**E-Sign Online Digital Signature**

**API Specification Document V2**

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| File Name | Specification Document | Version. Rev | 0.02 |
| Authorized by | *Sudarshan Galipelli* | Date | 30-SEP-2016 |

Document Information

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| --- | --- | --- | --- |
| Project Name: | **E-Sign Online Digital Signature** | | |
| Project Manager: |  | Document Version No:0.00a | 0.02 |
| Quality Review Method: |  | Document Version Date: | 30-SEP -2017 |
| Prepared By: | *Ankita Wagh* | Preparation Date: | 30-SEP -2017 |
| Reviewed By: | *Sudarshan Galipelli* | Review Date: |  |

Version History

| Ver. No. | Ver. Date | Revised By | Description | Reviewed By |
| --- | --- | --- | --- | --- |
| 0.01 | 30-MAY -2017 | *Ankita Wagh* | *Draft Version* | *Ankita Wagh* |
| 0.02 | 30-SEPT -2017 | *Ankita Wagh* | *Draft Version* | *Ankita Wagh* |
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# *Introduction*

1. *This API is used for digitally signing the document.*

# *List of API*

*List down the ……….*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| 1 | Esign API | This API will be used for digitally signing the data filled by customer for taking his consent. |

## API Name

Esign API

***API URL***

https://apideveloper.rblbank.com/test/sb/rbl/api/v1/esign/generate

## Request Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction ID | TranID |  |  | Transaction ID generated by consumer of service |
|  | MinLength = 1 |
|  | Max length=20  Alphanumeric |
|  |  |
|  |  |
| String |  |
| CorpID | Corporate ID | Corp\_ID |  | MinLength = 1 | Corporate ID for the customer |
|  | MaxLength = 20 |
|  | Alphanumeric |
| String |  |
| AadharNo | Aadhar Number | AadharNo | Integer | Length :- 12 | Aadhar Number of Customer |
| responseURL | responseURL | responseURL | String | Alphanumeric | Post esign user authentication, the user should be routed to this url from esign page |
| docBase64 | Base 64 document value | docBase64 | Blob | - | This is the document which has customer data which needs to be digitally signed. |
| Signature | Signature value | Signature value | String | Min 1 | This is signature value which can include any customer signature tag |

## Type Of Request :

Pre User Authentication

## Request Sample:

{

"eSignReq": {

"Header": {

"TranID": "676785w2",

"Corp\_ID": "MC005"

},

"Body": {

"AadharNo": " Aadhar Number ",

"responseURL":"http://localhost:7080/shvbshv",

"docBase64":"base64endoded document"

},

"Signature": {

"Signature": "Signature"

}

}

}

## Response Parameters

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction ID | TranID |  |  | Transaction ID generated by consumer of service |
|  | MinLength = 1 |
|  | Max length=20  Alphanumeric |
|  |  |
|  |  |
| String |  |
| CorpID | Corporate ID | Corp\_ID |  | MinLength = 1 | Corporate ID for the customer |
|  | MaxLength = 20 |
|  | Alphanumeric |
| String |  |
| Status | Status | Status | String | - | Status of API whether it was successfull or it failed |
| StatusCode | Status code | StatusCode | Integer | Value 0 or 1 | Status code received from NSDL for success or failure |
| ErrorCode | Error Code | ErrorCode | Alphanumeric | - | This is the error code received from NSDL or generated by ESB. |
| Error Description | Error description | ErrorDesc | Alphanumeric | - | This is a description of the error |
| Msg and obj | Msg and obj | Msg,obj | Response XML |  | This XML should be used for routing to esign url for user authentication |

## Response Sample:

{"eSignRes": {

"Header": {

"TranID": "676785w2",

"Corp\_ID": "MC005"

},

"Body": {

"Status": "SUCCESS",

"StatusCode": "1",

"ErrorCode": null,

"ErrorDesc": null,

"data": {

"msg": “<response XML>",

"obj": "Aadhar Number"

}

}

}}

## Response Codes

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS | 1 | SUCCESS |
| FAILURE | 0 | FAILURE |

# *Appendix*

Post User Authentication

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction ID | TranID |  |  | Transaction ID generated by consumer of service |
|  | MinLength = 1 |
|  | Max length=20  Alphanumeric |
|  |  |
|  |  |
| String |  |
| CorpID | Corporate ID | Corp\_ID |  | MinLength = 1 | Corporate ID for the customer |
|  | MaxLength = 20 |
|  | Alphanumeric |
| String |  |
| AadharNo | Aadhar Number | AadharNo | Integer | Length :- 12 | Aadhar Number of Customer |
| msg | msg | msg | String | string | Post esign user authentication, Xml received in the msg tag includes signing details. |
| obj | obj | obj | Aadhar number | - | Aadhar number received in the tag |
| Signature | Signature value | Signature value | String | Min 1 | This is signature value which can include any customer signature tag |

{

"eSignReq": {

"Header": {

"TranID": "testU0tty",

"Corp\_ID": "MC005"

},

"Body": {

"AadharNo": "610073825390",

"data":{

"msg":"msg xml received from esign",

"obj":"aadhar number"}

},

"Signature": {

"Signature": "Signature"

}

}

}

Response parametes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction ID | TranID |  |  | Transaction ID generated by consumer of service |
|  | MinLength = 1 |
|  | Max length=20  Alphanumeric |
|  |  |
|  |  |
| String |  |
| CorpID | Corporate ID | Corp\_ID |  | MinLength = 1 | Corporate ID for the customer |
|  | MaxLength = 20 |
|  | Alphanumeric |
| String |  |
| Status | Status | Status | String | - | Status of API whether it was successfull or it failed |
| StatusCode | Status code | StatusCode | Integer | Value 0 or 1 | Status code received from NSDL for success or failure |
| ErrorCode | Error Code | ErrorCode | Alphanumeric | - | This is the error code received from NSDL or generated by ESB. |
| Error Description | Error description | ErrorDesc | Alphanumeric | - | This is a description of the error |
| Msg | msg | msg | Response XML |  | This XML should be used for routing to esign url for user authentication |

## Response Sample:

{"eSignRes": {

"Header": {

"TranID": "testU0tty",

"Corp\_ID": "MC005"

},

"Body": {

"Status": "SUCCESS",

"StatusCode": "1",

"ErrorCode": null,

"ErrorDesc": null,

"Signature": {"DocSignature": "base64 encoded signed document"}

}

}}

## Response Codes

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS | 1 | SUCCESS |
| FAILURE | 0 | FAILURE |