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**Business Rules**

Revision History

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| V1 | 10-Sep-2020 | Business Rules | FSD | Kushala. N |
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Reviewers

The following individuals have reviewed the business requirements on the date indicated.

|  |  |  |  |
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| Product Manager | Venugopala K | Venugopala | 12- Sep-2020 |
| Product Manager | Venugopala K | Venugopala | 24- Sep-2020 |
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Approvers

The following individuals have reviewed the business requirements on the date indicated.

|  |  |  |  |
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# 1.Business Rules -

## Introduction

This FSD briefs about Business Rules in GLOW Application, Stage and Activity wise.

## Business Requirement

Business requirement asks for certain Business Rules Process Flow wise

## Purpose

The purpose of drafting this requirement is to provide functional specification for the aforesaid requirement.

## Functionality

***Process Flow – Rule details***

***Note:***

* Pre -Rule: The Rule will be triggered before the completion of the Stage
* Post – Rule: The Rule will be triggered while completing the Stage

***New Center New Member***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Rule Function | Stage | Activity | Pre  Rule | Post  Rule |
| 1 | [Mobile Verification](#_Mobile_Verification) | Application | Profile Short | Yes |  |
| 2 | [KYC ID Verification](#_KYC_ID_Verification) (PAN/Voter) | Application | Profile Short | Yes |  |
| 3 | [POS Check](#_POS_Check) | Application | CB check |  | Yes |
| 4 | [Other MFI Check](#_Other_MFI_Check) | Application | CB check |  | Yes |
| 5 | [Own MFI Check](#_Own_MFI_check) | Application | CB check |  | Yes |
| 6 | [Write off Check](#_Write_off_Check) | Application | CB check |  | Yes |
| 7 | [Default Check](#_Default_Check) | Application | CB check |  | Yes |
| 8 | [Urban/Rural Income Check](#_Urban_/Rural_Income) | Application | Profile Detail | Yes |  |
| 9 | [Bank Account Number Verification (Bene Check)](#_Bank_Account_Number) | Application | Profile Detail | Yes |  |
| 10 | [GPS Comparison](#_GPS_Comparison) | Appraisal | House Visit |  | Yes |
| 11 | [CIF Generation](#_CIF_Generation) | Appraisal | BR.Net Submission | Yes |  |
| 12 | Pre [Disbursement Document Check Rule](#_Disbursement_Rule) | Disbursement Pending | NA | Yes |  |
| 13 | [Loan Classification status Check Rule](#_Loan_Classification_Status) | Application | Profile Short,  Profile Detail | Yes |  |
| 14 | [Expense Check](#_Expense_Check) | Application | Profile Detail | Yes |  |

***Existing Center New Member***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Rule Function | Stage | Activity | Pre  Rule | Post  Rule |
| 1 | [Mobile Verification](#_Mobile_Verification) | Application | Profile Short | Yes |  |
| 2 | [KYC ID Verification](#_KYC_ID_Verification) (PAN/Voter) | Application | Profile Short | Yes |  |
| 3 | [POS Check](#_POS_Check) | Application | CB check |  | Yes |
| 4 | [Other MFI Check](#_Other_MFI_Check) | Application | CB check |  | Yes |
| 5 | [Own MFI Check](#_Own_MFI_check) | Application | CB check |  | Yes |
| 6 | [Write off Check](#_Write_off_Check) | Application | CB check |  | Yes |
| 7 | [Default Check](#_Default_Check) | Application | CB check |  | Yes |
| 8 | [Urban/Rural Income Check](#_Urban_/Rural_Income) | Application | Profile Detail | Yes |  |
| 9 | [Bank Account Number Verification (Bene Check)](#_Bank_Account_Number) | Application | Profile Detail | Yes |  |
| 10 | [Number of Active Loans Check](#_Number_of_Active) | Application | Profile Short | Yes |  |
| 11 | [LUC of Last Cycle Loan](#_LUC_of_Last) | Application | Profile Short |  | Yes |
| 12 | [CIF Generation](#_CIF_Generation) | Appraisal | BR.Net Submission | Yes |  |
| 13 | Pre [Disbursement Document Check Rule](#_PDD_Rule) | Disbursement Pending | NA | Yes |  |
| 14 | [Loan Classification status Check Rule](#_Loan_Classification_Status) | Application | Profile Short,  Profile Detail | Yes |  |
| 15 | [Expense Check](#_Expense_Check) | Application | Profile Detail | Yes |  |
| 16 | [GPS Comparision](#_GPS_Comparison) | Appraisal | House Visit |  | Yes |

***Existing Center Existing Member***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Rule Function | Stage | Activity | Pre  Rule | Post  Rule |
| 1 | [Mobile Verification](#_Mobile_Verification) | Application | Profile Short | Yes |  |
| 2 | [KYC ID Verification](#_KYC_ID_Verification) (PAN/Voter) | Application | Profile Short | Yes |  |
| 3 | [POS Check](#_POS_Check) | Application | CB check |  | Yes |
| 4 | [Other MFI Check](#_Other_MFI_Check) | Application | CB check |  | Yes |
| 5 | [Own MFI Check](#_Own_MFI_check) | Application | CB check |  | Yes |
| 6 | [Write off Check](#_Write_off_Check) | Application | CB check |  | Yes |
| 7 | [Default Check](#_Default_Check) | Application | CB check |  | Yes |
| 8 | [Urban/Rural Income Check](#_Urban_/Rural_Income) | Application | Profile Detail | Yes |  |
| 9 | [Bank Account Number Verification (Bene Check)](#_Bank_Account_Number) | Application | Profile Detail | Yes |  |
| 10 | [Number of Active Loans Check](#_Number_of_Active) | Application | Profile Short | Yes |  |
| 11 | [LUC of Last Cycle Loan](#_LUC_of_Last) | Application | Profile Short |  | Yes |
| 12 | Pre [Disbursement Document Check Rule](#_PDD_Rule) | Disbursement Pending | NA | Yes |  |
| 13 | [Loan Classification status Check Rule](#_Loan_Classification_Status) | Application | Profile Short,  Profile Detail | Yes |  |
| 14 | [Expense Check](#_Expense_Check) | Application | Profile Detail | Yes |  |

### Mobile Verification

This Rule will be configured for all the Process Flows.

In GLOW application once mobile number is entered in mobile number field “Verify” option should be enabled in profile short activity for Verifying the entered mobile number.

Upon click on verify option, a pop screen will be displayed in which user should enter valid OTP number, if OTP is valid Mobile number will be verified.

* Business Rule will be configured at ***Application Stage*** in ***Profile short*** activity
* Rule will be configured as ***Pre-Rule***
* Rule will be ***Non-Overridable***
* If Mobile Number is verified Rule will be **Passed** else Rule will be **Failed**.

### KYC ID Verification (PAN ID/Voter ID/Aadhar)

This Rule will be configured for all the Process Flows.

In GLOW application at **Application Stage (profile Short Activity)**, when user enters KYC details and save then this rule will be triggered.

* Rule will be configured as **Post-Rule**
* Rule will be **Non-Overridable**
* If there are any mis match/in valid KYC ID, then Rule will **Fail**.
* If there is no mis match/valid KYC ID entered, then Rule will **Pass.**

1. Verification/Validation will be done through Integration

### CB Rules

#### POS Check

POS should be less than or Equal to Defined/Configured Amount including the Utkarsh Loan amount.

The total Amount customer has availed from any of the financial institutes, including the Utkarsh Loan amount can be equal to or less than ***Defined/Configured Amount***, If more than ***Defined/Configured Amount*** then the CB rule of POS check will fail.

This Rule will be configured for ***all the Process Flows.***

* Rule will be configured as ***Post-Rule***
* Rule will be ***Non-Overridable/can be Justified***

1. Utkarsh team to provide the POS Limit

#### Other MFI Check

Number of Active Loans in Other MFI/NBFC/Bank should not be >2 MFI

The customer availed loans from any of the financial institutes, ***Excluding*** the Utkarsh should not have availed loan more than 2 MFI/FI, if more than 2 MFI/FI then the CB rule of MFI Check will fail

This Rule will be configured for all the Process Flows.

* Rule will be configured as ***Post-Rule***
* Rule will be ***Non-Overridable/can be Justified***

#### Own MFI check

Number of Active Loans in Utkarsh

The Customer availed loans from utkarsh should not be More than ***1 swachhata and 1 core loan*** totally customer can have 2 loans, while projecting new loan for the customer, if it more than 1 swachhata (or) 1 core loan then Rule will fail

This Rule will be configured for ***all the Process Flows.***

* Rule will be configured as ***Post-Rule***
* Rule will be ***Non-Overridable/can be Justified***

***Scenario:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Running Core Loan | Running Swachhata Loan | New Core Loan Projection | New Swachhata Loan Projection | Rule Status |
| Yes | Yes | No | No | Pass |
| Yes | No | No | No | Pass |
| Yes | No | No | Yes | Pass |
| Yes | No | Yes | No | Fail |
| Yes | Yes | Yes | No | Fail |
| Yes | Yes | No | Yes | Fail |

#### Write off Check

No written off accounts

The customer availed loans from any of the financial institutions, should not have any written off accounts, if customer has any of the written off account then CB rule of MFI Check will fail

This Rule will be configured for all the Process Flows.

* Rule will be configured as ***Post-Rule***
* Rule will be ***Non-Overridable/can be Justified***

#### Default Check

No overdue accounts/defaults Accounts

The customer availed loans from any of the financial institutions, should not have any overdue accounts if any overdue account is there than amount should not be more than **defined/Configured amount,** if it is more than **defined/Configured amount** then CB rule of MFI check will fail

1. Overdue Limit to be provided form Utkarsh Team

This Rule will be configured for all the Process Flows.

* Rule will be configured as ***Post-Rule***
* Rule will be ***Non-Overridable/ can be Justified***

### Urban /Rural Income Check

This Rule will be configured for all the Process Flows.

This Rule should check Minimum Income limit for the Urban and Rural Customers based on the configuration, If defined limit is not met then rule should fail

Urban and Rural differentiation will be done at client level.

1. Urban and Rural Income Minimum Limit to be provided by Utkarsh Team

* Business Rule will be configured in ***Application Stage*** at ***Profile Detail*** activity
* Rule will be configured as **Pre-Rule**
* Rule will be **Non-Overridable**

### Bank Account Number Verification (Bene Check)

This Rule will be configured for all the Process Flows.

The new Business rule is to confirm whether entered Account Number is Valid or not

In Profile Detail, when user enters the bank details and save, after saving the bank details **Account Validation API will call** to verify the account number.

The Rule must be **Failed** in case of invalid account number, to pass the rule again user should enter the bank details (account number) in bank details tab and save the details.

* Business Rule will be configured in ***Application Stage*** at ***Profile Detail*** activity
* Rule will be configured as ***Pre-Rule***
* Rule will be ***Non-Overridable***

1. Bank account number verification for Internal and External Accounts will be through CBS and but for External Accounts 1 Rupee transaction verification will be done.

### GPS Comparison

This Rule will be configured only for “New Center New Member” and “Existing Center New Member” Process Flow.

The Rule should check GPS location captured by CO and BM is less than or equal to 100 Meters, if GPS location captured is not matching then Rule should Fail.

* Business Rule will be configured in ***Appraisal Stage*** at ***House Visit*** activity
* Rule will be configured as ***Post-Rule***
* Rule will be ***Non-Overridable***

### CIF Generation

This Rule will be configured only for “New Center New Member and Existing Center New Member” Process Flow.

The Rule should check CIF ID has been created/Generated for the customer at BR.Net Submission Stage.

Initially Rule status for CIF ID generation will be failed and will be Passed automatically once after CIF ID generation.

* Rule will be configured as ***Pre-Rule***
* Rule will be ***Non-Overridable***

### Number of Active Loans Check

This Rule will be configured only for “Existing Center New Member and Existing Center Existing Member” Process Flow.

The rule should check customer has any ***active loan accounts in Utkarsh***, if customer is having loan accounts in ***running status for core loan*** while disbursing the New Loan then rule will fail

* Business Rule will be configured in ***Disbursement Pending*** Stage.
* Rule will be configured as ***Pre-Rule***
* Rule will be ***Non-Overridable***
* Rule will get passed automatically for New Members in Existing Center New Member process flow

### LUC of Last Cycle Loan

This Rule will be configured only for “Existing Center New Member and Existing Center Existing Member” Process Flow.

The rule should validate Loan Utilization Check is done for customer Last disbursed loan, if LUC is not done then rule should fail

* Business Rule will be configured in ***Application stage*** at ***Profile short*** Activity.
* Rule will be configured as ***Post-Rule***
* Rule will be ***Non-Overridable***
* Rule will get passed automatically for New Members in Existing Center New Member process flow

### Pre-Disbursement Document Check Rule

This Rule will be configured for all the Process Flows.

The rule should check if the Pre-Disbursement Documents have been uploaded for the customer Loan Applications and Disbursement Approval has been done by BM/ABM prior to the Disbursement.

If the above condition has been met, the Rule should ***Pass*** else the Rule should ***Fail*** there by blocking further processing of the Application (i.e. Disbursement).

* Business Rule will be configured at ***Disbursement Pending*** Stage
* Rule will be configured as a ***Pre-Rule***
* Rule will be ***Non-Overridable***

### Loan Classification Status Check Rule

This Rule will be configured for all the Process Flows.

The rule should check if customer is having existing loan, if yes then rule should check Loan classification status, if loan is under “Loan Loss” status then customer will not be able to avail new loan.

If the above condition has been met, the Rule should ***Pass*** else the Rule should ***Fail*** there by blocking further processing of the Application

* Business Rule will be configured at ***Application*** Stage (Profile Short and Profile Detail Activity)
* Rule will be configured as a ***Pre-Rule***
* Rule will be ***Non-Overridable***

### Expense Check

This Rule will be configured for all the Process Flows.

The rule should be verified from the latest CB response of the customer for whom Other MFI > 1 and the same EMI Amount should be entered in payment of Loans (Monthly Installments).

* + If it is Blank or Zero Rule should Fail and block the further process
  + If it is not Blank or Zero,
    - If Entered Amount(expense amount) is ***less than*** the Sum of all the active Loans EMI Amount (Non Utkarsh loan accounts from CB) then Rule must be Failed
    - If Entered Amount (expense amount) is ***equal to or greater than*** the Sum of all the active Loans EMI Amount (Non Utkarsh loan accounts from CB), then Rule has to be Passed.
* Business Rule will be configured at ***Application*** Stage (Profile Detail Activity)
* Rule will be configured as a ***Pre-Rule***
* Rule will be ***Non-Overridable***

# Disclaimer

* This FSD is as per Discussion & Mail communication and this FSD covers all aspects of development.
* There might be minor variation at development stage for better usability.