**Lien API**

**API Specification Document**

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

# *Introduction*

1. *Project – RBL API Banking*

# *List of API*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| 1 | Lien API | This API is used for Adding/Modifying/Inquiry Lien on RBL account |

## API Name

## Lien API

## Description

1. *This API is used for Adding Lien on RBL account also used for Modifying Lien and to do Inquiry of Lien.*

## Transport protocol (SOAP / REST)

1. *REST*

## API Request URLs

https://apideveloper.rblbank.com/test/sb/v1/rbl/api/lien-api/marklien

***Access Requirement***

## NA

## Request Parameters for Adding Lien

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Tags**  **Mandatory** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction Id | TranID | Y | String | Alphanumeric  MaxLength=16 | Transaction ID generated by consumer which is unique |
| Corp\_ID | Corporate Id | Corp\_ID | Y | String | Alphanumeric & MaxLength=16 | Unique ID assigned to each enrolled Corporate |
| Maker\_ID | Maker Id | Maker\_ID | Y | String | Alphanumeric & MaxLength=20 | Unique ID for request creator |
| Checker\_ID | Checker Id | Checker\_ID | Y | String | Alphanumeric & MaxLength=20 | Unique ID for request checker |
| Approver\_ID | Approver Id | Approver\_ID | Y | String | Alphanumeric &  MaxLength=20 | Unique ID for request approver |
| LienMode | Lien Mode | LienMode | Y | Char | Alphanumeric & MaxLength=1 | Unique Lien Mode As ‘A’ for Addition |
| AccountNo | Account Number | AccountNo | Y | Numeric | Numeric & MaxLength=16 | Customer Account Number for Lien mark |
| LienAmount | Lien Amount | LienAmount | Y | Float | Numeric | Lien Amount For Lien Mark /Add |
| Startdate | Start Date | Startdate | Y | Date | Numeric | Start Date For Lien Add |
| EndDate | End Date | EndDate | Y | Date | Numeric | End date For Lien Add |
| ReasonCode | Reason Code | ReasonCode | Y | String | Alphanumeric & MaxLength=5 | Reason Code for Lien Add |

## Request Sample for Adding Lien

*{*

*"LienRequest": {*

*"Header": {*

*"TranID": "1478503665833",*

*"Corp\_ID": "MC005",*

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

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

*"Approver\_ID": "A001"*

*},*

*"Body": {*

*"LienMode": "A",*

*"AccountNo": "405405405405",*

*"LienAmount": "91",*

*"Startdate": "2016-11-08",*

*"EndDate": "2017-11-12",*

*"ReasonCode": "99"*

*}*

*}*

*}*

## Response Parameters for Add Lien

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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=16 | 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 | NA | SUCCESS/FAILURE |  |  |  |
| AccountNo | Account Numbre | AccountNo | Numeric | Numeric & MaxLength=16 | Customer Account Number for added Lien |
| LienAmount | Lien Amount | LienAmount | Float | Numeric | Lien Amount |
| LienID | Lien Id | LienID | String | Alphanumeric | Lien Id for marked Lien |
| Message | Message | Message | String | NA | Message for SUCCESS response |

## Response Sample for Add Lien

## {

## "LienResponse": {

## "Header": {

## "TranID": "1478503665833",

## "Corp\_ID": "MC005",

## "Maker\_ID": "M001",

## "Checker\_ID": "C001",

## "Approver\_ID": "A001"

## },

## "Body": {

## "Status": "SUCCESS",

## "AccountNo": " 405405405405 ",

## "LienAmount": "91",

## "LienID": "RB121482384",

## "Message": "Lien Successfully Added"

## }

## }

## }

## Request Parameters for Modifying Lien

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Tags**  **Mandatory** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction Id | TranID | Y | String | Alphanumeric  MaxLength=16 | Transaction ID generated by consumer which is unique |
| Corp\_ID | Corporate Id | Corp\_ID | Y | String | Alphanumeric & MaxLength=16 | Unique ID assigned to each enrolled Corporate |
| Maker\_ID | Maker Id | Maker\_ID | Y | String | Alphanumeric & MaxLength=20 | Unique ID for request creator |
| Checker\_ID | Checker Id | Checker\_ID | Y | String | Alphanumeric & MaxLength=20 | Unique ID for request checker |
| Approver\_ID | Approver Id | Approver\_ID | Y | String | Alphanumeric &  MaxLength=20 | Unique ID for request approver |
| LienMode | Lien Mode | LienMode | Y | Char | Alphanumeric & MaxLength=1 | Unique Lien Mode As ‘M’ for Modifying Lien |
| AccountNo | Account Number | AccountNo | Y | Numeric | Numeric & MaxLength=16 | Customer Account Number |
| LienAmount | Lien Amount | LienAmount | Y | Float | Numeric | Lien Amount For Lien Modify |
| LienId | Lien Id | LienId | Y | String | Alphanumeric | Lien Id for Modifying Lien |
| Startdate | Start Date | Startdate | Y | Date | Numeric | Start Date For Lien Modify |
| EndDate | End Date | EndDate | Y | Date | Numeric | End date For Lien Modify |
| ReasonCode | Reason Code | ReasonCode | Y | String | Alphanumeric & MaxLength=5 | Reason Code for Lien Modify |

## Request Sample for Modifying Lien

*{*

*"LienRequest": {*

*"Header": {*

*"TranID": "1478506493428",*

*"Corp\_ID": "MC003",*

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

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

*"Approver\_ID": "A001"*

*},*

*"Body": {*

*"LienMode": "M",*

*"AccountNo": "401234512345",*

*"LienAmount": "1",*

*"LienId": [*

*"RB121482373"*

*],*

*"Startdate": "2016-11-29",*

*"EndDate": "2017-11-04",*

*"ReasonCode": "9"*

*}*

*}*

*}*

## Response Parameters for Modifying lien

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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=16 | 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 | NA | SUCCESS/FAILURE |  |  |  |
| AccountNo | Account Numbre | AccountNo | Numeric | Numeric & MaxLength=16 | Customer Account Number |
| LienAmount | Lien Amount | LienAmount | Float | Numeric | Lien Amount |
| LienID | Lien Id | LienID | String | Alphanumeric | Modified Lien ID |
| Message | Message | Message | String | NA | Message for SUCCESS response |

## Response Sample for Modifying Lien

## {

## "LienResponse": {

## "Header": {

## "TranID": "1478506493428",

## "Corp\_ID": "MC003",

## "Maker\_ID": "M001",

## "Checker\_ID": "C001",

## "Approver\_ID": "A001"

## },

## "Body": {

## "Status": "SUCCESS",

## "AccountNo": "401234512345",

## "LienAmount": "1",

## "LienID": "RB121482373",

## "Message": "Lien Successfully Modified"

## }

## }

## }

## Request Parameters for Inquiry Lien

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Tags**  **Mandatory** | **Parameter Type** | **Parameter Constraints** | **Comments** |
| TranID | Transaction Id | TranID | Y | String | Alphanumeric  MaxLength=16 | Transaction ID generated by consumer which is unique |
| Corp\_ID | Corporate Id | Corp\_ID | Y | String | Alphanumeric & MaxLength=16 | Unique ID assigned to each enrolled Corporate |
| Maker\_ID | Maker Id | Maker\_ID | Y | String | Alphanumeric & MaxLength=20 | Unique ID for request creator |
| Checker\_ID | Checker Id | Checker\_ID | Y | String | Alphanumeric & MaxLength=20 | Unique ID for request checker |
| Approver\_ID | Approver Id | Approver\_ID | Y | String | Alphanumeric &  MaxLength=20 | Unique ID for request approver |
| LienMode | Lien Mode | LienMode | Y | Char | Alphanumeric & MaxLength=1 | Unique Lien Mode As ‘I’ for Addition |
| AccountNo | Account Number | AccountNo | Y | Numeric | Numeric & MaxLength=16 | Customer Account Number |
| LienId | Lien Id | LienId | Y | String | Alphanumeric | Lien Id for Inquiry Lien |

## Request Sample for Inquiry Lien

## {

## "LienRequest": {

## "Header": {

## "TranID": "",

## "Corp\_ID": "MC005",

## "Maker\_ID": "M001",

## "Checker\_ID": "C001",

## "Approver\_ID": "A001"

## },

## "Body": {

## "LienMode": "I",

## "AccountNo": "401234512345",

## "LienId": ["RB121482373"]

## }

## }

## }

## Response Parameters for Inquiry Lien

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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=16 | 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 | NA | SUCCESS/FAILURE |  |  |  |
| AccountNo | Account Numbre | AccountNo | Numeric | Numeric & MaxLength=16 | Customer Account Number |
| LienAmount | Lien Amount | LienAmount | Float | Numeric | Lien Amount |
| LienID | Lien Id | LienID | String | Alphanumeric | Lien ID |
| Startdate | Start Date | Startdate | Date | Numeric | Start Date Of Lien |
| EndDate | End Date | EndDate | Date | Numeric | End date of lien |
| ReasonCode | Reason Code | ReasonCode | String | Alphanumeric & MaxLength=5 | Reason Code Of Lien |

## Response Sample for Inquiry Lien

*{*

*"LienResponse": {*

*"Header": {*

*"TranID": "1478506927395",*

*"Corp\_ID": "MC005",*

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

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

*"Approver\_ID": "A001"*

*},*

*"Body": {*

*"Status": "SUCCESS",*

*"AccountNo": "401234512345",*

*"LienDtls": [*

*{*

*"LienAmount": "1.0",*

*"LienId": "RB121482373",*

*"From\_date": "2016-11-06T00:00:00.000",*

*"Exp\_Date": "2017-11-04T00:00:00.000",*

*"ReasonCode": "9"*

*}*

*]*

*}*

*}*

*}*

## Response Codes

|  |  |  |
| --- | --- | --- |
| **Response Stage** | **Response Code** | **Response Message** |
| SUCCESS | NA | Lien Successfully Added |
| SUCCESS | NA | Lien Successfully Modified |
| SUCCESS | NA | NA |
| FAILURE | ERR\_LS\_002 | Duplicate TranID |
| FAILURE | ERR\_LS\_003 | Invalid CorpID |
| FAILURE | ERR\_LS\_004 | Invalid Corporate Hierarchy |
| FAILURE | ERR\_LS\_007 | Amount cannot be 0 for Lien Addition |
| FAILURE | ERR\_LS\_008 | Enter Valid Start Date and End Date |
| FAILURE | ERR\_LS\_009 | Enter Valid End Date for Modification of Lien |
| FAILURE | ERR\_LS\_010 | Improper JSON Format |
| FAILURE | ERR\_LS\_011 | Schema Validation Failure |
| FAILURE | ERR\_LS\_014 | Technical Failure |
| FAILURE | ERR\_LS\_016 | Invalid Lien Mode |
| FAILURE | ERR\_LS\_018 | Reason Code is Mandatory for this Lien Mode |
| FAILURE | ERR\_LS\_019 | Lien ID does not exist |
| FAILURE | ERR\_LS\_019 | Lien ID Should not be present for this Lien Mode |
| FAILURE | E4157 | The date must be later than or same as the BOD date |
| FAILURE | E4221 | Account is Frozen |
| FAILURE | E7998 | The verification is pending for the newly added record. |
| FAILURE | BSM | The Lien Reason Code 0 is invalid |
| FAILURE | 100 | General Error |
| FAILURE | 162 | The account does not exist. |
| FAILURE | 342 | The account has been closed. |