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| **Agrobank**  Internet Banking |
| Test Script – Takaful Enhancement Back End Engine |

Version 1.0

07th January 2016

**Prepared By:**



Penril Datability (M) Sdn Bhd (816792-X)

Suite A-07-07 Plaza Mon’t Kiara

No. 2, Jalan Kiara, Mon’t Kiara

50480 Kuala Lumpur, Malaysia

Tel: (603) 6201 2622Fax: (603) 6201 7622

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## Document Amendment

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| --- | --- | --- | --- | --- |
| **Rev. No** | **Date Updated** | **Description Of Change** | **Updated By**  **<Name, Dept>** | **Reviewed By**  **<Name, Dept>** |
| 1.0 | 09/01/2017 | Updated on Enhancement – Backend Engine | Siti Norahayu Binti Mohd Desa  QA Executive | Norhaidah Dasuki  Senior Manager |

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## Introduction

### Purpose

This document describes the Test Script for the Change request for Takaful backend engine in Business Internet Banking (BIB)

### Scope

Test on this instance:  <https://172.16.50.27/bib.sit.takaful.eng/common/Login.do>

The scope of the test specification covers backend engine testing of following function in Agrobank:

1. Allow user at IBAM to change the BIB transaction status from Pending to Rejected
2. Changes will be done at the Internet Banking Application Manager [IBAM]
3. All related module such as Audit Trail, Maker Checker Maintenance, Admin User Profile Maintenance, and Authorization will be add accordingly.

|  |  |  |
| --- | --- | --- |
| **Category** | **Module** | **Functionality/Interface** |
| **Single User** | Takaful Purchase | 1. Personal Takaful Bulk Confirm Page |
| **Multiple User (Approver)** | Authentication | 1. Confirm Page |

**Section A: System Test Plan**

### SIT Test Schedule

Commencement Date : <//>

Completion Date : <//>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Monday  <11/01/2017> | Friday  <9/9/2016> | Monday  <12/9/2016> | Tuesday <13/9/2016> | Wednesday  <14/9/2016> |
|  |  |  |  |  |
| Thursday  <15/9/2016> | Friday  <16/9/2016> | Monday  <19/9/2016> | Tuesday  <20/9/2016> |  |
|  |  |  |  |  |

\*\*The readiness on the UAT is also dependency to the completeness of this SIT phase.

### Test Environment

|  |  |  |
| --- | --- | --- |
| Test Region | : | SIT Environment |
| Instance Testing | : | BIB - [https://172.16.50.27/bib.sit.takaful.eng/common/Login.do] |
| Problem Log | : | QA to consolidate create on Issue Log via Redmine and reported to related SD for fixing immediately. |

### Test Scenario

The test scenarios are logical groupings of test cases which are to be executed as part of the test plan are detailed in Section A as below:

**Section B: System Test Script**

## System Test Sequences

1. The tables in this deliverable contain sample data that should be used as an example only. Remove all sample data before completing your final deliverable.

| Item | Module | System Test | Description | Tester | Test Cases | Test Status | Test Start Date | Test End Date | Notes |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |
| 1. | **BIB (Single User)** | | | | | | | | |
| 1.1 | Takaful | Backend Engine Verification | To verify / response on uploaded Takaful document. | Ayu |  | Open | 11/1/2017 |  |  |
| 1.2 | Takaful | Comfort Test - Purchase Takaful Kasih | To test on Upload Bulk File to BIB System | Ayu | 8 | Open | 11/1/2017 |  | 1 test case fail – At Takaful History, status still displays “Pending” status. |
| 2 | **BIB (Multiple User)** | | | | | | | | |
| 2.1 | Takaful | Backend Engine Verificatiom | To verify / response on uploaded Takaful document. | Ayu |  | Open | 11/1/2017 |  |  |
| 2.2 | Takaful (Initiator) | Comfort Test - Purchase Takaful Kasih | To test on Upload Bulk File to BIB System | Ayu | 6 | Closed | 11/1/2017 | 16/1/2017 |  |
| 2.3 | Authorization - Takaful | Comfort Test on Takaful Authentication | To verify transaction | Ayu | 12 | Open |  |  |  |

## Business Internet Banking (Single User)

### System Test Specifications < Backend Engine Verification>

| Case No. | Test Description | Action or Path | Test Step Details | Expected Results | Status  (Pass/Fail) | Remarks |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| 1.1.1 | To test on Takaful Back Engine  - IC Numbe not Numeric | ***D:/IBM/WebSphere/AppServer/profiles/***  ***AppSrv01/logs/ib/takafulBulk/***  ***TAKAFUL\_PROCESS\_ERROR.log*** | Upload file with below:-   1. Enter “ABC123#” to IC number | 1. Run Takaful Bulk Engine 2. After click on “Confirm” button, system will display“IC NUMBER IS NOT NUMERIC” in the Takaful process error log |  |  |
| **Screenshot** | | | | | |
| 1.1.2 | To test on Takaful Back Engine  - Null Value | ***D:/IBM/WebSphere/AppServer/profiles/***  ***AppSrv01/logs/ib/takafulBulk/***  ***TAKAFUL\_PROCESS\_ERROR.log*** | Upload file with below:-  Enter “empty field” to the required field.   * 1. IC number   2. Customer Name   3. Telephone Number   4. Date of Birth   5. Nama Penama | 1. Run Takaful Bulk Engine 2. After click on “Confirm” button, system will display“MANDATORY FIELDS IS EMPTY”. |  |  |
| **Screenshot** | | | | | |
| 1.1.3 | To test on Takaful Back Engine  - Duplicate IC | ***D:/IBM/WebSphere/AppServer/profiles/***  ***AppSrv01/logs/ib/takafulBulk/***  ***TAKAFUL\_PROCESS\_ERROR.log*** | Upload file with below:-   1. Enter “Same IC” to IC number | 1. Run Takaful Bulk Engine 2. After click on “Confirm” button, system will display “DUPLICATE IC”. |  |  |
| **Screenshot** | | | | | |

### System Test Specifications < Comfort Test Takaful Purchase for Single User >

| Case No. | Test Description | Action or Path | Test Step Details | Expected Results | Status  (Pass/Fail) | Remarks |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| 1.2.1 | To test Personal Takaful Bulk Upload | ***Agro-BIB > Takaful> Takaful Purchase*** | 1. Login BIB as Single User: abdullah3 2. Password : agro6666   Purchase Takaful Kasih Page:  **Perform Personal Takaful Bulk**   1. Click on “Takaful Purchase” navigation 2. On the “Takaful Purchase” menu, click on the “Purchase Takaful Kasih” navigation 3. Click on “OK” button at Takaful Plan Alert box 4. Choose on “Product” dropdown navigation. 5. Choose on “Takaful Plan” dropdown navigation. 6. Click on “Next” button | 1. After click on “Next” button, system will display **Personal Takaful Bulk details** page. | Pass |  |
| 1.2.2 | **Personal Takaful Bulk Details Page** | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk*** | 1. Choose on “From Account” dropdown navigation. 2. Click on “Browse” button to upload bulk file. 3. Enter the “Total No. of Participants”. 4. Clicks on “Next” button or   Clicks on “Back” button | 1. After click on “Next” button, system will display **Personal Takaful Bulk Confirmation** page. | Pass |  |
| 1.2.3 | **Personal Takaful Bulk Details Page** *-Does not enter the total no. of participants***.** | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk*** | 1. Choose on “From Account” dropdown navigation. 2. Unclick on “Choose File” button. 3. Does not enter the “Total No. of Participants”. 4. Clicks on “Next” button or 5. Clicks on “Back” button | Error Message  < Total No. of Participants is required> | Pass |  |
| **Screenshot** | | | | | | |
| 1.2.4 | **Personal Takaful Bulk Details Page –***Attached other than Excel file type* | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk*** | 1. Choose “From Account” dropdown navigation. 2. Click on “Choose File” button to attach other than Excel file type. 3. Enter the “Total No. of Participants”. 4. Clicks on “Next” button or   Clicks on “Back” button | Error Message  < Invalid File type> | Pass |  |
| **Screenshot** | | | | | | |
| 1.2.5 | **Personal Takaful Bulk Details Page –***The total no. of participants does not equal to the number entered on the file.* | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk*** | 1. Choose on “From Account” dropdown navigation. 2. Click on “Choose File” button to attached bulk file. 3. Enter the different no. on “Total No. of Participants”. 4. Clicks on “Next” button or   Clicks on “Back” button | Error Message  < Number of participant not same with File uploaded > | Pass |  |
| **Screenshot** | | | | | | |
| 1.2.6 | **Personal Takaful Bulk Confirmation Page** | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk > Result Page.*** | 1. Enter “Security Token PIN Number” 2. Click on “Confirm” button. | 1. After click on “Confirm” button, system will display **Personal Takaful Bulk Result** page with **PENDING** status. | Pass |  |
| **Screenshot** | | | | | | |
| 1.2.7 | **Takaful History** | ***Agro-BIB > Takaful > Takaful History*** |  | 1. After backend engine have been run, status will return as **SUCCESSFUL** or **UNSUCCESSFUL** | Fail | After backend engine have been run – Status not change.  Log in #6989 |
| **Screenshot** | | | | | | |
| 1.2.8 | **AgroNet Transaction History** | ***Agro-BIB > Account & Banking > AgroNet Transaction History*** |  |  |  |  |
| **Screenshot** | | | | | | |

## Business Internet Banking (Multiple User)

### System Test Specifications < Backend Engine Verification for Initiator>

| Case No. | Test Description | Action or Path | Test Step Details | Expected Results | Status  (Pass/Fail) | Remarks |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| 2.1.1 | To test on Takaful Back Engine  - IC Numbe not Numeric | ***D:/IBM/WebSphere/AppServer/profiles/***  ***AppSrv01/logs/ib/takafulBulk/***  ***TAKAFUL\_PROCESS\_ERROR.log*** | Initiator - Upload file with below:-   1. Enter “ABC123#” to IC number | 1. Run Takaful Bulk Engine 2. After click on “Confirm” button, system will display“IC NUMBER IS NOT NUMERIC” in the Takaful process error log |  |  |
| **Screenshot** | | | | | |
| 2.1.2 | To test on Takaful Back Engine  - Null Value | ***D:/IBM/WebSphere/AppServer/profiles/***  ***AppSrv01/logs/ib/takafulBulk/***  ***TAKAFUL\_PROCESS\_ERROR.log*** | Initiator - Upload file with below:-  Enter “empty field” to the required field.   1. IC number 2. Customer Name 3. Telephone Number 4. Date of Birth 5. Nama Penama | 1. Run Takaful Bulk Engine 2. After click on “Confirm” button, system will display“MANDATORY FIELDS IS EMPTY”. |  |  |
| **Screenshot** | | | | | |
| 2.1.3 | To test on Takaful Back Engine  - Duplicate IC | ***D:/IBM/WebSphere/AppServer/profiles/***  ***AppSrv01/logs/ib/takafulBulk/***  ***TAKAFUL\_PROCESS\_ERROR.log*** | Initiator - Upload file with below:-   1. Enter “Same IC” to IC number | 1. Run Takaful Bulk Engine 2. After click on “Confirm” button, system will display “DUPLICATE IC”. |  |  |
| **Screenshot** | | | | | |

### System Test Specifications < Comfort Test Takaful Purchase for Intiator>

| Case No. | Test Description | Action or Path | Test Step Details | Expected Results | Status  (Pass/Fail) | Remarks |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
| 2.2.1 | To test on Takaful Back Engine | ***Agro-BIB > Takaful> Takaful Purchase*** | 1. Login BIB as Initiator: rahmanco3 2. Password : agro1111   Purchase Takaful Kasih Page:  **Perform Personal Takaful Bulk**   1. Click on “Takaful Purchase” navigation 2. On the “Takaful Purchase” menu, click on the “Purchase Takaful Kasih” navigation 3. Click on “OK” button at Takaful Plan Alert box 4. Choose on “Product” dropdown navigation. 5. Choose on “Takaful Plan” dropdown navigation. 6. Click on “Next” button | 1. After click on “Next” button, system will display **Personal Takaful Bulk details** page. | Pass |  |
| 2.2.2 | **Personal Takaful Bulk Details Page** | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk*** | 1. Choose on “From Account” dropdown navigation. 2. Click on “Browse” button to upload bulk file. 3. Enter the “Total No. of Participants”. 4. Clicks on “Next” button or   Clicks on “Back” button | 1. After click on “Next” button, system will display **Personal Takaful Bulk Confirmation** page. | Pass |  |
| 2.2.3 | **Personal Takaful Bulk Details Page** *-Does not enter the total no. of participants***.** | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk*** | 1. Choose on “From Account” dropdown navigation. 2. Unclick on “Choose File” button. 3. Does not enter the “Total No. of Participants”. 4. Clicks on “Next” button or 5. Clicks on “Back” button | Error Message  < Total No. of Participants is required> | Pass |  |
| **Screenshot** | | | | | | |
| 2.2.4 | **Personal Takaful Bulk Details Page –***Attached other than Excel file type* | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk*** | 1. Choose “From Account” dropdown navigation. 2. Click on “Choose File” button to attach other than Excel file type. 3. Enter the “Total No. of Participants”. 4. Clicks on “Next” button or   Clicks on “Back” button | Error Message  < Invalid File type> | Pass |  |
| **Screenshot** | | | | | | |
| 2.2.5 | **Personal Takaful Bulk Details Page –***The total no. of participants does not equal to the number entered on the file.* | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk*** | 1. Choose on “From Account” dropdown navigation. 2. Click on “Choose File” button to attached bulk file. 3. Enter the different no. on “Total No. of Participants”. 4. Clicks on “Next” button or   Clicks on “Back” button | Error Message  < Number of participant not same with File uploaded > | Pass |  |
| **Screenshot** | | | | | | |
| 2.2.6 | **Personal Takaful Bulk Confirmation Page** | ***Agro-BIB > Takaful > Takaful Purchase > Takaful Bulk > Result Page.*** | ***Result Page.***   1. Click on “Confirm” button. | 1. After click on “Confirm” button, system will display **Personal Takaful Bulk Result** page with **PENDING APPROVAL** status. | Pass |  |
| **Screenshot** | | | | | |

### System Test Specifications < Comfort Test on Takaful Authentication >

| Case No. | | Test Description | | Action or Path | | Test Step Details | | Expected Results | | Status  (Pass/Fail) | Remarks |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | |  | |  | |  | |  |  |
| 2.3.1 | | **To view Authorization list** | | ***BIB >Authorization*** | | 1. Login BIB as Approver: approvertest2 2. Password : aaaa1111   Authorization Page:  **Approve/Reject transaction**   1. Click on **“Authorization”** navigation | | 1. After click on “IB Reference No”, system will display **Personal Takaful Purchase** page. | | Pass |  |
| 2.3.2 | | **To Authorize Takaful payment** | | ***BIB >Authorization*** | | Authorization Page:  **Approve/Reject transaction**   1. Click On Personal Takaful purchase “**IB Reference No**” hyperlink 2. Choose “**Approver Status**” 3. Enter “**Remarks**” 4. Enter “**Security Token PIN**” 5. Click “**Confirm**” button 6. Click “**Cancel**” button 7. Click “**Clear**” button | | 1. Display result page with Takaful Payment’s details 2. Display APPROVED / REJECTED status of the payment 3. If Authorization need more than 2 Approver, system will display as PENDING APPROVAL with pending X approver (s)   If click Cancel:  Will go back to previous page  If click Clear:  Page will clear all the field | |  |  |
| **Screenshot**  **> Approval Matrix – 1 Approver**  <screenshot>  **> Approval Matrix – More than 1** | | | | | | | | | | | |
| 2.3.3 | | **Authorize Takaful payment –** *File in Pending Status*  *or file rejected by system for below reason:-*   * *Duplicated IC Number (if have 2 user in same file)* * *if user already purchased* * *Invalid Maturity date* | | ***BIB > Authorization>* Takaful *Payment*** | | 1. Click On Takafulpayment “**IB Reference No**” hyperlink 2. Select “**Approver Status**” 3. Enter “**Remarks**” 4. Enter Security Token PIN several times 5. Click “**Confirm**” button | | Error Message:  <Your file is not ready for processing> | |  |  |
| 2.3.4 | | **Authorize Takaful payment –** *Unselect and unfilled required field* | | ***BIB >Authorization>* Takaful *Payment*** | | 1. Click On Takaful payment “**IB Reference No**” hyperlink 2. Unselect “**Approver Status**” 3. Enter “**Remarks**” 4. Enter ” “ to “**Security Token PIN**” 5. Click “**Confirm**” button | | Error Message:  < Approver Status is required.>  <Security Token PIN is required.> | |  |  |
| 2.3.5 | | **Authorize Takaful payment –** *Fill in Security Token PIN with other than numeric* | | ***BIB >Authorization>* Takaful *Payment*** | | 1. Click On Takafulpayment “**IB Reference No**” hyperlink 2. Select “**Approver Status**” 3. Enter “**Remarks**” 4. Enter “123$%^” to “**Security Token PIN**” 5. Click “**Confirm**” button | | Error Message:  <Security Token PIN must be numeric.> | |  |  |
| 2.3.6 | | **Authorize Takaful payment –** *Fill in Security Token PIN less than 6 digits* | | ***BIB >Authorization>* Takaful *Payment*** | | 1. Click On Takafulpayment “**IB Reference No**” hyperlink 2. Unselect “**Approver Status**” 3. Enter “**Remarks**” 4. Enter “1234” to “**Security Token PIN**” 5. Click “**Confirm**” button | | Error Message:  <Security Token PIN must consist of 6 digits.> | |  |  |
| 2.3.7 | | **Authorize Takaful payment –** *Fill in invalid Security Token PIN* | | ***BIB >Authorization>* Takaful *Payment*** | | 1. Click On Takafulpayment “**IB Reference No**” hyperlink 2. Unselect “**Approver Status**” 3. Enter “**Remarks**” 4. Enter invalid Security Token PIN to “**Security Token PIN**” 5. Click “**Confirm**” button | | Error Message:  <Invalid Security Token PIN.> | |  |  |
| 2.3.8 | | **Authorize Takaful payment –** *Fill in an expired/no longer valid Security Token PIN* | | ***BIB >Authorization>* Takaful *Payment*** | | 1. Click on **“Authorization”** navigation 2. Click On Takafulpayment “**IB Reference No**” hyperlink 3. Unselect “**Approver Status**” 4. Enter “**Remarks**” 5. Enter expired/invalid Security Token PIN to “**Security Token PIN**” 6. Click “**Confirm**” button | | Error Message:  <Security Token PIN is expired.> | |  |  |
| 2.3.9 | | **Authorize Takaful payment –** *Reach maximum length of attempt.* | | ***BIB >Authorization>* Takaful *Payment*** | | 1. Click On Takafulpayment “**IB Reference No**” hyperlink 2. Select “**Approver Status**” 3. Enter “**Remarks**” 4. Enter Security Token PIN several times 5. Click “**Confirm**” button | | Error Message:  < Your Account has been locked. Please call Agro Bank’s Call Centre.> | |  |  |
| 2.3.10 | | **Authorize Takaful payment –** *Fill in an expired/no longer valid Security Token PIN* | | ***BIB >Authorization>* Takaful *Payment*** | | 1. Click on **“Authorization”** navigation 2. Click On Takafulpayment “**IB Reference No**” hyperlink 3. Unselect “**Approver Status**” 4. Enter “**Remarks**” 5. Enter expired/invalid Security Token PIN to “**Security Token PIN**” 6. Click “**Confirm**” button | | Error Message:  <Security Token PIN is expired.> | |  |  |
| 2.3.11 | **Takaful History** | | ***Agro-BIB > Takaful > Takaful History*** | |  | | 1. After backend engine have been run, status will return as **SUCCESSFUL** or **UNSUCCESSFUL** | |  | |  |
| **Screenshot** | | | | | | | | | | | |
| 2.3.12 | **AgroNet Transaction History** | | ***Agro-BIB > Account & Banking > AgroNet Transaction History*** | |  | |  | |  | |  |
| **Screenshot** | | | | | | | | | | | |

**Issue Log**

| Redmine ID | Log Date | System | Defect Description | Resolution | Re-Test By | Re-Test Date | Pass/Fail | Status  (open, closed, in process) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
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## Open Issues for This Deliverable

Add open issues that you identify while writing or reviewing this document to the open issues section. As you resolve issues, move them to the closed issues section and keep the issue ID the same. Include an explanation of the resolution.  
  
When this deliverable is complete, any open issues should be transferred to the project- or process-level Risk and Issue Log (PJM.CR.050) and managed using a project level Risk and Issue Form (PJM.CR.050). In addition, the open items should remain in the open issues section of this deliverable, but flagged in the resolution column as being transferred.

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
| --- | --- | --- | --- | --- | --- |
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