**API Description Document**

**Requestor**

|  |  |
| --- | --- |
| Requestor: | Date:  28 – Jul – 18 |
| Designation | Department |

**Approvals**

|  |  |
| --- | --- |
| Executive Sponsor: | Date: |
| Business Program Manager: | Date: |
| Project Manager BSG: | Date: |
| Please add additional rows if you have additional stakeholders that need to approve this document. | |
| Comments: | |

**Revision History**

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**Table of Contents**

[1. Scope and Business Case Overview 4](#__RefHeading___Toc413661394)

[1.1 Project Overview 4](#__RefHeading___Toc413661395)

[1.2 Current process & opportunity 4](#__RefHeading___Toc413661396)

[1.3 High-level business requirements 4](#__RefHeading___Toc413661397)

[1.3.1 Functional Requirement 4](#__RefHeading___Toc413661398)

[1.3.2 Non- Functional Requirement 4](#__RefHeading___Toc413661399)

[1.4 Business Benefit Case 4](#__RefHeading___Toc413661400)

[1.4.1 Financial Benefit 4](#__RefHeading___Toc413661401)

[1.4.2 Non-Financial Benefit 4](#__RefHeading___Toc413661402)

[2. Acceptance Criteria & Project Plan 5](#__RefHeading___Toc413661403)

# Introduction

*Project – BFL EMI\_FINANCE API*

*BFL EMI-FINANCE requirement is to authorize EMI transactions for BFL cards using ESB credit Card API’s via ONUS debit.*

# List of API

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| 1 | BFL EMI\_FINANCE | *Authorize EMI transactions for BFL cards using ESB credit Card API’s via ONUS debit.* |

## API Name

## EMI\_FINANCE API

***Process flow, UML Diagram***

## Transport protocol (SOAP / REST)

*REST*

## API Request URLs

## <https://apideveloper.rblbank.com/test/sb/rbl/v1/EMI_Finance>

## Request Parameters

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | **Parameter Constraints** | **Comments** | **Mandatory(Yes/No)** |
| serReqId | serReqId | serReqId | String | Alphanumeric  MaxLength=20 | Service Request id to identify the request which is unique | Yes |
| cardNo | Card number | cardNo | String | Alphanumeric  MaxLength=20 | Card number | Yes |
| Amount | Amount | Amount | String | Alphanumeric  MaxLength=20 | Amount | Yes |
| AuthCode | AuthCode | AuthCode | String | Alphanumeric  MaxLength=20 | Auth code | No |
| MTI | MTI | MTI | String | Alphanumeric  MaxLength=20 | MTI | No |
| OTPRefno | OTPRefno | OTPRefno | String | Alphanumeric  MaxLength=20 | OTP reference number | Yes |
| otp | otp | otp | String | Alphanumeric  MaxLength=20 | OTP number | Yes |
| TransactionAmount | TransactionAmount | TransactionAmount | String | MaxLength=50 | Amount | Yes |
| AcquiringInstitutionID | AcquiringInstitutionID | AcquiringInstitutionID | String | MaxLength=50 |  | Yes |
| MerchantID | MerchantID | MerchantID | String | Alphanumeric  MaxLength=20 |  | .Yes |
| RespAuthId | RespAuthId | RespAuthId | String | Alphanumeric  MaxLength=20 |  | Yes |
| TransactionDate | TransactionDate | TransactionDate | String | Alphanumeric  MaxLength=20 |  | Yes |

## 

## Request Sample:

*1)CardEnquiry:*

*{*

*"CreditCardEMI":*

*{*

*"serReqId":"CardEnquiry",*

*"cardNo":"zDrSKx4p+aNFwZg2tUZeKLRbNwgd/ug38t5w3Phu0aI="*

*}*

*}*

*2) OTP Generation:*

*{*

*"CreditCardEMI":*

*{*

*"serReqId":"OTPGeneration",*

*"cardNo":"zDrSKx4p+aNFwZg2tUZeKLRbNwgd/ug38t5w3Phu0aI=",*

*"Amount":"8QxDzBXlZLyxzuibzprdOg==",*

*"AuthCode":"",*

*"MTI":"",*

*"MerchantId":"123456",*

*"AcquiringInstitutionID":"ojqyg0cQgj6J+ICc14RV1Q=="*

*}*

*}*

*3)OTP Validation:*

*{*

*"CreditCardEMI":*

*{*

*"serReqId":"OTPValidation",*

*"cardNo":"zDrSKx4p+aNFwZg2tUZeKLRbNwgd/ug38t5w3Phu0aI=",*

*"OTPRefno":"/JcfKcaLl5vehsTsztsBcA==",*

*"otp":"fv+l8WBOp9ZXkc9Ch3bWmQ=="*

*}*

*}*

*4)TransactionReversal:*

*{*

*"CreditCardEMI":*

*{*

*"serReqId":"TranReversal",*

*"cardNo":"9HB1pv+aYgQ0ZrGEuBvbkwuI2bylDtbTOAQT6H1/kJU=",*

*"TransactionAmount":"ssFaioUK/KIP/nvgbzRk1w==",*

*"AcquiringInstitutionID":"ojqyg0cQgj6J+ICc14RV1Q==",*

*"MerchantId":"",*

*"RespAuthId":"",*

*"TransactionDate":""*

*}*

*}*

***Response Parameters***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Name** | **Parameter Type** | | **Parameter Constraints** | **Comments** | | | |
| cardStatus | cardStatus | cardStatus | String | | Alphanumeric  MaxLength=20 | Satus of the card | | | |
| Name | Name | Name | String | Alphanumeric & ‘\_’  MaxLength=20 | | Name of the customer |  |  |  |
| AddressLine1 | AddressLine1 | AddressLine1 | String | Alphanumeric & ‘\_’  MaxLength=20 | | Address of the customer |  |  |  |
| AddressLine2 | AddressLine2 | AddressLine2 | String | Alphanumeric & ‘\_’  MaxLength=20 | | Address of the customer |  |  |  |
| City | City | City | String | Alphanumeric & ‘\_’  MaxLength=20 | | City of the customer |  |  |  |
| State | State | State | String |  | | State of the customer |  |  |  |
| PinCode | PinCode | PinCode | String |  | | Pincode of the customer | | | |
| AvailableCreditLimit | AvailableCreditLimit | AvailableCreditLimit | String |  | | Available credit limit | | | |
| statusCode | statusCode | statusCode | String | Alphanumeric  MaxLength=50 | | statusCode of the response | | | |
| errorCode | errorCode | errorCode | String |  | | errorCode of the response | | | |
| Message | Message | Message | String |  | | Message of the response | | | |
| OTPRefno | OTPRefno | OTPRefno | String |  | | OTP Reference number | | | |
| TransactionAmount | TransactionAmount | TransactionAmount | String |  | | Transaction Amountt | | | |
| TransactionTime | TransactionTime | TransactionTime | String |  | |  | | | |
| RespAuthId | RespAuthId | RespAuthId | String |  | |  | | | |

## Response Sample

1. *1)Card Enquiry:*
2. *{"CreditCardEMI": {"response": {*
3. *"cardStatus": "0",*
4. *"Name": "SUNIL SHUKLA",*
5. *"AddressLine1": "A - 33/34 CHINA LINK",*
6. *"AddressLine2": "",*
7. *"City": "New Delhi",*
8. *"State": "DEL",*
9. *"PinCode": "110020",*
10. *"AvailableCreditLimit": "Omslv9/9c2GiFpUUe9d8lg==",*
11. *"status": {*
12. *"statusCode": "0",*
13. *"errorCode": "SUCCESS",*
14. *"message": "Transaction Allowed"*
15. *}*
16. *}}}*

*2)OTP Generation:*

*{"CreditCardEMI": {"Response": {*

*"OTPRefno": "tqJol0TQqI9lGpAFB2IrZQ==",*

*"status": {*

*"statusCode": "0",*

*"errorCode": "SUCCESS",*

*"message": "OTP Generated Successfully"*

*}*

*}}}*

*3) OTP Validation:*

*{"CreditCardEMI": {"Response": {*

*"TransactionAmount": "5000",*

*"TransactionTime": "2606180616",*

*"RespAuthId": "123456",*

*"status": {*

*"statusCode": "0",*

*"errorCode": "SUCCESS",*

*"message": "Transaction Successful"*

*}*

*}}}*

*4) TransactionReversal:*

*{"CreditCardEMI": {"Response": {*

*"TransactionAmount": "5000",*

*"TransactionTime": "2606180617",*

*"RespAuthId": "123456",*

*"status": {*

*"statusCode": "0",*

*"errorCode": "SUCCESS",*

*"message": "Transaction Successful"*

*}*

*}}}*

**Response Codes:**

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

## Error Codes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Error Code** | **Error Type** | **Short Message** | **Long Message** | **Correcting This Error** | **Error Type** |
| EMI9999 | General | We were unable to process your request. We regret the inconvenience & request you to please try again later. Thank you |  |  |  |