BIBD MIB [25]17220 Pentest App Version Bypass Document

(Version 2.0)

**Confidentiality**

This document contains proprietary information that is confidential to Silverlake. Disclosure of this document in full or in part, may result in material damage to Silverlake. Written permission must be obtained from Silverlake prior to the disclosure of this document to third party.

Document Information

|  |  |  |
| --- | --- | --- |
| Document Name | : | BIBD MIB [25]17220 Pentest App Version Bypass |
| Document Code | : |  |
| Document Description | : |  |
| Document Author | : | Teo Wei Sheng |
| Document Category | : |  |
| Date Created | : | 11/07/2025 |
| Date Released | : |  |
| Document Version | : | 2.0 |

Document Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version # | Revised By | Revision Date | Descriptions |
| 1.0 | Teo Wei Sheng | 11/07/2025 | 1. First version of document. |
| 2.0 | Teo Wei Sheng | 28/08/2025 | 1. Updated document |

Document Release History

|  |  |  |
| --- | --- | --- |
| Release # | Release Date | References |
| 1.0 | 22/07/2025 | MIB Front End can integrate for API changes |
| 2.0 | 28/07/2025 | Added new changes |

Document Approval History

|  |  |  |
| --- | --- | --- |
| Name | Designation | Date |
| Nur Azza Syazwany Azizol | Technical Lead / Project Manager | 22/07/2025 |

**Table of Contents**

[1. Overview 6](#_Toc207272065)

[2. Target Audience 7](#_Toc207272066)

[3. BIBD Mobile Banking MiB Web Services 8](#_Toc207272067)

[3.1. Login Authentication 8](#_Toc207272068)

[3.1.1. initKey 8](#_Toc207272069)

[Sample Request 8](#_Toc207272070)

[Response 8](#_Toc207272071)

[Sample Response 8](#_Toc207272072)

[3.1.2. loginInternetPin 9](#_Toc207272073)

[Request 9](#_Toc207272074)

[Sample Android Request 10](#_Toc207272075)

[Sample iOS Request 10](#_Toc207272076)

# Overview

1. This document is to provide the sample of request for Mobile front-end iOS/Android developers to integrate for this new app version flow during login.

# Target Audience

1. Product Management Team
2. Development Team
3. QA / Testing Team
4. Project Management Team
5. System Integration / Implementation Team

# BIBD Mobile Banking MiB Web Services

|  |  |
| --- | --- |
|  |  |
| Web Services Type | SOAP |
| Web Services URL format | http://{URL:Port}/CCMiBWs/MiBWSServices?wsdl |

## Login Authentication

### initKey

New web service for this pentest issue. This web service needs to be called before the following WS to retrieve the RSA key to encrypt the AES key (which is used to encrypt the android/ios field):

1. loginInternetPin
2. validateCardRegistrationV2
3. validateLoginIDCardPin
4. retrieveBibdMobileTC
5. validateMiPayQuickSale
6. performEPayQuickSendCashValidation

Request does not need any fields.

#### Sample Request

|  |
| --- |
| <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:adap="http://adapter.ccmib.micb.silverlake.com/">  <soapenv:Header/>  <soapenv:Body>  <adap:initKey/>  </soapenv:Body>  </soapenv:Envelope> |

Relevant response fields are listed below.

#### Response

|  |  |  |
| --- | --- | --- |
| Field | Type | Remark |
| obHeader | Object |  |
| >id | String | RSA Public Key for front end to encrypt AES key |
| >transactionDate | **String** | **To be appended at the end of app version in loginInternetPin “|<transactionDate>”** |

#### Sample Response

|  |
| --- |
| <soap:envelope xmlns:ns2="http://adapter.ccmib.micb.silverlake.com/" xmlns:ns3="http://www.daon.com/ws/de" xmlns:ns4="http://www.daon.com/ws/identityx" xmlns:ns5="http://webservice.nextstorm.silverglobe.com/" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">  <soap:body>  <ns2:initkeyresponse xmlns="">  <return>  <obheader>  <id>  MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAoIGIALLUpcRnvHShQXk27X0aC+10NYsM Jj4N18qgTCxeCeqkBRDLzF3LZOEHfEwSDwy+vR5pxzIHsmWu2nwQuP3S8joZPvcCRNHUg8WsYTPT q6SvmPVTEcRbxRPR9SajjYVPVDYMw68aMc7koVTDFttspFwAmRdIBSwNM4GI35ugHfGb+F++eCxA k8EosaJwwsuEUtcpyMq1xlZzgVm331i9BEUCDt2tRMotg/pJiTOSvJjGw0S8A3ORA+NTRvRWWATi TiV/iH/pYVga5qpTtisQsLHinzO1ZxS9KFwIxR5JSJudU/sQ9hd1n81R913w3EJLfCn7fV3b6UAc gBeanwIDAQAB  </id>  <statuscode>  0000000  </statuscode>  <statusmessage>  Success  </statusmessage>  <transactiondate>  20250828104549  </transactiondate>  </obheader>  <keychain>  false  </keychain>  </return>  </ns2:initkeyresponse>  </soap:body>  </soap:envelope> |

### loginInternetPin

Existing web service for login internet pin

#### Request

|  |  |  |  |
| --- | --- | --- | --- |
| Field | Type | ? | Remark |
| ios | String | N | Y for **iOS** app. Encrypted BAU app version appended with transaction date  i.e. **{encryptedAppVersionString}|transactionDate**  Example: 3.9.15|transactionDate |
| android | String | N | Y for **Android** app. Encrypted BAU app version appended with transaction date  i.e. **{encryptedAppVersionString}|transactionDate**  Example: 3.9.15|transactionDate |
| encData | String | Y | Encrypted AES key |

\*Follow the same method as AP-15993

Other fields remain the same

#### Sample Android Request

|  |
| --- |
| <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:adap="http://adapter.ccmib.micb.silverlake.com/">  <soapenv:Header/>  <soapenv:Body>  <adap:loginInternetPin>  <loginID>RASUKAN</loginID>  <internetPin>111111</internetPin>  **<android></android>**  **<encdata></encData>**  </adap:loginInternetPin>  </soapenv:Body>  </soapenv:Envelope> |

#### Sample iOS Request

|  |
| --- |
| <soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:adap="http://adapter.ccmib.micb.silverlake.com/">  <soapenv:Header/>  <soapenv:Body>  <adap:loginInternetPin>  <loginID>RASUKAN</loginID>  <internetPin>111111</internetPin>  **<ios></ios>**  **<encdata></encData>**  </adap:loginInternetPin>  </soapenv:Body>  </soapenv:Envelope> |

\*No changes to BAU response