

API Description Document

Requestor

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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.	Technology - BSG	
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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

doPanVerify

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/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	O

					NSDL Database	
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:

