status at NSDL. | Panstatus | String | MaxLength=1 | PAN status managed by NSDL | M |
| lastname | Last Name | lastname | String | NA | Last name as per NSDL Database | O |
| firstname | First Name | firstname | String | NA | First name as per NSDL Database | O |
| middlename | Middle Name | middlename | String | NA | Middle name as per NSDL Database | O |
| pan-title | Title | pan-title | String | NA | Title as per NSDL Database | O |
| last-update-date | Last update | last-update-date | String | NA | Last update date as per NSDL Database | O |
| filler1 | Filler 1 | filler1 | AN | NA | Filler defined by NSDL for future use | O |
| Filler2 | Filler 2 | filler2 | AN | NA | Filler defined by NSDL for future use | O |
| Filler3 | Filler 3 | filler3 | AN | NA | Filler defined by NSDL for future use | O |
| Signature | Signature | Signature | AN | No max length defined. | Encrypted key for authenticating the request. Currently not required. | NA |

## Response Sample

*{"panInquiryResponse": {*

*"Header": {*

*"TranID": "uniqueTransactionID",*

*"Corp\_ID": "validCorpID",*

*"Maker\_ID": "",*

*"Checker\_ID": "",*

*"Approver\_ID": ""*

*"Nsdl\_UserID": "validUserID"*

*},*

*"Body": {*

*"esbreturncode": "0",*

*"esbreturndesc": "",*

*"returncode": "1",*

*"panDetails": [*

*{*

*"pan": "AMXPP6546K",*

*"panstatus": "E",*

*"lastname": "PATIL",*

*"firstname": "BHUSHAN",*

*"middlename": "VILAS",*

*"pan-title": "Shri",*

*"last-update-date": "15/09/2014",*

*"filler1": null,*

*"filler2": null,*

*"filler3": null*

*},*

*{*

*"pan": "AWXCC6589K",*

*"panstatus": "E",*

*"lastname": "PATIL",*

*"firstname": "KAMLESH",*

*"middlename": "BHUSHAN",*

*"pan-title": "Shri",*

*"last-update-date": "15/09/2014",*

*"filler1": null,*

*"filler2": null,*

*"filler3": null*

*},*

*{*

*"pan": "AKLPP6421L",*

*"panstatus": "E",*

*"lastname": "PATIL",*

*"firstname": "SHAILESH",*

*"middlename": "KAMLESH",*

*"pan-title": "Shri",*

*"last-update-date": "15/09/2014",*

*"filler1": null,*

*"filler2": null,*

*"filler3": null*

*},*

*{*

*"pan": "ACQHP6546K",*

*"panstatus": "N",*

*"lastname": null,*

*"firstname": null,*

*"middlename": null,*

*"pan-title": null,*

*"last-update-date": null,*

*"filler1": null,*

*"filler2": null,*

*"filler3": null*

*},*

*{*

*"pan": "AZXPM8531O",*

*"panstatus": "F",*

*"lastname": "PATEL",*

*"firstname": "RAMESH",*

*"middlename": "SURESH",*

*"pan-title": "Shri",*

*"last-update-date": "15/09/2014",*

*"filler1": null,*

*"filler2": null,*

*"filler3": "\r\n"*

*}*

*]*

*},*

*"Signature" :{*

*"Signature": "Signature"*

*}*

*}}*

PAN Status

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Description** |
| SUCCESS | E | Existing and Valid PAN |
| SUCCESS | F | Fake PAN |
| SUCCESS | N | Record (PAN) Not Found in ITD Database/Invalid PAN |

Return Codes

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS | 1 | Success |
| FAILURE | 2 | System Error |
| FAILURE | 3 | Authentication Failure |
| FAILURE | 4 | User not authorized |
| FAILURE | 5 | No PANs Entered |
| FAILURE | 6 | User validity has expired |
| FAILURE | 7 | Number of PANs exceeds the limit (5) |
| FAILURE | 8 | Not enough balance |
| FAILURE | 9 | Not an HTTPs request |
| FAILURE | 10 | POST method not used |

# Appendix

Request Format:



Response Format:

