**API Description Document**

**Requestor**

|  |  |
| --- | --- |
| Requestor:  Sylvester Dsilva | Date:  18– May – 2019 |
| Designation  Sr. Business Analyst | Department  RBL-BSG |

**Approvals**

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

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document/Dept. Owner: | BSG | | | | |
| Created By: | Sylvester Dsilva | | Date: | | 18 – May – 2019 |
| Revised By | | Date Revised | | New Version # | |
| Sylvester Dsilva | | 18/05/2019 | | Initial Version | |
|  | |  | |  | |
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# *Introduction*

*Project - EMIFINANCE*

# *List of API*

*List down the APIs part of the projects:*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Name** | **Description** |
| *1.* | *CC\_EMIFianance* |  |

# *API* *Name*

*To EMIFIN\_onusDebit*

# *Description*

*To. By using to debit the money*

# *Transport protocol (SOAP / REST)*

*REST- key value pair*

# *API Request URLs*

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

# *Request Header Parameters*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** | **Comment** |
| **RequestUUID** | **Unique Request ID for every**  **Request needed for tagging** | **String** | **Length=50** | **Mandatory** |
| **ServiceRequestId** | **Unique ID for the service as**  **shared in the API document** | **String** | **Length=20** | **Mandatory** |
| **ServiceRequestVersion** | **Version of the Service** | **String** | **Length=2** |  |
| **ChannelId** | **Channel ID assinged as per**  **the bank** | **String** | **Length=15** | **Mandatory** |
| **BankId** | **bank ID - Value can be blank**  **but tag should be present** | **String** | **Length=12** |  |
| **TimeZone** | **TimeZone for the calling**  **client** | **String** | **Length=15** |  |
| **MessageDateTime** | **Current TimeStamp in**  **specified format** | **String** | **Length=32** | **Mandatory** |
| **Certificate** |  | **String** |  |  |
| **MessageHashKey** |  | **String** |  |  |
| **MessageIndex** |  | **String** |  |  |
| **UserId** |  | **String** |  |  |
| **Password** |  | **String** |  |  |
| **DeviceFamily** |  | **String** |  |  |
| **DeviceFormat** |  | **String** |  |  |
| **DeviceType** |  | **String** |  |  |
| **DeviceName** |  | **String** |  |  |
| **DeviceIMEI** |  | **String** |  |  |
| **DeviceID** |  | **String** |  |  |
| **DeviceVersion** |  | **String** |  |  |
| **AppVersion** |  | **String** |  |  |
| DeviceOS |  | String |  |  |
| DeviceIp |  | String |  |  |
| SessionId |  | String |  |  |

## Request Body parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** | **Comment** |
| **indicator** | **Indicator Flag** | **Numric** | **Length=2** | **Mandatory** |
| **Cardnumber** | **last 4 digits of Card Number.** | **Numric** | **Length=4** | **Mandatory** |
| **MobileNumber** | **Mobile number of User**  **against the card. Can only be**  **validated along with**  **CardEndDigits Tag** | **Numric** | **Length=12** | **Mandatory** |
| **Rewardpoints** | **reward points to be reedemed** | **Numric** | **Length=12** | **Mandatory** |
| **amount** | **Amount for which customer has to be debited through Onus** | **Numric** | **Length=10** | **Mandatory** |
| **merchant** | **Name of the merchant** | **String** | **Length=100** |  |
| **OTPKey** |  | **Numric** | **Length=** **10** | **Tag is mandatory , value is optional.** |
| **OTPValue** |  |  | **Length=** **10** | **Tag is mandatory , value is optional.** |
| **transactionType** | **Type od transaction** | **String** | **Length=** **5** | **Tag is mandatory , value is optional.** |
| **serviceFlag** | **Hardcoded value as 'A'** | **String** | **Length=** **1** | **Tag is mandatory , value is optional.** |
| **actionCode** | **Action code used for debit** | **String** | **Length=** **1** | **Tag is mandatory , value is optional.y** |
| **mcc** | **Mcc code used for debit** | **String** | **Length=** **4** | **Tag is mandatory , value is optional.** |
| txnDesc | **Description for debit this will be printed in customers statement** | **String** | **Length=** **38** | **Tag is mandatory , value is** |
| **optional** |  |  |  | **Tag is mandatory , value is optional.** |
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## Request Sample1

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|  | | | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | | **Request** |  |  |  |  | |  |  |  |  |  | | { |  |  |  |  | | "EMIFIN\_onusDebit":{ | |  |  |  | | "RequestHeader":{ | |  |  |  | | "MessageKey":{ | |  |  |  | | "RequestUUID":"<RandoUniqueRequest ID>", | | | |  | | "ServiceRequestId":"EMIFIN\_WEB\_ONUS", | | | |  | | "ServiceRequestVersion":"", | | |  |  | | "ChannelId":"BFLP" | |  |  |  | | }, |  |  |  |  | | "RequestMessageInfo":{ | |  |  |  | | "BankId":"", |  |  |  |  | | "TimeZone":"", | |  |  |  | | "MessageDateTime":"" | |  |  |  | | }, |  |  |  |  | | "Security":{ |  |  |  |  | | "Token":{ |  |  |  |  | | "Certificate":"", | |  |  |  | | "MessageHashKey":"", | |  |  |  | | "MessageIndex":"", | |  |  |  | | "PasswordToken":{ | |  |  |  | | "UserId":"", | |  |  |  | | "Password":"" | |  |  |  | | } |  |  |  |  | | } |  |  |  |  | | }, |  |  |  |  | | "DeviceInfo":{ |  |  |  |  | | "DeviceFamily":"", | |  |  |  | | "DeviceFormat":"", | |  |  |  | | "DeviceType":"", | |  |  |  | | "DeviceName":"", | |  |  |  | | "DeviceIMEI":"", | |  |  |  | | "DeviceID":"", | |  |  |  | | "DeviceVersion":"", | |  |  |  | | "AppVersion":"", | |  |  |  | | "DeviceOS":"", | |  |  |  | | "DeviceIp":"" |  |  |  |  | | }, |  |  |  |  | | "AdditionalInfo":{ | |  |  |  | | "SessionId":"" | |  |  |  | | } |  |  |  |  | | }, |  |  |  |  | | "RequestBody":{ | |  |  |  | | "EMIFIN\_onusDebit\_RequestBody":{ | | |  |  | | "indicator":"1", | |  |  |  | | "mobileNumber":"1234567891", | | |  |  | | "Rewardpoints":"", | |  |  |  | | "Merchant":" ", | |  |  |  | | "cardNumber":"1115", | |  |  |  | | "amount":"100", | |  |  |  | | "OTPKey":"468588889864", | | |  |  | | "OTPValue":"123123", | |  |  |  | | "transactionType":"DP", | |  |  |  | | "serviceFlag":"A", | |  |  |  | | "actionCode":"D072", | |  |  |  | | "mcc":"4500", |  |  |  |  | | "txnDesc":"LINK BILLPAY", | | |  |  | | "optional":" " |  |  |  |  | | } |  |  |  |  | | } |  |  |  |  | | } |  |  | | } |  |  | |  |  |  | | | | | | |  |  |
| Request Sample2 | | |  | | | | | |  |  |
|  | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  |  |  | | { |  |  |  |  | | "EMIFIN\_onusDebit":{ | |  |  |  | | "RequestHeader":{ | |  |  |  | | "MessageKey":{ | |  |  |  | | "RequestUUID":"<Random UniqueRequest ID>", | | | |  | | "ServiceRequestId":"EMIFIN\_WEB\_ONUS", | | | |  | | "ServiceRequestVersion":"", | | |  |  | | "ChannelId":"BFLP" | |  |  |  | | }, |  |  |  |  | | "RequestMessageInfo":{ | |  |  |  | | "BankId":"", |  |  |  |  | | "TimeZone":"", | |  |  |  | | "MessageDateTime":"" | |  |  |  | | }, |  |  |  |  | | "Security":{ |  |  |  |  | | "Token":{ |  |  |  |  | | "Certificate":"", | |  |  |  | | "MessageHashKey":"", | |  |  |  | | "MessageIndex":"", | |  |  |  | | "PasswordToken":{ | |  |  |  | | "UserId":"", | |  |  |  | | "Password":"" | |  |  |  | | } |  |  |  |  | | } |  |  |  |  | | }, |  |  |  |  | | "DeviceInfo":{ |  |  |  |  | | "DeviceFamily":"", | |  |  |  | | "DeviceFormat":"", | |  |  |  | | "DeviceType":"", | |  |  |  | | "DeviceName":"", | |  |  |  | | "DeviceIMEI":"", | |  |  |  | | "DeviceID":"", | |  |  |  | | "DeviceVersion":"", | |  |  |  | | "AppVersion":"", | |  |  |  | | "DeviceOS":"", | |  |  |  | | "DeviceIp":"" |  |  |  |  | | }, |  |  |  |  | | "AdditionalInfo":{ | |  |  |  | | "SessionId":"" | |  |  |  | | } |  |  |  |  | | }, |  |  |  |  | | "RequestBody":{ | |  |  |  | | "EMIFIN\_onusDebit\_RequestBody":{ | | |  |  | | "indicator":"2", | |  |  |  | | "mobileNumber":"1234567891", | | |  |  | | "Rewardpoints":"", | |  |  |  | | "Merchant":" ", | |  |  |  | | "cardNumber":"1115", | |  |  |  | | "amount":"100", | |  |  |  | | "OTPKey":"468588889864", | | |  |  | | "OTPValue":"123123", | |  |  |  | | "transactionType":"DP", | |  |  |  | | "serviceFlag":"A", | |  |  |  | | "actionCode":"D072", | |  |  |  | | "mcc":"4500", |  |  |  |  | | "txnDesc":"LINK BILLPAY", | | |  |  | | "optional":" " |  |  |  |  | | } |  |  |  |  | | } |  | | } |  | | } |  | |  |  | | | | | |
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# *Response Header Parameters*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** | **Comment** |
| **RequestUUID** | **Unique Request ID for every**  **Request needed for tagging** | **String** | **Length=50** | **Mandatory** |
| **ServiceRequestId** | **Unique ID for the service as**  **shared in the API document** | **String** | **Length=20** | **Mandatory** |
| **ServiceRequestVersion** | **Version of the Service** | **String** | **Length=2** |  |
| **ChannelId** | **Channel ID assinged as per**  **the bank** | **String** | **Length=15** | **Mandatory** |
| **BankId** | **bank ID - Value can be blank**  **but tag should be present** | **String** | **Length=12** |  |
| **TimeZone** | **TimeZone for the calling**  **client** | **String** | **Length=15** |  |
| **MessageDateTime** | **Current TimeStamp in**  **specified format** | **String** | **Length=32** | **Mandatory** |
| SessionId |  | String |  |  |

## Response Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| **Business Parameter Name** | **Description** | **Parameter Type** | **Parameter Constraints** |
| OTPKey | OTP Key generated for the request | String | Length=12 |
| authId | Debit Authorisation Code | Numeric | Length=20 |
| appReferencenumber | And App Ref Id | Numeric | Length=20 |
| OTPValue | OTP Value generated at customer mobile bumber | String | Length=6 |
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| Response Sample1   |  |  | | --- | --- | |  |  | | { |  | | "EMIFIN\_onusDebit":{ |  | | "ResponseHeader":{ |  | | "MessageKey":{ |  | | "RequestUUID":"<RandomUniqueRequest ID>", | | | "ServiceRequestId":"EMIFIN\_WEB\_ONUS", | | | "ServiceRequestVersion":"", |  | | "ChannelId":"BFLP" |  | | }, |  | | "ResponseMessageInfo":{ |  | | "BankId":"", |  | | "TimeZone":"", |  | | "MessageDateTime":"" |  | | }, |  | | "AdditionalInfo":{ |  | | "SessionId":"" |  | | } |  | | }, |  | | "ResponseBody":{ |  | | "EMIFIN\_onusDebit\_ResponseBody":{ |  | | "OTPKey":"46858345679864", |  | | "authId":"OT429595295940", |  | | "AppReferencenumber":"7640542520520520" | | | } |  | | }, |  | | "Status":{ |  | | "StatusCode":"0", |  | | "ErrorCode":"0", |  | | "ErrorMessage":"SUCCESS", |  | | "DisplayText":" Transaction is Successful" |  | | } |  | | } |  | | } |  | |  |  | |  |  | |  | |
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## Response Sample2

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| --- | --- |
|  |  |
| { |  |
| "EMIFIN\_onusDebit":{ |  |
| "ResponseHeader":{ |  |
| "MessageKey":{ |  |
| "RequestUUID":"<RandomUniqueRequest ID>", | |
| "ServiceRequestId":"EMIFIN\_WEB\_ONUS", | |
| "ServiceRequestVersion":"", |  |
| "ChannelId":"BFLP" |  |
| }, |  |
| "ResponseMessageInfo":{ |  |
| "BankId":"", |  |
| "TimeZone":"", |  |
| "MessageDateTime":"" |  |
| }, |  |
| "AdditionalInfo":{ |  |
| "SessionId":"" |  |
| } |  |
| }, |  |
| "ResponseBody":{ |  |
| "EMIFIN\_onusDebit\_ResponseBody":{ |  |
| "OTPKey":"46858345679864", |  |
| "authId":"OT429595295940", |  |
| "AppReferencenumber":"7640542520520520" | |
| } |  |
| }, |  |
| "Status":{ |  |
| "StatusCode":"0", |  |
| "ErrorCode":"0", |  |
| "ErrorMessage":"SUCCESS", |  |
| "DisplayText":" Transaction is Successful" |  |
| } |  |
| } |  |
| } |  |
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***Response Codes***

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

## Error Codes

|  |
| --- |
| **Warning Message and Description** |
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