

## API Description Document

### Requestor

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### Approvals

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Comments:	

## Revision History

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Revised By	Date Revised	New Version #
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## Table of Contents

<b>1.</b>	<b>SCOPE AND BUSINESS CASE OVERVIEW .....</b>	<b>4</b>
1.1	PROJECT OVERVIEW .....	4
1.2	CURRENT PROCESS & OPPORTUNITY .....	4
1.3	HIGH-LEVEL BUSINESS REQUIREMENTS.....	4
1.3.1	Functional Requirement .....	4
1.3.2	Non- Functional Requirement .....	4
1.4	BUSINESS BENEFIT CASE .....	4
1.4.1	Financial Benefit .....	4
1.4.2	Non-Financial Benefit .....	4
<b>2.</b>	<b>ACCEPTANCE CRITERIA &amp; PROJECT PLAN .....</b>	<b>5</b>

**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/External)	API will sent PAN no's to NSDL for checking the existence and validity. This API is compatible only for RBL Bank's Internal/External business use. This API if for the stakeholders who does not have account with NSDL.

## API Name

*verifyPAN*

## Description

*This service does all the single payment transactions.*

## 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/Without\\_User\\_ID](https://apideveloper.rblbank.com/test/sb/rbl/v1/PAN/Without_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	NA

					checker	
Approver_ID	Approver Id	Approver_ID	AN	MaxLength=20	Unique ID for request approver	NA
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": "",
    },
    "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
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": ""
    },
    "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
        }
      ]
    }
  }
}
```

```
"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:

