



banglalink

Software Requirements Specification For DMS Application Enhancement

Version 1.0 (Proposed)

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Revision History

Name	Date	Reason For Changes	Version

1. Introduction

1.1. Purpose

Distributor Management System (DMS) is a web based and database driven software application that provides the opportunities of different types of setup and overall management of distributors with the provision of viewing and exporting various reports. This application ensures the opportunity for the role based users to access data and execute functions.

DMS is the only interface for Distributors, our valuable stake holder. This module is used for secondary tracking of physical products with some very useful insights and reporting. Even EV, Biometric, ETSAF, Device etc. Non-DMS scope feature reporting is also available in DMS. With current changes in UX/UI and overall redesign of the module, further Performance boost, overall better experience increase, some new features will make the tool friendlier and more useful. In this aspect, Prime Tech is thankful to Banglalink for the opportunity to offer its professional services for developing the system. Prime Tech is willing to work together with Banglalink to achieve its goals, thereby strengthening the foundation for long-term partnership with Banglalink. With the changes with business, KPIs and regional requirements modification in different interface and reports have become evident which is the scope of this document.

1.2. Intended Audience and Reading Suggestions

This document is to be read by the development team, the project managers, QA Engineers, supporting staff, testers, documentation writers, and all other stakeholders of DMS. The SRS has been organized approximately in order of increasing user specificity requirements. The developers and project managers need to become intimately familiar with the SRS to understand the development requirements and track change request.

1.3. Product Scope

- Flash pop up notification on daily Tips for great start of the day
- User Tips on long time usage
- Automated alert if user is doing Heavy usage and occupying bandwidth of others
- Mobile Browser Compatibility of DMS
- Resized screen to give better UI feeling to users
- Scanner inventory migration from one DD to another due to distributor migration/termination/demarcation.
- Inclusion of RSO codes in all DMS reports
- Boost overall performance, especially for mostly used pages.
- Quiz for DMS Operators to keep engaged and motivated
- Merger of DMS, M-DMS and Retailer Web tool
- SIM return to ware house rejection process required without Text file
- SIM return to ware role rights required in live server
- Enhance EV reporting time

- Adding Deno and Data pack report
- Distributor Survey
- Problem escalation and view integration with super office
- PDF downloads for Distributor on Company provided TAX Paper etc.
- RSO daily lifting vs. actual sales and RSO performance reports

2. Operating Environment

Development platform for Web Application:

- Operating System: Windows server 2012 or higher
- Development Technology: .Net
- Database: ORACLE 11g or Higher
- IDE: Visual Studio 2017/2019

Development Environment:

- Development Language: ASP.NET MVC with C#
- Framework Version: .Net Framework 4.5
- Database: ORACLE 11g or Higher

3. Technical Requirements/Interfaces

3.1. Flash pop up notification / Notification on daily Tips for a great start of the day

Ref: FR1 (Business Recruitments Document)

Feature to create and display scheduled pop-up notifications with the option to select recipient groups/individuals and the ability to select by zones/regions. Pop-up notifications will have an option to close the pop-up with a close button in the upper right corner. Closed pop ups will not show again.

A new menu item will be added to the admin menu termed “notifications”. This menu will take the admin to the notifications page where he/she will be able to see a list of the existing notifications that have been created and their status. In addition to this, the page will have a button to create a new notification.

Notification Creation Process:**Notification type:****Login:**

If login is selected, the notification will be shown to all users under the selected region indefinitely, until the user closes the notification. Once closed, the notification will not show to that user again. In the event of multiple active notifications with the "Display on Login" option set to yes, the notifications will be indefinitely shown to a user at random, unless the user dismisses the notification. The specific notification that has been closed will not be shown again. If login is selected, the scheduled option will be disabled for that particular notification.

Scheduled:

If a Schedule is set for the notification, the user will see the notification if he/she logs in or is using the system during the scheduled period. The notification will pop up on any page of the system the user is on during the scheduled period. If a schedule is set, the login option will be disabled for that particular notification.

Create Notification:

View of the “Create Notification” Interface.

The screenshot shows the 'Create Notification' page of the DMS. At the top, there's a navigation bar with icons for Transaction, POSM, Report, ITOP RPT, Admin, Definition, Phy. RPT, SPCL. RPT, Bio Device, and Search. On the far right, it says 'DD: Logout'. The main form has sections for 'NOTIFICATION NAME' (input field), 'NOTIFICATION DETAILS' (text area), 'UPLOAD IMAGE (MAXIMUM RESOLUTION 480px x 768px)' (input field) with an 'UPLOAD' button, and a dropdown for 'REGION' containing 'DHAKA', 'COMILLA', and 'SYLHET'. To the right, there are sections for 'SCHEDULE NOTIFICATION' (with 'START DATE & TIME' and 'END DATE & TIME' buttons), 'MAKE ACTIVE/INACTIVE' (radio buttons for 'ACTIVE' and 'INACTIVE' with 'INACTIVE' selected), and 'DISPLAY ON LOGIN?' (radio buttons for 'YES' and 'NO' with 'NO' selected). A green 'SAVE' button is at the bottom right. Below the form, a dark bar displays the message 'Last successful login was: | Last unsuccessful login was:'.

1. Name – Name of the notification. Name is mandatory field without filling this field, the user cannot create a notification. This is useful later for identifying notifications when the admin tries to look for a particular notification.
2. Details – The text content of the notification. Details is mandatory field without filling this field, the user cannot create a notification. This is the actual text that goes with the notification.
3. Is Active – Radio button that marks whether a notification will run immediately/during the scheduled time. This is a mandatory field without filling this field, the user cannot create a notification. Marking it as inactive basically saves a draft of the created notification and is not broadcasted until it is marked as active.
4. Region – Dropdown that shows a list of regions where the admin may select where the notification will be shown. This is a mandatory field without filling this field, the user cannot create a notification. The logic in this feature will utilize the existing logic implemented in other DMS pages for loading region drop-down.
5. Upload Image – An option that opens up a window from Windows Explorer where the admin can pick an image to upload. This is a mandatory field without filling this field, the user cannot create a notification.
6. Active for – The time duration for which the notification will show. This is a mandatory field without filling this field, the user cannot create a notification.
7. View on Login – An option that allows the user to see the notification whenever they login as opposed to a particular time. This is a mandatory field without filling this field, the user cannot create a notification.

Rules/Validation:

1. Name – Mandatory Field
2. Details – Mandatory Field
3. Is Active – Mandatory Field
4. Region – Mandatory Field
5. Upload Image – Mandatory Field (Image must be 5" by 8")
6. Active for – Mandatory Field (Active for time cannot be less than one minute)
7. View on Login (Yes/No) – Mandatory Field
8. When a pop notification is scheduled, the user will see the pop notification whenever he logs in within the scheduled period.
9. When a notification schedule time is activated, a logged in user will receive the notification on any page he is viewing.

Manage Notifications:

NOTIFICATION NAME	NOTIFICATION DETAILS	ACTIONS		
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW
NOTIFICATION NAME	NOTIFICATION DETAILS	DELETE	EDIT	VIEW

Last successful login was: | Last unsuccessful login was:

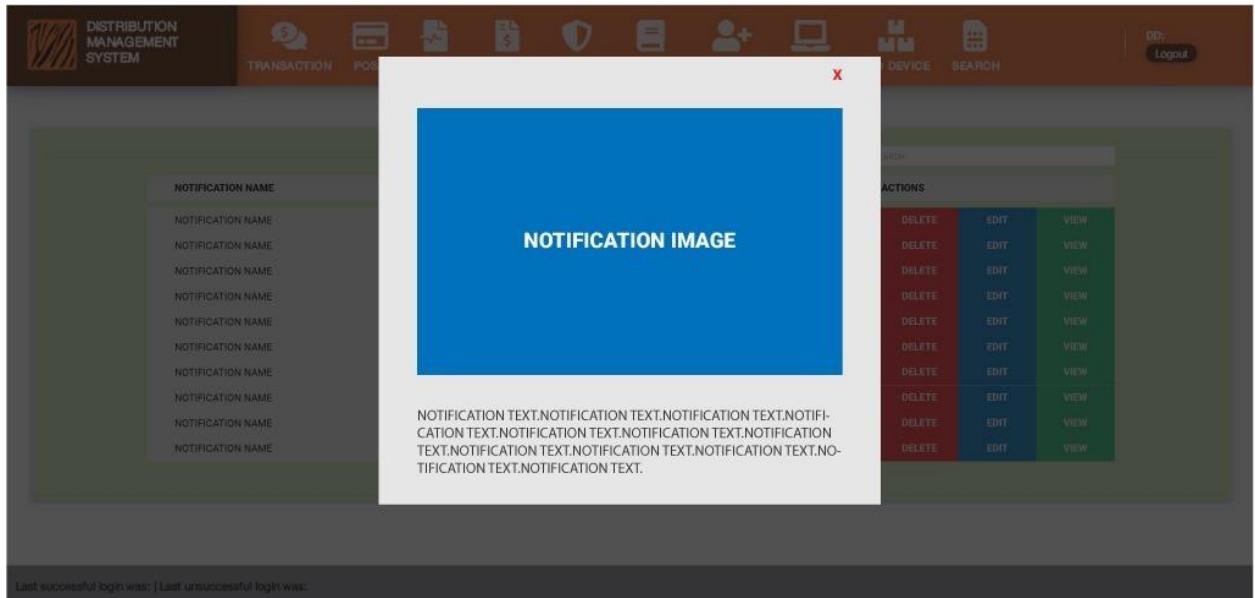
When notifications are created in the process above, there needs to be a way to manage these notifications for actions like modifications, deleting, deactivating, etc. The process below shows the management procedures once a notification is created.

On clicking the notifications section (currently does not exist and will be created on implementation of this FR) of the admin menu, the admin will be directed to a page that has a list of all existing notifications.

The list will display the following:

1. Notification name
 2. Notification Details
 3. Actions (Edit, View & Delete)

View Notifications (Region Wise User):



User View of the Created Notification

1. Pop Notification – The image of 5" by 8" as uploaded by the admin on the notification creation form.
 2. Notification Message – The details that the admin input in the details field of the notification creation form.
 3. Close Button – Clicking on this button will close the notification.

3.2. Enhance EV Reporting Time

Ref: FR2 (Business Recruitments Document)

The EV report is currently synced with the DMS twice, one at the start of the day and the other at midday (Report name: itopupMidday). This needs to be changed to updating on an hourly basis from 8 am to 11 pm.

Ftp location with file format will be there, once updated data is found in this location, data will be used to prepare relevant reports of Midday. Mechanism will be there to detect latest data

Report Format:

UPLOADDATETIME	DDCODE	RSOCODE	RSONAME	RSOMOBILE	ROUTECODE	RETCODE
2/21/2021 0:00	BARBAG03	RS023030	RSO 1	1902692554	BARBAG03_RO	R163199
RETNAME	ITOPUPNUMBER	TARGET	AMOUNTDISBURSED	AMOUNTSOLD	BALANCE	AVGSALESPERDAY
Rubel store	1915256931	325	0	0	1089.89	165

Rules/Validations:

1. Excel file will be exported
2. If data is available in hourly basis, then users can export it in hourly basis.

Dependency:

Need to receive hourly data from the EV system. The data is updated twice daily as the data is received from the EV system twice daily. Once hourly data is sent, the updates can be synced.

3.3. Deno & Data pack Report

Ref: FR3 (Business Recruitments Document)

It's a New Report, data will be taken from DWH based on the Deno Configuration Table and then maintained in DMS after processing.

Business shared deno configuration template:

Unique Code	Category	Deno Amount	Deno Details	IRI S	Commission	Launch Date	Active	Deactive Date	Package Type	Region	Remarks
	Data Pack	13		N			Y		Popular		
	Data Pack	18		N			Y		Regular		

User Interface for Deno Configuration

The screenshot shows the 'DENO REPORT CONFIGURATIONS' form within the DMS application. The interface includes a top navigation bar with icons for Transaction, POSM, Report, I'TOP RPT, Admin, Definition, Phy. RPT, Spcl. RPT, Bio Device, and Search, along with a Logout button. The main form has fields for Unique Code, Deactivate Date, Deno Category, Package Type, Deno Amount, Region, Deno Details, Remarks, Comission, Active, IRIS, Launch Date, and a green 'ADD NEW' button. A message at the bottom indicates successful and unsuccessful login attempts.

DENO REPORT CONFIGURATIONS	
UNIQUE CODE	<input type="text"/>
DENO CATEGORY	<input type="text"/> SELECT CATEGORY
DENO AMOUNT	<input type="text"/>
DENO DETAILS	<input type="text"/>
IRIS	<input type="radio"/> YES <input type="radio"/> NO <input type="radio"/> ONLY
COMISSION	<input type="text"/>
LAUNCH DATE	<input type="text"/> LAUNCH DATE
DEACTIVATE DATE	<input type="text"/> DEACTIVATE DATE
PACKAGE TYPE	<input type="text"/> REPORT TYPE
REGION	REGION DHAKA <input type="checkbox"/> COMILLA <input checked="" type="checkbox"/> Sylhet <input type="checkbox"/>
REMARKS	<input type="text"/>
ACTIVE	<input type="radio"/> YES <input type="radio"/> NO
ADD NEW	

Last successful login was: | Last unsuccessful login was:

Rules/Validation:

For Bundle Deno List Configuration for Report:

1. Unique Code – Mandatory Field. System Generated.
2. Category – Mandatory Dropdown Field.
3. Deno Amount – Mandatory Field.
4. Deno Details – Mandatory Field.
5. IRIS – Mandatory Radio-button Field. Only 3 types (Yes, No and Only).
6. Launch Date – Mandatory Field.
7. Active – Mandatory Radio-button Field.
8. Deactivate date – If ‘No’ selected in ‘Active’, then Deactivate date is a Mandatory field.
9. Package Type – Mandatory Dropdown field.
10. Region – Mandatory Checklist Dropdown field. Single/Multiple/All regions can be selected.

User Interface for Deno Configuration Index

DENO CONFIGURATION LIST

NAME	CATEGORY	DENO AMOUNT	LAUNCH DATE	ACTIVE	ACTION
D001	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D002	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D003	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D004	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D005	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D006	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D007	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D008	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D009	DATA PACK	13	1-1-2021	YES	DETAILS EDIT
D010	DATA PACK	13	1-1-2021	YES	DETAILS EDIT

Last successful login was: | Last unsuccessful login was:

Report Header in Excel:

Distributor Code/Retailer Code	itop-up Number	Supervisor Code-Name	RSO Code	SR Number	Denomination	Deno Category	Date	Count	Value

Report header:

Distributor Code, Retailer Code, itop-up number, Supervisor Code-Name, RSO Code, SR Number, Denomination, Deno Category, Date, Count, Value.

Location: I'top-up report

Report's Rules/Validations:

For DMS External User:

1. Start Date – Mandatory Field. Cannot be less than current date-time. Cannot be later than ‘End Date’.
2. End Date – Mandatory Field. Cannot be less than ‘Start Date’.
3. RSO – Report can be filtered by All RSO or Selected RSO.
4. Report can be filtered by Multiple Deno (DD).

For DMS Internal User:

1. Start Date – Mandatory Field. Cannot be earlier than current date-time. Cannot be later than ‘End Date’.
2. End Date – Mandatory Field. Cannot be earlier than ‘Start Date’.

3. Cluster – Report can be filtered by All Cluster or Selected Cluster. If cluster is selected only respective Region data will be shown in Region list also in report data.
4. Region - Report can be filtered by All Region or Selected Region. If Region is selected only respective Distributor data will be shown in Distributor list also in report data.
5. Report can be filtered by Multiple Deno (internal). Filter by Deno type/Deno amount.

Dependency:

Data availability from DWH source.

3.4. Distributor Survey: Survey and Quiz for Distributor's DMS Users

Ref: FR4 (Business Recruitments Document)

The survey feature allows DMS internal users to create and conduct surveys for DMS external users. The creator can create a point based quiz/survey that can be scheduled. The survey participants check the survey available from the survey list and participate.

Survey Creation Process:



Description: The above workflow diagram shows how DMS internal users will create and conduct surveys for DMS external users.

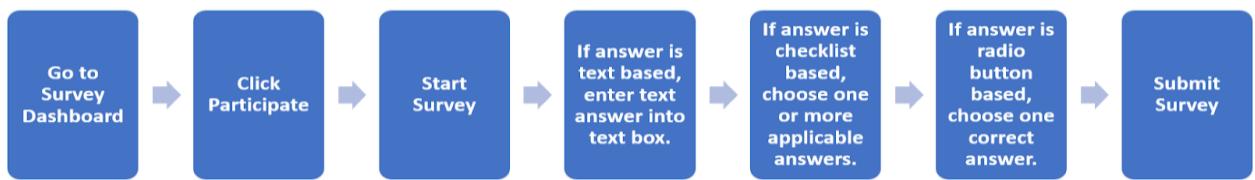
1. The user will input the survey name in a text box.
2. The user will set the schedule for the survey. In order to do this, the user will select the date and time selector and set the date and the time of that date on which the survey will take place.
3. The user will create a question.
4. The user will select an answer type from three options, namely radio button, checklist and text based. This is the type of answer that the participant will see.
 - The radio button type allows the survey participant to select only one answer from a question that uses a radio button selector.
 - The checklist type allows a user to select one or more answers from question that uses the checklist type selector.

- The text-based option allows the survey participant to type in answers to questions that uses a text input field.

Once the answer type is selected, it is set for the participant. Now the participant can only answer in the format specified in the answer type.

5. The user inputs the answer option for the corresponding question.
6. The user assigns points to an answer.
7. The user uses the mark as correct option to select an answer that is correct for that particular question.
8. The user may choose to add more answer options. This is for MCQ based questions where there are multiple choices for answers.
9. The user may choose to add more questions.
10. The user saves the survey. The user will receive a success message and be redirected to the survey management UI.

Survey Participation Process:



Description: The above process demonstrates how a user will participate in a survey.

1. The user enters his survey dashboard.
2. From the list of surveys that are available, the user clicks on a participate button to start the survey.
3. If survey answers are text based, the user will type in the answers to the questions on a text field.
4. If survey answers are checklist based, the user will select one or more appropriate answers.
5. If survey answers are radio button based, the user will select one correct answer.
6. Once the user is done with the survey, he/she will click on the submit option to submit the survey.

Survey Creation (Admin/Int')

The survey creation feature will have options to create questions and answers. Using this, the admin can simply add the questions and answers (options) and corresponding points for each answer. Points are set in the Point field beside each answer. The points are then added together according to the participant's answers in order to calculate the points.

User Interface:

The screenshot shows the 'CREATE SURVEY' page within the DMS application. The top navigation bar includes icons for Transaction, POSM, Report, ITOP RPT, Admin, Definition, Phy. RPT, SPOL. RPT, Bio Device, and Search, along with a Logout button. The main form has fields for Survey Name, Start Date, End Date, Question text, Answer Type (Radio, Checkbox, TextBox), Answer Option 1, Point value, and a 'Mark as Correct Answer' checkbox. Buttons for 'Add Another Answer' and 'Save' are also present.

Rules & Validation:

1. Survey Name – Mandatory Field.
2. Start Date – Mandatory Field. Cannot be less than current date-time. Cannot be later than ‘End Date’.
3. End Date – Mandatory Field. Cannot be less than ‘Start Date’.
4. Set Question– Mandatory Field. At least one question must be set to create a survey.
 - I. Question 1- Mandatory Field
 - II. Answer type- Mandatory Field
 - III. Option 1- Mandatory Field (if answer type is selected as Radio or Checkbox).
 - IV. For Radio or Checkbox type answer at least one answer must be marked as correct answer.
 - V. For Text field type answer ‘Add more option’ button is not needed, hence button will remain invisible/dim/inactive.
5. Point – Mandatory Field
6. To ‘Add more question’ all the input field for existing question set must be validated.

Survey Dashboard View (Int'):**User Interface:**

The screenshot shows a user interface for a Distribution Management System. At the top, there is a dark header bar with the system's logo and name "DISTRIBUTION MANAGEMENT SYSTEM". Below this is an orange navigation bar containing various icons and labels: TRANSACTION, POSM, REPORT, TOP RPT, ADMIN, DEFINITION, PHY. RPT, SPCL. RPT, BIO DEVICE, and SEARCH. On the far right of the orange bar, there is a "Logout" button. The main content area has a light green header labeled "SURVEY LIST". Below this is a table with the following columns: NAME, CREATE DATE, QUESTION ANSWERED, and ACTION. The ACTION column contains three buttons: VIEW (green), EDIT (blue), and DELETE (red). The table lists ten entries, all of which are "TEST SURVEY" created on "1-06-2021". The "QUESTION ANSWERED" column shows values ranging from 7 to 15. At the bottom of the page, there is a dark footer bar with the text "Last successful login was: | Last unsuccessful login was:".

NAME	CREATE DATE	QUESTION ANSWERED	ACTION
TEST SURVEY	1-06-2021	7	VIEW EDIT DELETE
TEST SURVEY	1-06-2021	7	VIEW EDIT DELETE
TEST SURVEY	1-06-2021	7	VIEW EDIT DELETE
TEST SURVEY	1-06-2021	7	VIEW EDIT DELETE
TEST SURVEY	1-06-2021	7	VIEW EDIT DELETE
TEST SURVEY	1-06-2021	15	VIEW EDIT DELETE
TEST SURVEY	1-06-2021	15	VIEW EDIT DELETE
TEST SURVEY	1-06-2021	7	VIEW EDIT DELETE
TEST SURVEY	1-06-2021	7	VIEW EDIT DELETE

Rules & Validation:

- Most Recent Survey on Top
- Questions Answered is the Live count of answer of each survey, these are the total number of answers attended for each quiz.

Survey Dashboard View (Ext'):**User Interface:**

The screenshot shows a survey dashboard interface. At the top, there is a navigation bar with icons for Transaction, POSM, Report, I/TOPI RPT, Admin, Definition, Phy. RPT, Spcl. RPT, Bio Device, and Search. On the far right of the bar is a 'Logout' button. Below the navigation bar is a table titled 'SURVEY LIST'. The table has columns for NAME, START DATE, END DATE, CREATED BY, and ACTION. There are 10 rows in the table, each representing a survey entry. The 'ACTION' column contains two buttons: 'VIEW' and 'PARTICIPATE'. The 'PARTICIPATE' button is greyed out for all rows except the second one, which is highlighted in green.

SURVEY LIST				
NAME	START DATE	END DATE	CREATED BY	ACTION
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>
NAME	1/JAN/20022 04:00PM	1/JAN/20022 04:00PM	ADMIN	<button>VIEW</button> <button>PARTICIPATE</button>

Last successful login was: | Last unsuccessful login was:

Rules & Validation:

- Can't be participated more than once. Once participated, the participate button will be disabled and greyed out.

Survey View (Ext'):**User Interface:**

The screenshot shows a survey view interface. At the top, there is a navigation bar with icons for Transaction, POSM, Report, I/TOPI RPT, Admin, Definition, Phy. RPT, Spcl. RPT, Bio Device, and Search. On the far right of the bar is a 'Logout' button. Below the navigation bar is a form titled 'TEST SURVEY'. The form contains three questions:

- *1 WHAT IS THE ANSWER OF TEST QUESTION ?
ANSWER
- *2 CHOOSE THE CORRECT ANSWER OF TEST QUESTION 2 ?
ANSWER
 ANSWER 1 ANSWER 3
 ANSWER 2 ANSWER 4
- *3 CHOOSE THE CORRECT ANSWER OF TEST QUESTION 3 ?
ANSWER
 NOT SELECTED
 SELECTED
 INDETERMINATE
 ANSWER 4
 NONE

At the bottom right of the form is a 'SUBMIT' button. A footer at the bottom of the page says 'Last successful login was: | Last unsuccessful login was:'.

Rules & Validation:

1. Answer (Text field) – Mandatory field.
2. Answer (Radio) - One answer must be selected.
3. Answer (Checkbox) – At least one answer must be selected. More than one can be selected.
4. To submit all the answer field must be validated.
5. One user can participate to a survey once only

3.5. RSO Performance Reports

Ref: FR5 (Business Recruitments Document)

RSO Performance Reports for DMS Users.

Report Format in Excel:

Distributor	Supervisor Code-Name	RSO Code	RSO Name	Itopup SR Number	SR to retailer Itopup Sales Total	SR to retailer Itopup Sales M-DMS	Retailer Itopup Tertiary of that RSO
RSO to Retailer SIM Sales Total	RSO to Retailer SIM Sales M-DMS	Retailer Activation of that RSO	SC Secondary Total	SC Secondary M-DMS	SC Tertiary		

Rules/Validations:

- RSO-retailer mapping will be considered as per retailer database.

For DMS External User:

1. Start Date – Mandatory Field. Cannot be less than current date-time. Cannot be later than ‘End Date’.
2. End Date – Mandatory Field. Cannot be less than ‘Start Date’.

For DMS Internal User:

1. Start Date – Mandatory Field. Cannot be earlier than current date-time. Cannot be later than ‘End Date’.
2. End Date – Mandatory Field. Cannot be earlier than ‘Start Date’.
3. Cluster – Report can be filtered by All Cluster or Selected Cluster. If cluster is selected only respective Region data will be shown in Region list also in report data.
4. Region - Report can be filtered by All Region or Selected Region. If Region is selected only respective Distributor data will be shown in Distributor list also in report data.
5. Distributor - Report can be filtered by All Distributor or Selected Distributor. If Distributor is selected only respective Distributor data will be shown in report data.

Report Head: Distributor, Supervisor Code-Name, RSO Code, RSO Name, i'topup SR Number, SR to retailer itopup Sales Total, SR to retailer itopup Sales M-DMS, Retailer itopup Tertiary of that RSO, RSO to Retailer SIM Sales Total, RSO to Retailer SIM Sales M-DMS, Retailer Activation of that RSO, SC Secondary Total, SC Secondary M-DMS, SC Tertiary.

Dependency:

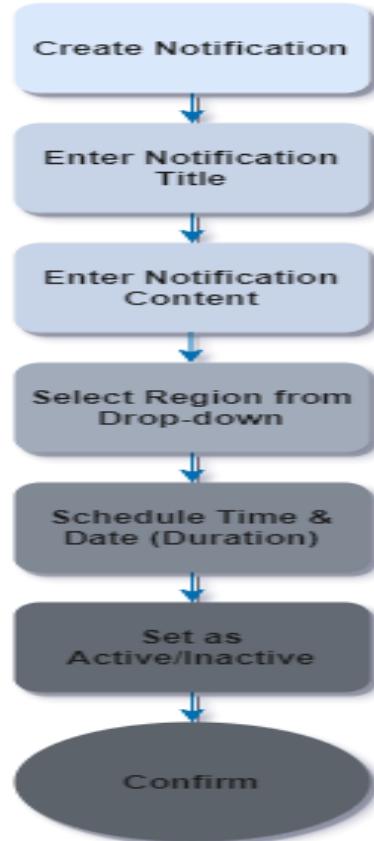
Source: DMS, DWH (D-1)

3.6. Region wise access for notification setup

Ref: FR6 (Business Recruitments Document)

Region wise access for notification setup, Region wise Notification, Notification in Bengali. Access to RS-Operations to circulate their message for their users. Option to input message from mobile browser.

Notification Creation Process:



Description:

The above workflow allows a user to setup region wise notifications.

1. The user first creates a notification by clicking on a create button.
2. The user enters the notification title which will be the name and title of the notification.
3. The user enters the notification content into a text box which is the main body of the notification.
4. Only Internal user having role (RS-operations, rd and Hod, HRS, reporting team) will have access to update notification.
5. List of region will appear as mapped with regions in location rights.
6. Only DMS users of the selected region will receive regional notifications. Notification shared by Admin will be viewed to all users in addition to regional notification.
7. The user schedules the notification broadcast time by selecting the start date and time and the end date and time.
8. The user marks the created notification as active or inactive. Marking it as active permits the notification to be broadcast on the selected schedule.
9. The user saves the notification.

Creation (User Interface):

The screenshot shows the DMS application's user interface. At the top, there is a navigation bar with various icons and links: TRANSACTION, POSM, REPORT, ITOP RPT, ADMIN, DEFINITION, PHY. RPT, SPCL. RPT, BIO DEVICE, and SEARCH. On the far right of the bar, there is a 'DD:' dropdown and a 'Logout' button. Below the navigation bar, the main content area has a light green background. It features a form titled 'CREATE REGION-WISE NOTIFICATION'. The form includes fields for 'TITLE' (with a text input box), 'MESSAGE' (with a large text area), 'REGION' (with a dropdown menu labeled 'SELECT REGION'), and date selection fields for 'START DATE' and 'END DATE' (each with a calendar icon). There is also a toggle switch for 'ACTIVE / INACTIVE' status and a green 'SUBMIT' button at the bottom right. At the very bottom of the screen, there is a dark grey footer bar with the text 'Last successful login was: | Last unsuccessful login was:'.

Rules/Validation:

1. Title – Mandatory field.
2. Message – Mandatory field.

3. Region – Mandatory Checkbox field. Message will be displayed only for specified Region user.
4. Start time – Mandatory field. Start time cannot be later than End time.
5. End time – Mandatory field. End time cannot be earlier than Start time.
6. Start Date – Mandatory Field. Cannot be earlier than current date-time. Cannot be later than ‘End Date’.
7. End Date – Mandatory Field. Cannot be earlier than ‘Start Date’.
8. Is Active – Mandatory Radio-button Field.

Regional user view: User will view Title, Message, region, Start date time, end time.

Admin view: Admin will be able to view this list as well. In last column created by and Region name will be visible. A filter on created by will be available for admin. Edit Option to update message, start date time, end time, Active On/Off.

View (User interface for scrolling message):

The screenshot shows the DMS interface with a top navigation bar containing icons for Transaction, POSM, Report, ITOP RPT, Admin, Definition, Phy. RPT, SPCL. RPT, Bio Device, and Search. The top right corner shows the user 'Sayed Md Mainul Haque DD' and a 'Logout' button. A yellow banner at the top states: 'Update: All the features are now available here. Please USE THIS MODULE. Old DMS links has been closed from 3-Apr-2021. Thank you .'.

The main area displays six summary cards arranged in two rows of three:

- GROSS ADD(LAST 7 DAYS)**: Green card.
- EV C2S(LAST 7 DAYS)**: Grey card.
- EV C2C(LAST 7 DAYS)**: Yellow card.
- GROSS ADD(MTD)**: Green card.
- EV C2S(MTD)**: Grey card.
- EV C2C(MTD)**: Yellow card.

Below each row of cards is a 'Summary' table:

Summary	
Active DD	179
Supervisor	550
Merchandiser	550
Total RSO	4000

Rules/Validation:

National admin set scroll message + regional user set scroll message both will appear.

Message of One regional user will not viewed to users of other region.

3.7. Mobile browser compatibility for DMS

Ref: FR7 (Business Recruitments Document)

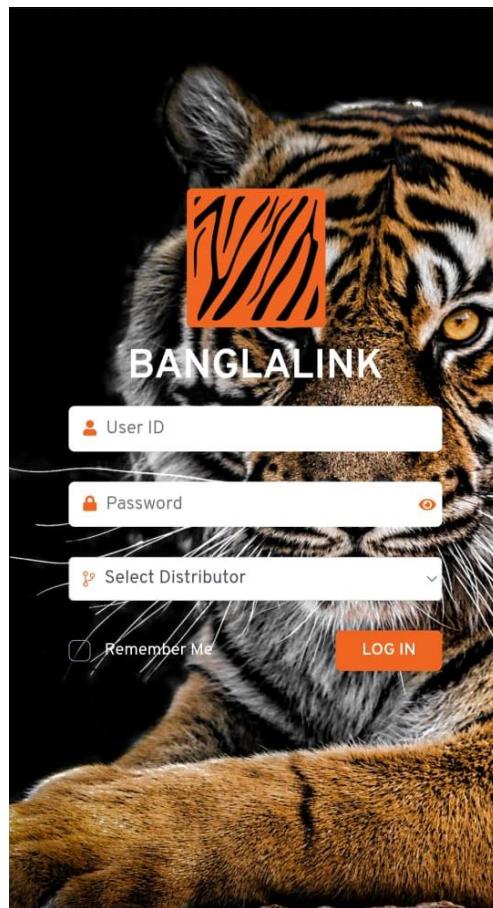
Make DMS pages responsive for mobile compatibility (as many as possible).

Priority Pages:

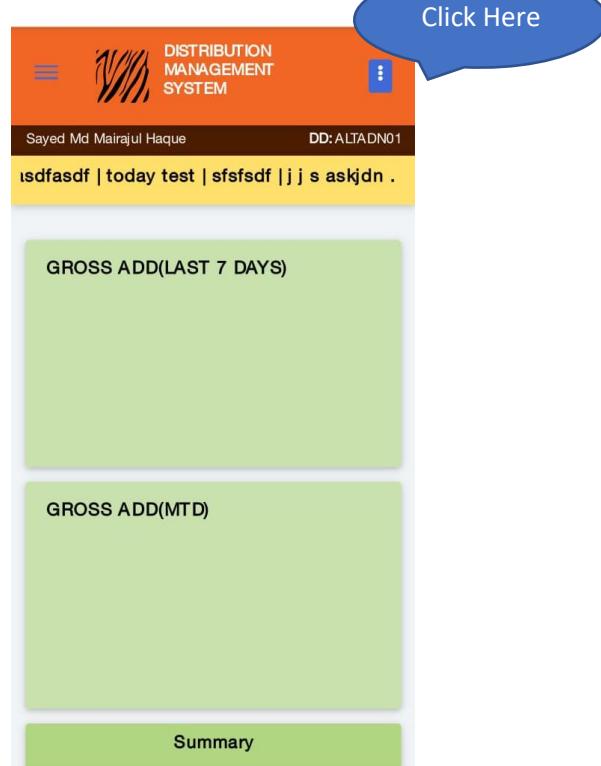
- | | |
|-----------------------------------|-------------------|
| 1. Login | 6. Itop-up Buffer |
| 2. Dashboard | 7. BTS and Edit |
| 3. Transaction Verification Pages | 8. Bio Device |
| 4. Admin Messages | 9. Smart Search |
| 5. Manage Location Rights | |

Steps for DMS application mobile view

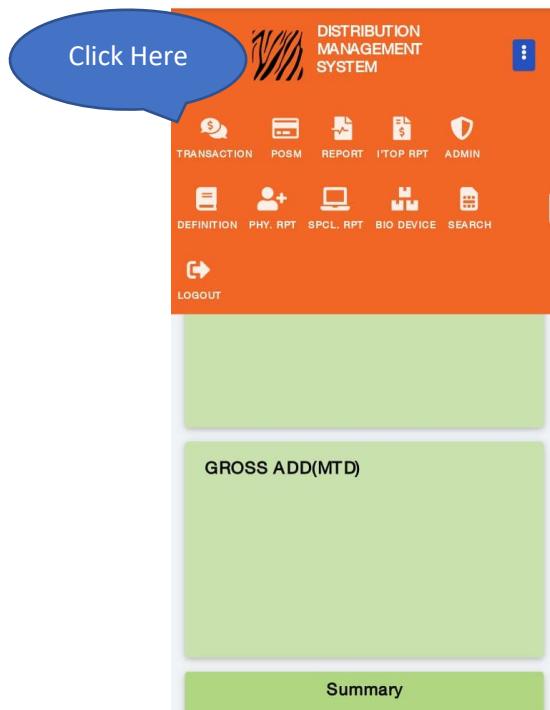
Step 1: Enter user information to login.



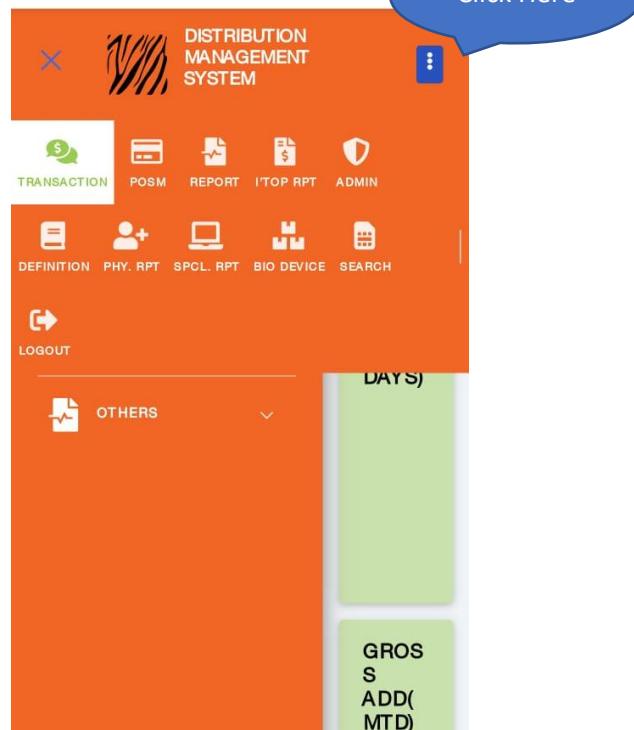
Step 2: Click on menu icon to open main menu.



Step 3: Select menu item Transaction:



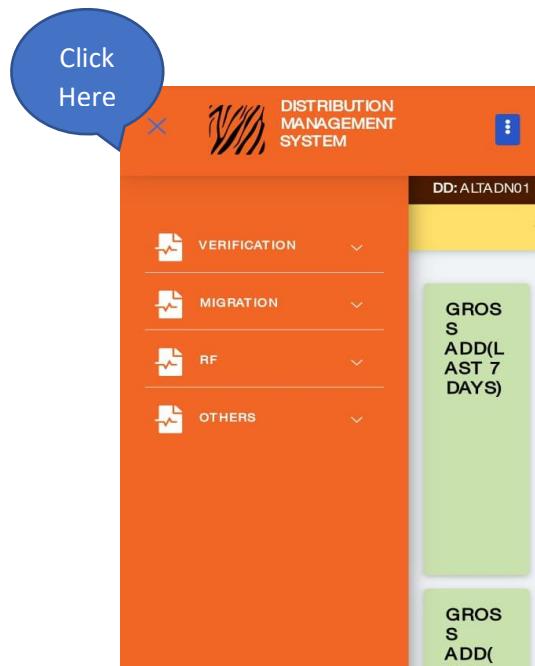
Step 4: Click menu icon to close main menu.



Step 4: Select submenu



Step 5: Click cross icon to close submenu.



Step 6: Input Distributor

The screenshot shows a form titled 'ADD DISTRIBUTOR'. The form fields are as follows:

- Code ***: A text input field containing 'DISTRIBUTOR CODE'.
- Name ***: A text input field containing 'Distributor Name'.
- Office Address ***: A text input field containing 'Office Address'.
- BL Point Address ***: A text input field containing 'BL Point Address'.
- Territory ***: A dropdown menu labeled 'Select Territory'.
- Type of Ownership ***: A dropdown menu labeled 'Select Ownership Type'.

3.8. Inclusion of RSO Codes, SR Numbers, Supervisor Names

Ref: FR8 (Business Recruitments Document)

Need to add RSO code, SR Number, supervisor name in following reports:

Physical Report	ISSUE SIM TO RETAILER REPORT: RSO information come from RSO calendar. ISSUE BIOMETRICT DEVICE TO RETAILER: RSO information come from RSO calendar. RECEIVE SC FROM RETAILER: RSO information come from RDB
I'top up Report	ITOP-UP DETAILS REPORT: RSO information come from RSO Calendar ITOP-UP STOCK LIFTING: RSO information come from RSO Calendar i'top-up Sales Report: RSO information come from RSO Calendar ITOP-UP BALANCE REPORT: RSO information come from RSO Calendar EV RETAILER SYNC PENDING SUMMARY: RSO information come from RSO Calendar
Special Report	DENO REPORT SUMMARY: RSO information come from RSO Calendar Deno Report Details: RSO information come from RSO Calendar

3.9. Scanner Inventory Migration

Ref: FR9 (Business Recruitments Document)

Scanner inventory migration from one DD to another due to distributor migration/termination/demarcation. No system Approval required as the migration will be done by business Admin with proper over mail confirmation from ZM and RH. Only Applicable for Partial. For Full floor migration, existing process will remain as is. The existing process used will be the one for physical product migration.

Scanner Inventory Migration Process:**Description:**

Using the process demonstrated above, a user can migrate scanner inventory from one user to another.

1. The migration date will be taken from the system. This is the date on which the migration will occur.
2. The user will select the old distributor. This is the distributor of origin from whom the scanner inventory will be migrated.
3. The user will select the devices (by serial) that will be transferred from the old distributor.
4. The user will select the new distributor. This is the destination distributor to whom the selected inventory will be migrated.
5. The user will now migrate the scanner inventory.

User Interface:

The screenshot shows the DMS interface with a dark brown header bar containing the logo 'DISTRIBUTION MANAGEMENT SYSTEM'. Below the header is a navigation bar with orange icons and labels: TRANSACTION, POSM, REPORT, ITOP RPT, ADMIN, DEFINITION, PHY. RPT, SPCL. RPT, BIO DEVICE, and SEARCH. On the far right of the header is a dropdown menu labeled 'DD:' and a 'Logout' button.

The main content area has a light green header titled 'MIGRATE SCANNER INVENTORY'. It contains several input fields and buttons:

- 'DATE' field with a 'START DATE & TIME' button and a calendar icon.
- 'OLD DISTRIBUTOR' dropdown menu.
- 'DEVICE IN STOCK' checkbox.
- 'NEW DISTRIBUTOR' dropdown menu.
- 'DOWNLOAD STOCK' button.
- 'UPLOAD STOCK' button.
- 'MIGRATE' button.

At the bottom of the page, there is a dark grey footer bar with the text 'Last successful login was: | Last unsuccessful login was:'.

Rules/Validation:

1. Download on hand stock
2. Make device in stock section list (similar to SIM issuance)
3. Upload selected stock for migration.
4. Date - Mandatory Field. Cannot be earlier than current date-time.
5. Old distributor- Mandatory Field. The dropdown will contain a list of all DD.
6. Device in stock - Mandatory Checkbox Field. At least one device must be selected to migrate.
7. Only 'Not Issued to Retailer' device of old distributor will appear in the 'Device in stock' list.
8. New distributor- Mandatory Field.
9. No system Approval required as the migration will be done by business Admin with proper over mail confirmation from ZM and RH.
10. Only Applicable for Partial.

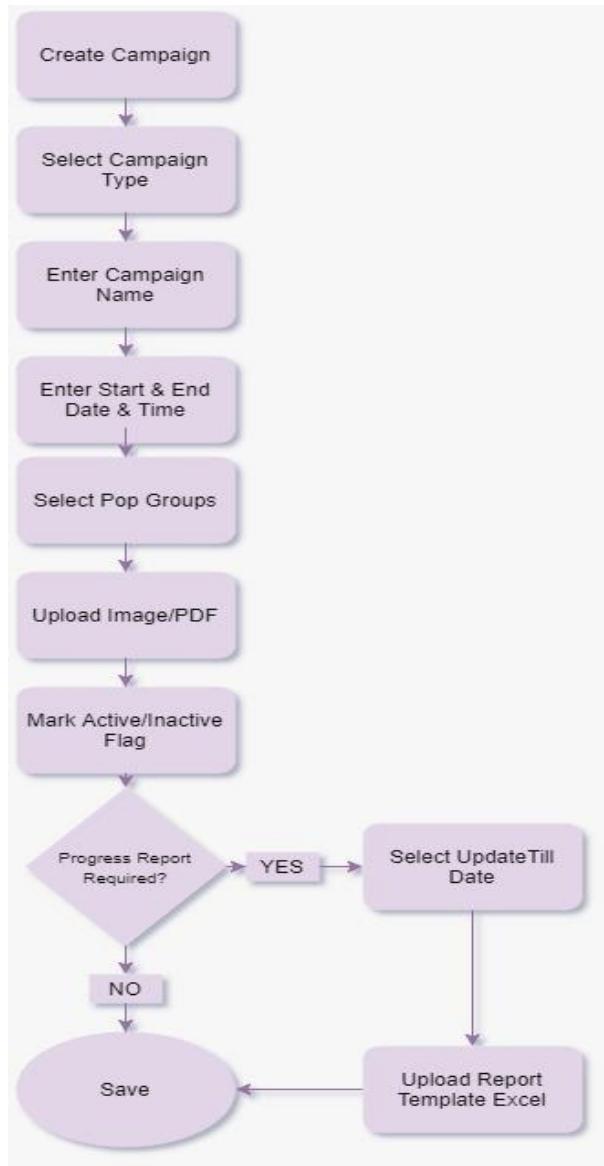
For Full floor migration, existing process will remain as is. The existing process used will be the one for physical product migration.

3.10. Campaign Zone

Ref: FR10 (Business Recruitments Document)

Create Campaign UI Admin Internal: Set up Campaign, Include campaign pop up group: DMS operator, Manager, RSO, Distributor, Region. Define Campaign Type, Define Campaign: Select Campaign Type, Enter Name, Enter Campaign duration dates (start and end), Select Campaign Pop Group, Campaign Image/PDF upload, Active Flag, Progress Report Flag.

Campaign Zone Workflow:



Campaign Zone Workflow Description:

1. The user will select the Campaign Type from a dropdown list. These types will be predefined by the user.
2. The user will enter the Campaign Name.
3. The user will enter the start and end date and time of the campaign.
4. The user will select one or more pop up groups.
5. The user may upload images/PDFs related to the campaign.
6. The user will mark the campaign as active/inactive
7. If a progress report is required, the user will check that option and select the "Update Till" date for the progress report and upload an excel template for the report data collection. The progress report is a report containing the progress of campaign assignees. If this is checked, the assignees will get to download a template where they will input their progress and upload it for the campaign creator to see.
8. The user will now save the campaign.
9. UI for Edit page to upload Excel File and include report update date is missing
10. 2 separate Browse / uploads, 1 to upload campaign details and 1 to upload updated report.

Creation (User Interface):

The screenshot shows the 'CREATE' campaign form. At the top, there's a navigation bar with various links: TRANSACTION, POSM, REPORT, I'TOP RPT, ADMIN, DEFINITION, PHY. RPT, SPCL. RPT, BIO DEVICE, and SEARCH. On the far right of the bar is a 'Logout' button. Below the bar, the main form area has a light green header labeled 'CREATE'. It contains several input fields:

- * CAMPAIGN TYPE: A dropdown menu labeled 'SELECT TYPE'.
- * CAMPAIGN NAME: An input field.
- * START DATE / TIME: A date/time picker.
- * END DATE / TIME: A date/time picker.
- * POP GROUP: A checkbox group with options: SELECT ALL, DMS OPERATOR, MANAGER, RSO, DD (which is checked), and REGION.
- IS ACTIVE?: Radio buttons for YES (unchecked) and NO (checked).
- PROGRESS REPORT?: Radio buttons for YES (unchecked) and NO (checked).

 On the right side of the form, there's a 'UPLOAD FILE' input field with an 'UPLOAD' button. At the bottom right of the form is a large green 'SAVE' button. At the very bottom of the page, there's a dark grey footer bar with the text 'Last successful login was: | Last unsuccessful login was:'.

Rules/Validation:

1. Campaign Type - Mandatory Field.
2. Campaign Name - Mandatory Field. Same name can be used for multiple campaigns.

3. Start Date/time – Mandatory Field. Cannot be earlier than current date-time. Cannot be later than ‘End Date/time’.
4. End Date/time – Mandatory Field. Cannot be earlier than ‘Start Date/time’.
5. Keep Active / Inactive flag to view or stop view of flash.
6. Multiple items can be active, Menu in Admin Panel.
7. If Progress Report Flag yes, then provide UI to upload campaign update report.
8. Pop group - Mandatory Checkbox Field. At least one group must be selected.
9. Upload file - Mandatory Field. Uploaded files can me Images or PDFs with a max size of 1MB.
10. Is active - Mandatory Radio-button Field.
11. Progress Report - Mandatory Radio-button Field.
 - I. Update till - Mandatory Field. If ‘Progress Report’ selected ‘Yes’. For selecting ‘No’, ‘Update till’ Field will remain hidden.
 - II. Upload file – Mandatory Field. If ‘Progress Report’ selected ‘Yes’. For selecting ‘No’, ‘Upload file’ Field will remain hidden

Campaign list view (Ext):

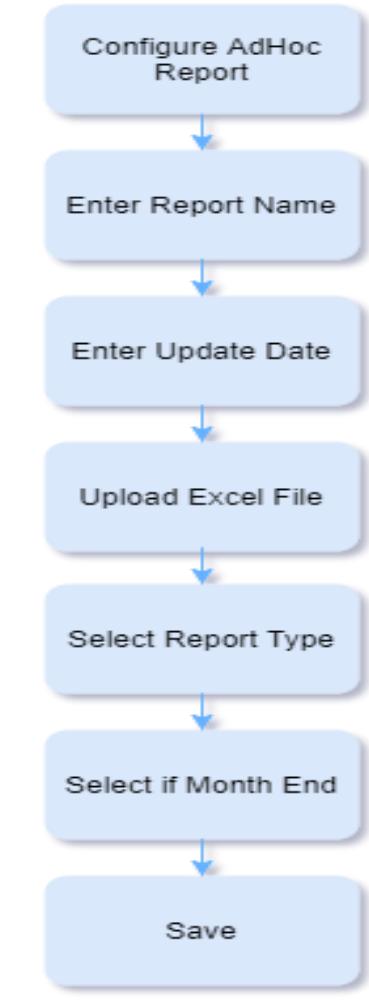
NAME	POP GROUP	START DATE	END DATE	LAST UPDATE	ACTION
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT
CAMPING	DMS OPERATOR	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	1/JAN/2022 04:00PM	RESULT

3.11. Adhoc Report Publish with Dynamic Report Name and Heads

Ref: FR11 (Business Recruitments Document)

Excel upload from internal: Select Report update date, input report name / Excel File name as report name, select report type (Report of Distributor / RSO / Retailer), Select Month-End (Tick), browse and upload Excel file. First column will be the code (retailer / rso / distributor), rest are dynamic. upload should be easier and faster with faster download. In External module, adhoc report section will be there as link. On press excel will be downloaded in user's PC. Download: As per location rights, Distributor wise report

will be generated. Store Month end report, Per KPI and Per Month one report will be preserved for six months.

Workflow:**Workflow Description:**

1. The user will enter the report name.
2. The user will set the update date.
3. The user will upload the Excel file.
4. The user will select the report type.
5. The user will select if it is the end of the month.
6. The user will save the configuration.

Configuration (User Interface):



DISTRIBUTION
MANAGEMENT
SYSTEM

TRANSACTION POSM REPORT ITOP RPT ADMIN DEFINITION PHY. RPT SPCL. RPT BIO DEVICE SEARCH

DD: Logout

Rules/Validation:

1. Report update date – Mandatory Field. Date cannot be later than current date.
 2. Report name – Mandatory Field.
 3. Report type – Mandatory Radio-button Field.
 4. Is Month end – Mandatory Radio-button Field
 5. Upload excel file – Mandatory Field.

Excel upload Format:

1. For Retailer

2. For RSO

3. For Distributor

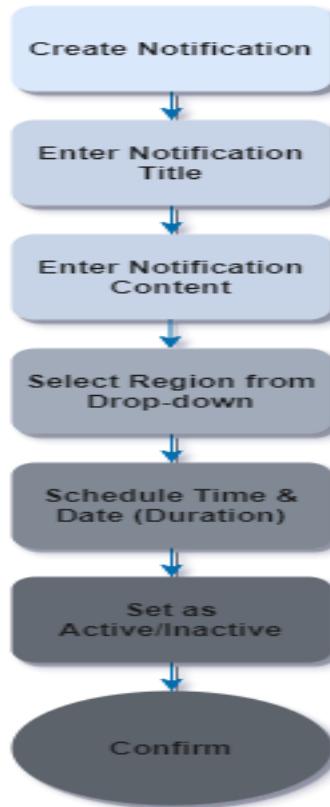
DD CODE	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10
DHKDHK01	data									

3.12. Region wise Alert

Ref: FR12 (Business Recruitments Document)

Region wise access for notification setup, Region wise Notification, Notification in Bengali. Access to RS-Operations and ZM to circulate their message for their users. Option to input message from mobile browser.

Notification Creation Process:



Description:

The above workflow allows a user to setup region wise notifications.

1. The user first creates a notification by clicking on a create button.
2. The user enters the notification title, which will be the name, and title of the notification.

3. The user enters the notification content into a text box, which is the main body of the notification.
4. The user selects a region from a list of regions. Only users of the selected region will receive the notifications.
5. The user schedules the notification broadcast time by selecting the start date and time and the end date and time.
6. The user marks the created notification as active or inactive. Marking it as active permits the notification to be broadcast on the selected schedule.
7. The user saves the notification.

List view to view Title, Message, region, Start date time, end time.

Edit Option to update message, start date time, end time, Active On/Off.

This option can be merged in single page with other notification FR.

Creation (User Interface):

The screenshot shows the DMS application's user interface. At the top, there is a navigation bar with various icons and links: TRANSACTION, POSM, REPORT, ITOP RPT, ADMIN, DEFINITION, PHY. RPT, SPCL. RPT, BIO DEVICE, and SEARCH. On the far right of the top bar is a 'Logout' button. Below the navigation bar, the main content area has a light green background. It features a form titled 'CREATE REGION-WISE NOTIFICATION'. The form includes the following fields: 'TITLE' (input field), 'MESSAGE' (input field), 'REGION' (dropdown menu labeled 'SELECT REGION'), 'START DATE' (input field with calendar icon), 'END DATE' (input field with calendar icon), and an 'ACTIVE / INACTIVE' toggle switch. At the bottom right of the form is a green 'SUBMIT' button. At the very bottom of the screen, there is a dark grey footer bar with the text 'Last successful login was: | Last unsuccessful login was:'.

Rules/Validation:

1. Title – Mandatory field.
2. Message – Mandatory field.
3. Region – Mandatory Checkbox field. Message will be displayed only for specified Region user.
4. Start time – Mandatory field. Start time cannot be later than End time.
5. End time – Mandatory field. End time cannot be earlier than Start time.
6. Start Date – Mandatory Field. Cannot be earlier than current date-time. Cannot be later than 'End Date'.

7. End Date – Mandatory Field. Cannot be earlier than ‘Start Date’.
8. Is Active – Mandatory Radio-button Field.

View (User interface)

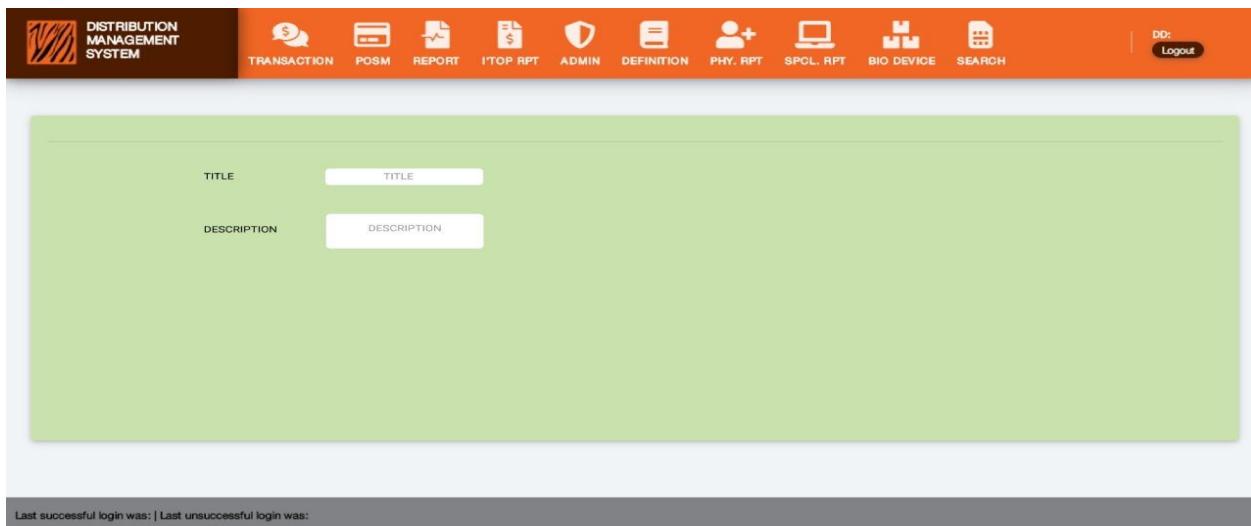
The screenshot shows the DMS application's main dashboard. At the top, there is a navigation bar with various icons and links: TRANSACTION, POSM, REPORT, ITOP RPT, ADMIN, DEFINITION, PHY. RPT, SPCL. RPT, BIO DEVICE, and SEARCH. On the far right of the top bar are 'DD' and 'Logout' buttons. Below the top bar, a large green rectangular area contains blurred content. To the right of this area is a vertical sidebar containing a list of notifications, each consisting of a small orange square followed by the text 'Test Notification,Test Notification, test'. At the bottom of the screen, there is a dark grey footer bar with the text 'Last successful login was: | Last unsuccessful login was:'.

Rules/Validation:

- On Notification ‘bell’, Notification Title will be displayed
- After clicking on the title, the total notification will be displayed in separate panel.
Suggestion: a side panel will appear with the title and detailed notification.

View (User interface for Notification)

The screenshot shows a modal window centered on the screen with a solid blue background. The modal has a red 'X' button in the top right corner. In the center of the blue area, the text 'NOTIFICATION IMAGE' is displayed in white capital letters. At the bottom of the blue area, the text 'Balance Updated' is shown in a smaller white font. The background of the main application window is a dark grey color. Along the bottom edge of the main window, there is a dark grey footer bar with the text 'Last successful login was: | Last unsuccessful login was:'.



3.13. Retailer App and Biometric App - Day wise & ID wise Usage Report

Ref: FR13 (Business Recruitments Document)

Retailer App and Biometric App day wise ID wise Usage report.

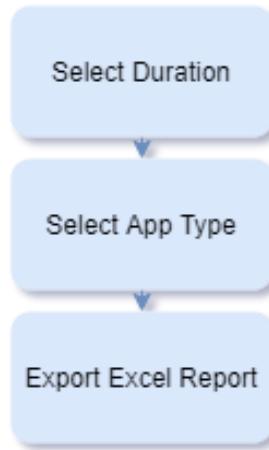
Report Format Retailer App: DD Code, Supervisor Name, RSO Code (RSO from RDB), SR Number, Retailer code, Date, itopup count, itopup amount, Amar Offer count, Amar Offer Amount, Usage duration, Activity count.

Report Format Biometric App: DD Code, Supervisor Name, RSO Code (RSO from RDB), SR Number, Retailer code, Date, New Connection, DD, SIM Swap, TOS, total transaction.

Direct Excel Export

Location: Special report

Filter: Duration (Date filtering), App Type.

Workflow:**Workflow Description**

1. Select Duration: The user will select the start and end date of the report.
2. Select App Type: The user will select the type of app the report will be generated for. Options are Retailer App and Biometric App.
3. Select region can be optional and multiple region can be selected if multiple region than distributor selection will be all, for Select Distributor All distributor will be default and user will also have option to select multiple distributor.
4. Export Excel Report: The user will download an excel file of the requested report.

User interface:

The screenshot shows the user interface of the Distribution Management System. The top navigation bar is orange and contains various system icons and links: TRANSACTION, POSM, REPORT, ITOP RPT, ADMIN, DEFINITION, PHY. RPT, SPOL. RPT, BIO DEVICE, and SEARCH. On the far right of the navigation bar is a 'Logout' button. Below the navigation bar is a light green search form. This form includes fields for 'START DATE/TIME' and 'END DATE/TIME' (each with a calendar icon), a dropdown menu for 'APP TYPE', a dropdown menu for 'REGION', and a dropdown menu for 'DISTRIBUTOR'. At the bottom of the search form is a green 'GET REPORT' button. At the very bottom of the page is a dark grey footer bar with the text 'Last successful login was: | Last unsuccessful login was:'.

Report Format Retailer App

DD Code	Supervisor Name	RSO Code (RSO from RDB)	SR Number	Retailer code	Date	Supervisor Name	RSO Code (RSO from RDB)	SR Number	Retailer code
Date	itopup count	itopup amount	Amar Offer count	Amar Offer Amount	Usage duration	Activity count			

Report Format Biometric App

DD Code	Supervisor Name	RSO Code (RSO from RDB)	SR Number	Retailer code	Date	New Connection	DD	SIM Swap	TOS	total transaction

Rules/Validation:

1. Start Date/time – Mandatory Field. Cannot be later than ‘End Date/time’.
2. End Date/time – Mandatory Field. Cannot be earlier than ‘Start Date/time’.
3. App Type – Mandatory Radio-button Field.

Dependency:

Based on data availability from source.

3.14. RSO App Report from SFTS Platform

Ref: FR14 (Business Recruitments Document)

Following reports need develop in DMS platform; currently it is developed in RSO App SFTS platform:

Reports:

- 1) Sales Call and Daily Attendance,
- 2) RSO Attendance & Path
- 3) RSO Target Vs Achievement
- 4) Notification on RSO Stock and Sales Section:

Filter: Date, Distributor, Region

Logic and Format is same as SFTS (1 to 3). Only in External module as per Distributor.

Location: Special report

User interface Sales Call and Daily Attendance (1):

Date	Route Name	RSO	Visit Target	Visited	Successful Sales Call	SIM Retailer Target	SIM Retailer Visited
14-JUN-2021	Kundar Para Busstand	RS022535	0	3	2	0	3
14-JUN-2021	Borsha Hall	RS001684	0	49	3	0	8
14-JUN-2021	KHALKULA ROAD	RS021810	0	30	3	0	12
14-JUN-2021	Sapa	RS020355	0	29	0	0	10
14-JUN-2021	Silamony	RS005429	0	11	4	0	8
14-JUN-2021	Chirir Bondor Outer	RS010826	0	1	1	0	1
14-JUN-2021	Banma Sador	RS020733	0	74	3	0	50
14-JUN-2021	PARULIA BAZAR	RS0028	0	36	0	0	5
14-JUN-2021	CHICH25ROSB	RS018394	0	31	0	0	4
14-JUN-2021	Kaharole Outer	RS010821	0	4	3	0	4

Rules/Validation:

- Develop this report in DMS as SFTS platform
- SP : SP_FF_GET_SALS_CAL_DAILY_ATEN

User interface RSO Attendance & Path (2):

Date	Route	RSO	Retailer Code	Retailer Location	Sales Call Location	Match	Details	
15-JUN-2021	BOALIA (BARBAR09_ROUTE49)	RS022538	R220027	x	22.5939949, 90.3365737	NO	UN	
15-JUN-2021	BASHTOLA - KAZI BARI ROAD (DHKD...)	RS019460	R264094	x	23.8644888, 90.4101032	NO	70	
15-JUN-2021	Rasel-2 (DHKDHK50_ROUTE21)	RS0227690	R433295	x	23.6948709, 90.4803011	NO	UN	
15-JUN-2021	Noyerhat_Khajurtek (DHKDHK43_R...	RS022053	R385780	x	23.9117267, 90.2364112	23.9115448, 90.2365671	NO	26
15-JUN-2021	SECTOR 14 - JAMTOLA (DHKDHK01_...	RS0580	R055050	x	23.8626581, 90.3849913	23.862617, 90.3849405	YES	7 M
15-JUN-2021	BEGUNBARI (DHKDHK10_ROUTE30)	RS010622	R298729	x	23.707282, 90.3937007	NO	UN	
15-JUN-2021	KHILKHET PANIR PUMP - BOTTLOLA (...)	RS019436	R425987	x	23.834279, 90.4283797	NO	UN	
15-JUN-2021	09 NO. KACHA BAZAR - ABDULLAH,...	RS008910	R231204	x	23.8796687, 90.396085	NO	UN	
15-JUN-2021	Sakhipur Sadar to Girls School Road...	RS017457	R400832	x	24.3210006, 90.1691953	NO	UN	
15-JUN-2021	RSO 52 Route Daily (CHICH08_ROU...	RS023310	R404660	x	22.3365929, 91.8263478	NO	UN	

Last successful login was: | Last unsuccessful login was:

Rules/Validation:

- Develop this report in DMS as SFTS platform
- SP Uses : SP_FF_GET_RSO_ATTENDANCE_PATH

User interface RSO Target Vs Achievement (3):

RSO Code	RSO Name	Dist Code	Dist Name	Target Value	Achieved Value	Pro Rated Target	Current RR	Required RR
RS014227	MD RASEL	DHKDHK29	InGen Technology Limited	0	0	0	0	0
RS019831	KAMAL HOSSAIN	DHKDHK29	InGen Technology Limited	349375	163042	163042	0	21836
RS016780	JAMAL SARDER	DHKDHK29	InGen Technology Limited	815117	380388	380388	0	50945
RS016761	AYUB ALI 2	DHKDHK29	InGen Technology Limited	56162	26209	26209	0	3510
RS016761	AYUB ALI 2	DHKDHK29	InGen Technology Limited	220	103	103	0	14
RS016764	MD MUNNA	DHKDHK29	InGen Technology Limited	658731	307408	307408	0	41171
RS014213	RAZU SIKDER FAHAMI	DHKDHK29	InGen Technology Limited	600979	280457	280457	0	37561
RS014215	MD SHOHIDUL ISLAM	DHKDHK29	InGen Technology Limited	58060	27095	27095	0	3629
RS014215	MD SHOHIDUL ISLAM	DHKDHK29	InGen Technology Limited	272864	127337	127337	0	17054
RS014229	JAFOR IQBAL	DHKDHK29	InGen Technology Limited	378558	176660	176660	0	23660

Last successful login was: | Last unsuccessful login was:

Rules/Validation:

- Develop this report in DMS as SFTS platform
- SP Uses : SP_FF_GET_RSO_TARGET_ACHIEVE

Notification on RSO Stock and Sales Section (4)**Workflow Diagram:**

Workflow Description:

1. Enter Duration: The user will specify the start date and end date of the report.
 2. Select Cluster: The user will select the Cluster for the report (Internal)
 3. Select Region: The user can choose one or multiple Region. (Internal)
 4. Distributor automatically selected as per user – distributor mapping (External)
 5. Get Report: The user will download the report in excel.

Report Interface



DISTRIBUTION
MANAGEMENT
SYSTEM

TRANSACTION POSM REPORT I'TOP RPT ADMIN DEFINITION PHY. RPT SPCL. RPT BIO DEVICE SEARCH

DD:
Logout

START DATE/TIME

END DATE/TIME

REGION

DISTRIBUTOR

Rules/Validation:

1. Start Date/time – Mandatory Field. Cannot be earlier than current date-time. Cannot be later than ‘End Date/time’.
 2. End Date/time – Mandatory Field. Cannot be earlier than ‘Start Date/time’.
 3. Cluster - Report can be filtered by cluster.
 4. Region - Report can be filtered by All Region or Selected Region. If Region is selected only respective Distributor data will be shown in the Distributor list also in report data.
 5. Distributor – Report can be filtered by all distributor or Selected Distributor. If Region is selected only respective Distributor data will be shown in report data.

Report Format:

A report will be made available in DMS with details on RSO wise lifting vs sales.

- **Details:** Date, region, distributor, Supervisor code, RSO code, SR number, SIM Price, SIM Qty (Lifting), SIM Qty (sales), SC Price, SC Lifting, SC sales, itopup Lifting, itopup sales.

- Summary:** Region, Distributor, RSO Code, supervisor code, Month, SIM Target, SIM Lifting, SIM Sales, SC target, SC Lifting, sc sales, itopup target, itopup lifting, itopup sales

Month	Region	Distributor Code	Supervisor code	RSO code	SR Number	SIM Target	SIM Lifting	SIM Sales	SC target	SC Lifting	SC sales	itopup target	itopup lifting	itopup sales

3.15. Usage Report

Ref: FR15 (Business Requirements Document)

It is Report, ongoing report delivered by BI team. Facilitate in DMS directly now its develop in DMS Platform

Rules and Validation:

- 3-month record preserve and daily refresh direct replace of old data

Filter: FCD Date (Report will be viewed based on DWH received data and no logic will be implemented at DMS end.

Dependency

- DWH

Location: Physical report

Report Header: Distributor Code, Supervisor Name, RSO Code, SR Number, Retailer Code, retailer l'top-up number, Customer MSISDN, Bio Date, FCD Date, 1st FR Amount, Usage Amount, 1st FR Date, 2nd FR Date, LCD;

Report Format

Distributor Code	Supervisor Name	RSO Code	SR Number	Retailer Code	retailer l'top-up number	Customer MSISDN	Bio Date	FCD Date	1st FR Amount	Usage Amount	1st FR Date	2nd FR Date	LC D

3.16. Content Upload

Ref: FR16 (Business Requirements Document)

Description:

Option to upload and manage multimedia content and control the viewing of content by marking as active/inactive. Content formats are as follows:

1. Audio
2. Video

3. APK
4. PDF

Content size file me around 30 MB for APK and 10-50 MB for Audio & Video. Content that is uploaded must be downloadable by multiple users at the same time.

Content Upload Workflow:



Workflow Description:

1. The user will select upload content from the communication option
2. The user will write the title of the content being uploaded
3. The user will click on upload and upload the content from their local PC
4. The user will select the active option to publish the content or leave it unchecked to keep it marked as an inactive draft.
5. The user will click the green upload button to confirm the upload.

Content Upload User Interface:

CONTENT

* NAME:

* UPLOAD FILE:

* IS ACTIVE ? YES NO

Last successful login was: | Last unsuccessful login was:

Rules/Validation:

- Name – Mandatory Field.
- Upload file – Mandatory Field.
- APK file size cannot be larger than 30 MB.
- AV file size cannot be larger than 50 MB.
- Is Active – Mandatory Radio-button Field.
- Edit option to change inactive to NO.

Manage Content User Interface:

MANAGE CONTENT

CONTENT	UPLOAD	ACTION
TEST DOWNLOADABLE CONTENT AV	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<input type="button" value="DOWNLOAD"/> <input type="button" value="DELETE"/>

Last successful login was: | Last unsuccessful login was:

View Content User Interface:**Rules and Validations**

- Only Active Content Shown
- Latest Content Shown on top
- Multi user download at the same time supported

3.17. Scheduled Transfer to and RSOs stock balance (External DMS)

Ref: FR17 (Business Requirements Document)

Description:

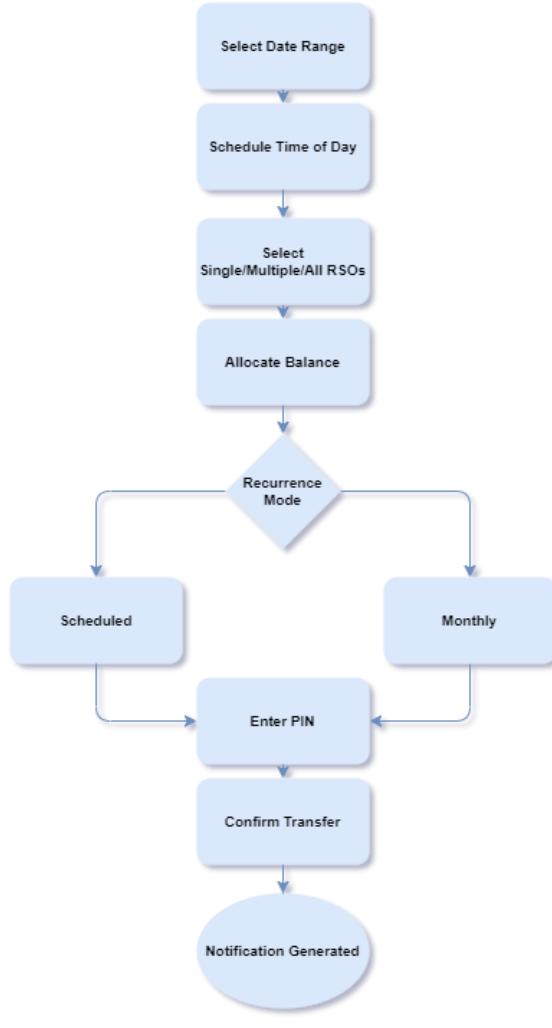
Features to issue stock balance to RSOs, receive notifications and receive returns.

Workflow:

CONTENT	UPLOAD	DOWNLOAD
TEST DOWNLOADABLE CONTENT AV	01-02-2021	<button>DOWNLOAD</button>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<button>DOWNLOAD</button>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<button>DOWNLOAD</button>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<button>DOWNLOAD</button>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<button>DOWNLOAD</button>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<button>DOWNLOAD</button>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<button>DOWNLOAD</button>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<button>DOWNLOAD</button>
TEST DOWNLOADABLE CONTENT APK	01-02-2021	<button>DOWNLOAD</button>

Last successful login was: | Last unsuccessful login was:

Schedule Transfer to RSO:



1. Select Date Range: The user will select the Start Date and End Date for which defines the duration of the transfer schedule.
2. Schedule Time of Day: The user will select the time of day when the transfer will take place.
3. Select Single/Multiple/All RSOs: The user will select one, several or all RSOs by clicking on the checkboxes. These are the RSOs for whom the transfers will be valid.
4. Allocate Balance: The user will allocate the balance to the select RSOs for select days of the week. The balance will be transferred to the selected RSO on the day of the week that is selected.
5. Select Recurrence Mode: The user will select one of two options for the recurrence of the transfer schedule.
 - a. Scheduled: If the scheduled option is selected, the transfer will repeat on the days that have balances allocated to them for the duration of the Start Date and End Date period. For example, if an RSO is assigned a scheduled balance for Sunday

and Monday, the RSO will receive the balance on every Sunday and Monday automatically until the End Date.

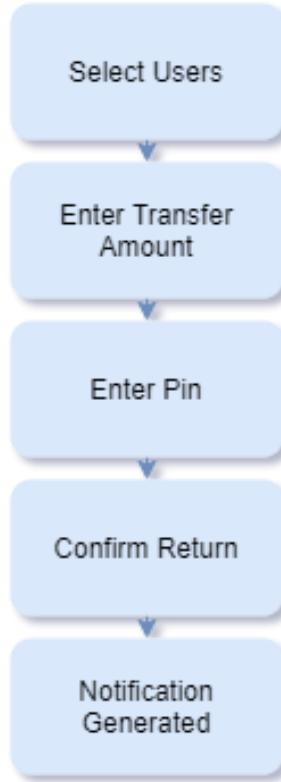
- b. Monthly: This mode allows the selected RSO to receive a balance on selected days, once in a month. The cycle repeats every month. For example, if an RSO is allocated a balance on Sunday and Monday, he will receive the balance first on the next occurring Sunday and Monday and then will receive the balance again on the first Sunday and Monday that occurs in the next month. This process will cycle until the End Date is reached.
6. Enter Pin: The user will enter the pin to authorize the transfer.
 7. The user will click on submit and this will confirm the transfer. All transfers will be shown on the transfer list where the user can edit or cancel them.
 8. Notification Generated: Notifications for all events like this will be generated as per user hierarchy.

Balance Return:



1. Select Users: The user will go to the return section where he can see the RSOs who have pending returns. The user will select the RSOs from whom the returns will be taken.
2. Enter PIN: The user will enter the EV PIN number.
3. Confirm Return: The user will click submit and the return will complete.
4. Notification Generated: Notifications for all events like this will be generated as per user hierarchy.

Balance Return (Custom Amount):



1. Select Users: The user will go to the return section where he can see the RSOs who have pending returns. The user will select the RSOs for whom the returns will be taken.
2. Enter Transfer Amount: The user will enter the transfer amount which will be returned from the RSO to the Distributor.
3. Enter PIN: The user will enter the EV pin.
4. Confirm Return: The user will confirm the transfer and the return of the specified amounts will complete.
5. Notification Generated: Notifications for all events like this will be generated as per user hierarchy.

User Interface for Schedule Transfer creation:

SCHEDULE TRANSFER TO AND RSO'S STOCK BALANCE

SELECT RSO	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	RECURRENCE
<input type="checkbox"/> RSO001								<input type="radio"/> SCHEDULED <input type="radio"/> MONTHLY
<input type="checkbox"/> RSO002								<input type="radio"/> SCHEDULED <input type="radio"/> MONTHLY
<input type="checkbox"/> RSO003								<input type="radio"/> SCHEDULED <input type="radio"/> MONTHLY
<input type="checkbox"/> RSO004								<input type="radio"/> SCHEDULED <input type="radio"/> MONTHLY

PIN: XXXXXX

SCHEDULE

Last successful login was: | Last unsuccessful login was:

Instant Balance Transfer UI

INSTANT TRANSFER BALANCE TO RSO

SELECT	RSO	BALANCE
<input type="checkbox"/>	RSO01	
<input type="checkbox"/>	RSO02	
<input type="checkbox"/>	RSO03	
<input type="checkbox"/>	RSO04	

PIN: XXXXXX

CONFIRM TRANSFER

Last successful login was: | Last unsuccessful login was:

User Interface for Schedule Transfer View:

USER INTERFACE (INDEX)

SL. NO.	POST DETAILS	START DATE	END DATE	FREQUENCY	STATUS	ACTION	ACTION
1	POST DETAILS	1-2-2021	30-05-2021	INSTANT	ACTIVE	EDIT	REMOVE
2	POST DETAILS	1-2-2021	30-05-2021	WEEKLY	ACTIVE	EDIT	REMOVE
3	POST DETAILS	1-2-2021	30-05-2021	MONTHLY	ACTIVE	EDIT	REMOVE
4	POST DETAILS	1-2-2021	30-05-2021	DAILY	ACTIVE	EDIT	REMOVE
5	POST DETAILS	1-2-2021	30-05-2021	INSTANT	INACTIVE	EDIT	REMOVE
6	POST DETAILS	1-2-2021	30-05-2021	WEEKLY	INACTIVE	EDIT	REMOVE
7	POST DETAILS	1-2-2021	30-05-2021	MONTHLY	INACTIVE	EDIT	REMOVE
8	POST DETAILS	1-2-2021	30-05-2021	DAILY	INACTIVE	EDIT	REMOVE
9	POST DETAILS	1-2-2021	30-05-2021	INSTANT	INACTIVE	EDIT	REMOVE

Last successful login was: | Last unsuccessful login was:

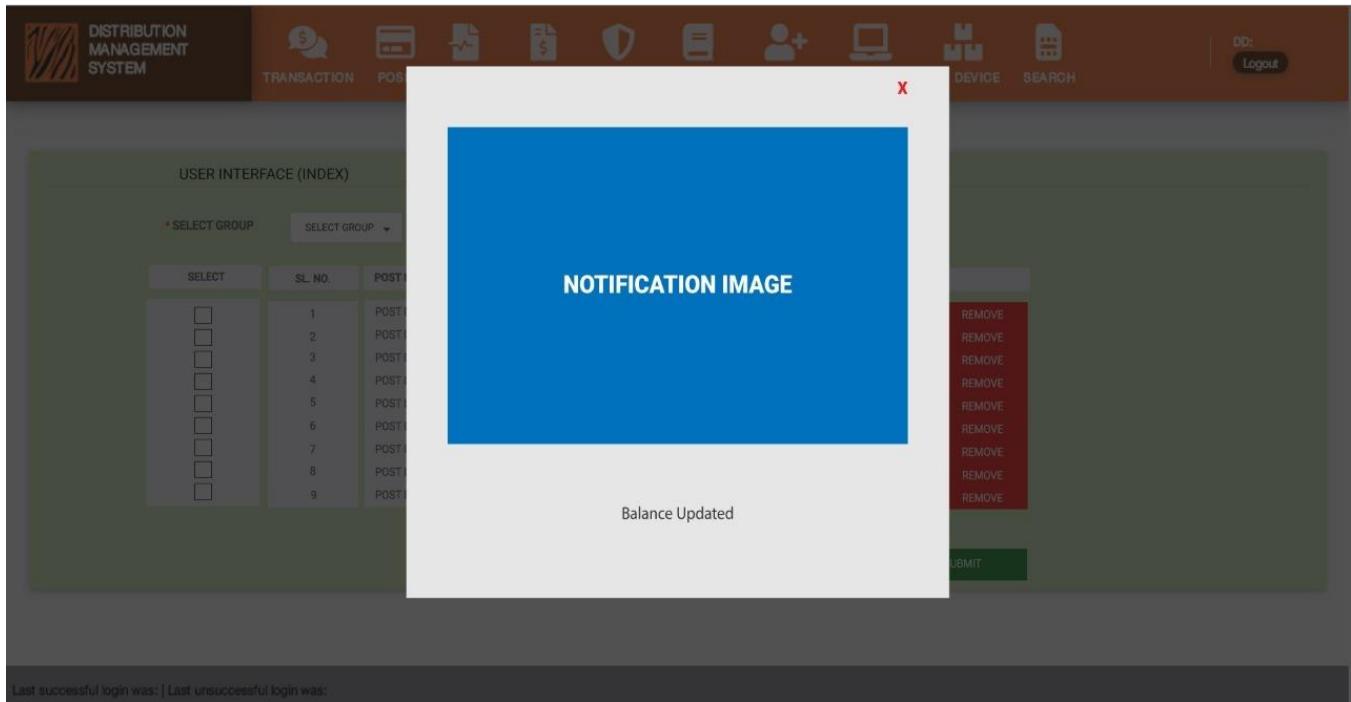
User Interface for Schedule Transfer and Notification:

Balance Updated

ID	Name	Description	Status	Action
1	POST DETAILS	1-2-2021	30-05-2021	INSTANT
2	POST DETAILS	1-2-2021	30-05-2021	WEEKLY
3	POST DETAILS	1-2-2021	30-05-2021	MONTHLY
4	POST DETAILS	1-2-2021	30-05-2021	DAILY
5	POST DETAILS	1-2-2021	30-05-2021	INSTANT
6	POST DETAILS	1-2-2021	30-05-2021	WEEKLY
7	POST DETAILS	1-2-2021	30-05-2021	MONTHLY
8	POST DETAILS	1-2-2021	30-05-2021	DAILY
9	POST DETAILS	1-2-2021	30-05-2021	INSTANT

Last successful login was: | Last unsuccessful login was:

User Interface for Notification View



User Interface for Balance View and Return for Full

The screenshot shows a table titled "USER INTERFACE (INDEX)" with columns for SELECT, SL. NO., USER NAME, MOBILE NO., CATEGORY, USER STATUS, PRODUCT, and AVAILABLE BALANCE. The data is as follows:

SELECT	SL. NO.	USER NAME	MOBILE NO.	CATEGORY	USER STATUS	PRODUCT	AVAILABLE BALANCE
<input type="checkbox"/>	1	RAHIM	012345678911	CAT-1	ACTIVE	PRODUCT-1	500
<input type="checkbox"/>	2	KARIM	012345678911	CAT-1	ACTIVE	PRODUCT-1	500
<input type="checkbox"/>	3	POLASH	012345678911	CAT-1	ACTIVE	PRODUCT-1	500
<input type="checkbox"/>	4	KAJOL	012345678911	CAT-1	INACTIVE	PRODUCT-1	500

Below the table, there are fields for TOTAL (2000), PIN (empty), and SUBMIT (green button). At the bottom, a status bar says "Last successful login was: | Last unsuccessful login was:"

User Interface for Partial Return

<input type="checkbox"/> SELECT	SL. NO.	NAME OF RSO	RSO MSISON	CURRENT BALANCE	BALANCE UPDATE TIME	TRANSFER AMOUNT	TO BE BALANCE	STATUS
<input type="checkbox"/>	1	RSO-1	MSISDN-123	500000	1-2-2021 10:50 AM		500000	ACTIVE
<input type="checkbox"/>	2	RSO-1	MSISDN-123	40000	1-2-2021 10:50 AM		40000	ACTIVE
<input type="checkbox"/>	3	RSO-1	MSISDN-123	30000	1-2-2021 10:50 AM		30000	INACTIVE
<input type="checkbox"/>	4	RSO-1	MSISDN-123	10000	1-2-2021 10:50 AM		30000	ACTIVE
<input type="checkbox"/>	5	RSO-1	MSISDN-123	500000	1-2-2021 10:50 AM		30000	ACTIVE
<input type="checkbox"/>	6	RSO-1	MSISDN-123	40000	1-2-2021 10:50 AM		30000	ACTIVE
<input type="checkbox"/>	7	RSO-1	MSISDN-123	500000	1-2-2021 10:50 AM		30000	ACTIVE

TOTAL XXXXX XXXXX 590000
 PIN XXXXX

SUBMIT

Last successful login was: | Last unsuccessful login was:

Report format for Transfer Enquiry

Transfer ID	Transfer date & time	Sub service	Product name	Sender name	Sender mobile number	Receiver mobile number	Transfer value	Request source	Txn status	Error message	Serial number	Reversal ID

Rules & Validation

1. Start Date/time – Mandatory Field. Cannot be earlier than current date-time. Cannot be later than ‘End Date/time’.
2. End Date/time – Mandatory Field. Cannot be earlier than ‘Start Date/time’.
3. Schedule will be valid ONLY for defined time.
4. At least one RSO must be selected to allocate / schedule any balance.
5. Recurrence – Mandatory Field. Need to specify if allocation is scheduled or instant.
6. For a defined time range if ‘Instant’ is selected, Balance will allocate for a particular day only ONCE.
7. For a defined time range if ‘Scheduled’ is selected, Balance will allocate as many times the day of the week appear in the time range.

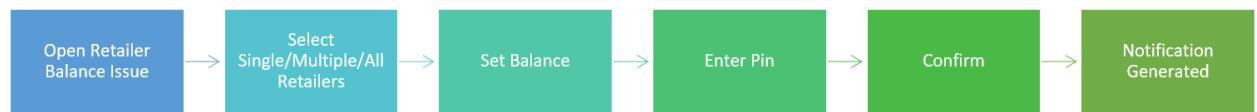
- 8. For a defined time range if ‘Monthly’ is selected, Balance will allocate only once in a month at the defined day in the time range.
- 9. At least one RSO must be selected to return balance.
- 10. All available balance on RSO can be returned to the mother SIM in FULL or Partial basis.
- 11. Wrong allocation should be checked by user.
- 12. Return amount cannot exceed available amount in any case.
- For instant transfer Input will be RSO selection and balance allocation.
- ++Specify a Start time in this format: YYYY-MM-DDTHH:MM:SSZ. If user specifies schedule or recurrence under Frequency, need to specify the time of day when the flow should run. If you specified Day under Frequency, specify the time of day when the flow should run. For example, configure the options as shown to start a flow on Saturday, January 1, 2022, at 8:30 AM.
- Add Week option under recurrence.
- For schedule or recurrence instead of “confirm Transfer” the event will be scheduled.

3.18. Scope of issuing to respective retailers bypassing RSO

Ref: FR18 (Business Requirements Document)

Description: Features to directly issue balance to retailers and migrate them.

Workflow:

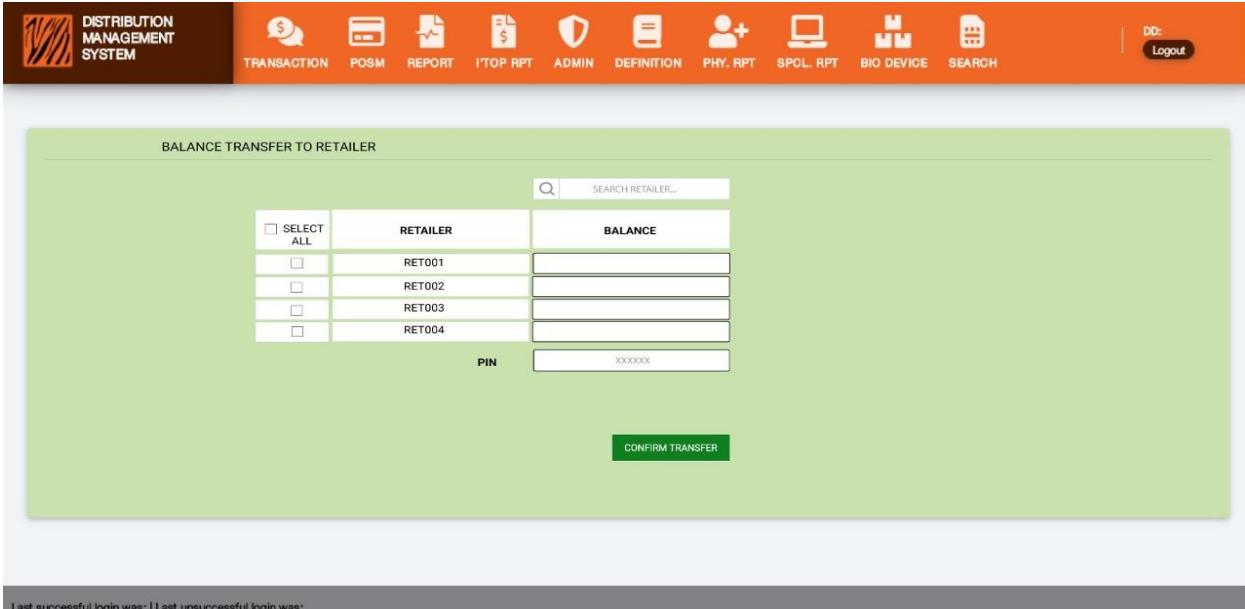


Directly Issue Balance to Retailer:

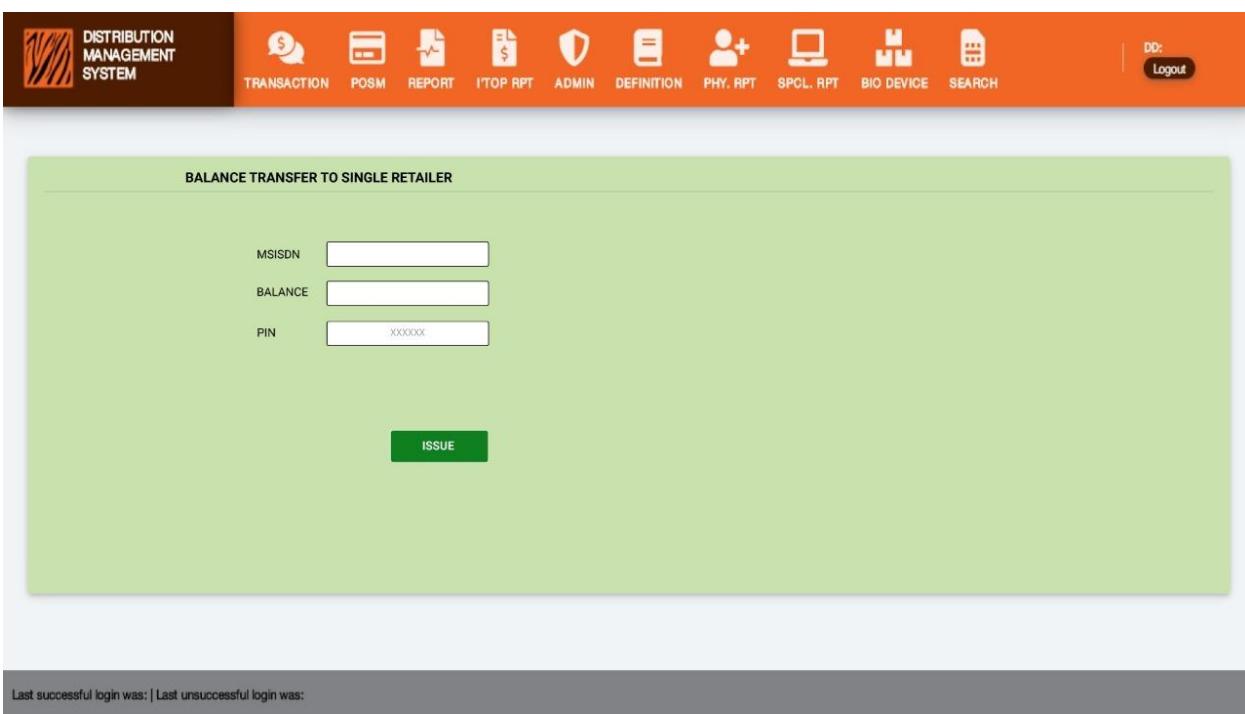
1. Open Retailer Balance Issue: The user will go to the Issue Balance section for the retailer.
2. Select Single/Multiple/All Retailers: This is used to select retailers in bulk.
3. Set Balance: The user will view a list of retailers with balance fields beside the retailer names. The user will enter the balance to be issued to every specific retailer.
4. Enter Pin: The user will enter his PIN.
5. Confirm: The user will click submit to confirm the balance issuance.

6. Notification Generated: Notifications for all events like this will be generated as per user hierarchy.

Interface for Issue Balance to Retailer



The screenshot shows a web-based application for managing distribution. At the top, there's a dark brown header bar with the system name "DISTRIBUTION MANAGEMENT SYSTEM" and a logo. To its right is an orange navigation bar containing icons for various functions: TRANSACTION, POSM, REPORT, ITOP RPT, ADMIN, DEFINITION, PHY. RPT, SPCL. RPT, BIO DEVICE, and SEARCH. On the far right of the orange bar are "DD:" and "Logout" buttons. Below the orange bar is a light green content area titled "BALANCE TRANSFER TO RETAILER". It features a search bar labeled "SEARCH RETAILER..." with a magnifying glass icon. A table lists four retailers (RET001, RET002, RET003, RET004) with their respective balance amounts (XXXXXX). There's also a "PIN" field at the bottom of the table. A "CONFIRM TRANSFER" button is located at the bottom right of the green area. At the very bottom of the page, there's a grey footer bar with the text "Last successful login was: | Last unsuccessful login was:".

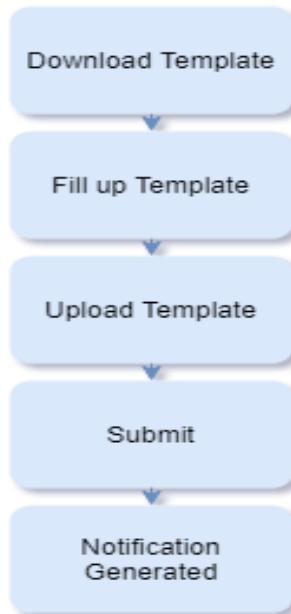


This screenshot shows another view of the Distribution Management System. The top structure is identical to the previous one, with the "DISTRIBUTION MANAGEMENT SYSTEM" header, an orange navigation bar with various icons, and a "Logout" button. The main content area is titled "BALANCE TRANSFER TO SINGLE RETAILER". It contains three input fields: "MSISDN" (with a placeholder box), "BALANCE" (with a placeholder box), and "PIN" (with a placeholder box containing "XXXXXX"). Below these fields is a green "ISSUE" button. Like the first screenshot, it includes a grey footer bar at the bottom with the message "Last successful login was: | Last unsuccessful login was:".

Report Format for Real-time Stock Balance

Retailer Code	Retailer Name	Retailer MSISDN	User Type	User Category	Product Name	Retailer Balance	Parent/RSO Name	RSO MSISDN	Distributor Code

Retailer Migration: (depends on EV API Availability)



1. Download Template: The user will enter the Retailer Migration section and download an excel template that contains a list of all retailers under the user's RSOs.
2. Fill up Template: The user will fill up the template with the New RSO Codes (the RSO where the retailer will be migrated). This can be done for one, several or all retailers in the template.
3. Upload Template: The user will upload the filled in template and click the upload button.
4. Submit: The user will click submit and confirm the migration.
5. Notification Generated: Notifications for all events like this will be generated as per user hierarchy.

User Interface for Retailer Migration:

The screenshot shows the DMS interface with a dark blue header bar containing the system logo and name "DISTRIBUTION MANAGEMENT SYSTEM". Below the header is a navigation menu with icons and labels: TRANSACTION, POSM, REPORT, ITOP RPT, ADMIN, DEFINITION, PHY. RPT, SPOL. RPT, BIO DEVICE, and SEARCH. On the far right of the header is a "DD: Logout" button. The main content area has a light green header titled "RETAILER MIGRATION". Below this, there is a section for "DOWNLOAD EXCEL TEMPLATE" with a "DOWNLOAD" button. A "UPLOAD EXCEL" input field is present with an "UPLOAD" button next to it. At the bottom right of the green area is a "SUBMIT" button. At the very bottom of the page, there is a dark grey footer bar with the text "Last successful login was: | Last unsuccessful login was:".

Excel Format for Retailer Migration

Existing RSO CODE	Retailer Code	Retailer Name	New RSO Code
RSO1	RET1	Retailer	
RSO2	RET2	Retailer	
RSO3	RET3	Retailer	
RSO4	RET4	Retailer	

User Interface for Retailer Migration Log View:

Rules & Validation

1. Start Date/time – Mandatory Field. Cannot be earlier than current date-time. Cannot be later than ‘End Date/time’.
 2. End Date/time – Mandatory Field. Cannot be earlier than ‘Start Date/time’.
 3. Distributor can allocate balance to Retailer (i-top up seller) directly.
 4. Balance will be allocated to the retailer instant basis.
 5. At least one retailer must be selected to allocate balance.
- Add enter EV PIN
 - Make different flows for transferring to the Single and multiple retailers
 - Add filter/search option in respective UI for Retailer, RSO search.
 - Make different flows for transferring to the Single and multiple retailers

3.19. Scope of EV reports or transactional reports extractions in real-time or highest possible frequency for the DD with available filtering option of fields

Excel report format: (based on data availability from DWH)

1. C2C EV report

Owner Profile	Parent Profile	From User Id	To User Id	From User	From Msisdn	To User	To Msisdn	Transfer Id	Transfer Sub Type	Transfer Type	Transfer Date	Modified ON	Product Name	Transfer Mrp	Payable Amount	Payable Amount	Status	MRP
Milon Enterprise (191530 0105)	Milon Enterprise (191530 0105)	BDDE00007 70839	BDDI000076 9008	SR-10	194100 4097	Milon Enterpris e 0105	191530 .240001	CW210606.0059	Withd raw	C2C	6/6/2021 AM	12:59 :44	eTop UP	2998	2998	2998	Close	2998
Milon Enterprise (191530 0105)	Milon Enterprise (191530 0105)	BDDE00007 70839	BDDI000076 9008	SR-10	194100 4097	Milon Enterpris e 0105	191530 .210001	CW210606.0058	Withd raw	C2C	6/6/2021 AM	12:58 :07	eTop UP	2662 1	2662 1	2662 1	Clos e	2662 21

Commission	Commission Quantity	Credit Debit Quantity	Tax 3 Val ue	Tax 2 Val ue	er Category Code	ver Category Code	er Category Name	er Category Name	SOURCE	User ge o	To owner Geo	User Ge o	m Owner Geo	From ExtCode	To ExtCode	
0	0	2998	2998	0	0	DEL R	DIST	Deale r	Distrib utor	SMS	ZO	ZO	SA R	ZO	194100 4097	191530 0105
0	0	2662 1	2662 1	0	0	DEL R	DIST	Deale r	Distrib utor	SMS	ZO	ZO	SA R	ZO	194100 4097	191530 0105

2. C2S EV reports.

Transaction Id	Transfer Time	Request Source	User Name	Sender Mobile No.	Sender Mobile Type	Receiver Mobile No.	Service Class	Service	Currency Detail
R210606.0900.240003	9:00:00 AM	EXTGW	Maksud Store Maksud Store	1902694473	Y	1993942192	ALL	Customer Recharge	
R210606.0900.230002	9:00:00 AM	EXTGW	MS D Telecom	1915306022	Y	1404307560	ALL	Customer Recharge	

External Code	Sub Service	Reference ID	Requested Amount	Credit Amount	Bonus	Process Fee
R377370	CVG	8.82E+18	29	29	0	0
1915306022	CVG	6.61E+18	68	68	0	0

Dependency:

Data availability from DWH source.

3.20. Modification in Merchandiser/POSM Option

Ref: FR20 (Business Requirements Document)

Description:

Modification in Merchandiser/POSM option:

- 1) Excel list generate for options: Category Setup, Type setup, Service setup, material setup, size setup, outlet setup, artwork setup, item setup.
- 2) Report modification: Transaction = Transaction date; Total Issue = Total Issue to Distributor; Total Receive = Total Received by Distributor; Exclude Last column
- 3) RSO App and DMS Merchandiser table synch

User Interface for Category:

CATEGORY LIST			EXPORT	+ Add New
Show	10	entries	Search:	
Code	Category Name	Action		
3434	dfdfd	Edit Delete		
454645	frewret	Edit Delete		
4567	test123	Edit Delete		
CAT-20	test	Edit Delete		
CAT-2013	Cloth Banners	Edit Delete		
CAT-2013-0003	bunting321	Edit Delete		
CAT-2013-00034	Poster	Edit Delete		
CAT-2013-00035	Bunting	Edit Delete		
CAT-2013-00037	PVC Banner	Edit Delete		
CAT-2013-00040	Festoon	Edit Delete		

Showing 1 to 10 of 44 entries

First Previous **1** 2 3 4 5 Next Last

Last successful login was: [Last unsuccessful login was:]

- Export Option added in this view

User Interface for Type List

Code	Type Name	Action
TYP-2013-00020	Not Applicable	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
TYP-2020-00001	babu mahbub	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
TYP-2020-00002	minhaz bhaiiii	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
TYP-2020-00003	hello	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
TYP-2020-00012	ADD TYPE	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
TYP-2020-00013	ADD TYPEADD TYPE	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
TYP-2020-00018	i'top-up & Scratch Card	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
TYP-2020-00019	i'topup & Scratch Card	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
TYP-2020-00020	new Campaign	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Showing 1 to 9 of 9 entries

First Previous **1** Next Last

Last successful login was: | Last unsuccessful login was:

- Export Option added in this view

User Interface for Service List

Code	Service Name	Action
SER-2013-00025	MFS Bills Pay	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2013-00027	MFS JBC	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2013-00028	MFS Qubee	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2013-00029	MFS Western Union	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2013-00030	VAS	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2013-00031	Not Applicable	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2020-00003	NEW_SER_1	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2020-00008	ADD SERVICE	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2020-00009	ADD SERVICE2	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
SER-2020-00017	MFS Bill's Pay	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Showing 1 to 10 of 11 entries

First Previous **1** 2 Next Last

Last successful login was: | Last unsuccessful login was:

- Export Option added in this view

User Interface for Material List

The screenshot shows the 'MATERIAL LIST' page of the Distribution Management System. At the top, there is a navigation bar with icons for Transaction, POSM, Report, ITOP RPT, Admin, Definition, Phy. RPT, Spcl. RPT, Bio Device, and Search. On the right side of the header, there is a user profile for 'Sayed Md Mainul Haque DD:' and a 'Logout' button. Below the header, the page title 'MATERIAL LIST' is displayed, along with 'EXPORT' and '+ Add New' buttons. A search bar is also present. The main content area contains a table with columns for 'Code', 'Material Name', and 'Action'. The table lists 12 entries, including 'Board', 'Others-32', 'Not Applicable', 'Cloth', 'hello', 'mate-1', 'test case material 2020', 'ADD MATERIAL', 'ADD MATERIAL2', and '120 gsm Art Paper'. Each row has 'Edit' and 'Delete' buttons. At the bottom of the table, it says 'Showing 1 to 10 of 12 entries' and includes navigation links for First, Previous, Next, and Last.

Code	Material Name	Action
MAT-2013-00022	Board	Edit Delete
MAT-2013-00023	Others-32	Edit Delete
MAT-2013-00024	Not Applicable	Edit Delete
MAT-2013-00025	Cloth	Edit Delete
MAT-2020-00006	hello	Edit Delete
MAT-2020-00007	mate-1	Edit Delete
MAT-2020-00011	test case material 2020	Edit Delete
MAT-2020-00014	ADD MATERIAL	Edit Delete
MAT-2020-00015	ADD MATERIAL2	Edit Delete
MAT-2020-00021	120 gsm Art Paper	Edit Delete

- Export Option added in this view

User Interface for Size List

The screenshot shows the 'SIZE LIST' page of the Distribution Management System. The layout is similar to the Material List page, with a navigation bar at the top and a user profile on the right. The page title 'SIZE LIST' is displayed, along with 'EXPORT' and '+ Add New' buttons. A search bar is also present. The main content area contains a table with columns for 'Code', 'InvSize Name', and 'Action'. The table lists 8 entries, including 'ADD INVSIZE2', 'ADD INVSIZE3', 'qwertyuiop', 'Small', 'Regular', 'Big', 'card', and 'abh'. Each row has 'Edit' and 'Delete' buttons. At the bottom of the table, it says 'Showing 1 to 8 of 8 entries' and includes navigation links for First, Previous, Next, and Last.

Code	InvSize Name	Action
SIZ-2020-00007	ADD INVSIZE2	Edit Delete
SIZ-2020-00008	ADD INVSIZE3	Edit Delete
SIZ-2020-00009	qwertyuiop	Edit Delete
SIZ-2020-00015	Small	Edit Delete
SIZ-2020-00016	Regular	Edit Delete
SIZ-2020-00017	Big	Edit Delete
SIZ-2020-00018	card	Edit Delete
SIZ-2020-00019	abh	Edit Delete

- Export Option added in this view

User Interface for Outlet Type

OUTLET TYPE LIST

Code	Outlet Type Name	Action
OUT-2013-00021	SIM and Recharge	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00022	PCO	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00023	OCP	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00024	Bills Payy	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00025	BSP Platinum	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00026	BSP Regular	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00027	BP	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00028	M.Remittance	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00029	Partner Outlets	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
OUT-2013-00031	Others	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Showing 1 to 10 of 18 entries

First Previous 1 Next Last

Last successful login was: | Last unsuccessful login was:

- Export Option added in this view

User Interface for Artwork List

ARTWORK LIST

Code	ArtWork Name	Action
ART-2013-00011	Co Branded	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
ART-2013-00012	Others	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
ART-2020-00008	ADD ARTWORK	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
ART-2020-00009	ADD ARTWORK1	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
ART-2020-00013	Dye Cut	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Showing 1 to 5 of 5 entries

First Previous 1 Next Last

Last successful login was: | Last unsuccessful login was:

- Export Option added in this view

User Interface for Item List


**DISTRIBUTION
MANAGEMENT
SYSTEM**

TRANSACTION
 POSM
 REPORT
 ITOP RPT
 ADMIN
 DEFINITION
 PHY. RPT
 SPCL. RPT
 BIO DEVICE
 SEARCH

Sayed Md Maimun
 Haque
 DO:
[Logout](#)

ITEM LIST

[EXPORT](#)
[+ Add New](#)

Product Code

Product Name

Tent. Launch Date

Act. Launch Date

Category

Type

Service

Material

Size

Outlet Type

Artwork

Search

Show entries
Search:

Product Code	Item Name	TLaunch Date	ALaunch Date	Category Name	Type Name	Service Name	Material Name	Size Name	Outlet Name	Artwork Name	Is Active
No data available in table											

Showing 0 to 0 of 0 entries
First
Previous
Next
Last

[Export Item](#)
[Export Item with Stock](#)

Last successful login was: | Last unsuccessful login was:

- Export Option added in this view

Report modification format for Issue Item to Distributor

Transaction Code	Product Name	Transaction date	Total Issue to Distributor	Total Received by Distributor	Total Return Qty
TR-2013-00051	Poster New Connection Offer August 2014 Regular	08-Oct-13	166	166	0

Report modification format for Issue to Distributor

Product Name	Transaction Date	Distributor Code	Total Issue Qty	Receiving Date	Receive Qty
Poster New Connection Offer August 2014 Regular	08-Oct-20	DHKDHK01	166	09-Oct-20	166
Poster New Connection Offer August 2014 Regular	08-Oct-20	DHKDHK31	200		0

Report modification format Issue to Market report

Report modification format for Transaction Summary

DISTRIBUTORNAME	DISTRIBUTOR Code	TRANSACTIONTYPE	CATEGORY	TYPE	PRODUCTNAME	PRODUCTCODE	Size	Create Date	Created by
XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX

3.21. Show RSO Routes in Retailer Page

Ref: FR21 (Business Requirements Document)

Description:

In Retailer Page when RSO Code is selected, itopup SR number is updated, similarly routes of that RSO will appear, and operator will select the route from the same page.

A new option will be made available in Service details section:

Select Route (1 or Multiple): Route1, Route2, Route3, Route4

User Interface for Retailer:

- RSO Route will appear while select RSO from Dropdown
- Retailer TIN/E-TIN number input field required.
- Validation for Trade license: Trade license number should be mandatory if Retailer is Enabled(Y) and SIM Seller(Y) for both New Retailer creation and Edit retailer.
- Validation Apply in NID Field (both for New and Edit retailer):
 - Must: NID cannot be blank, NID Must be 10 / 13 /17 digits
 - Optional: Same Digits Like (0000000, 222222, 444444) will not be accepted, Trend/Sequence number like (123456) will not be accepted.

3.22. Menu Item Rearrange

Ref: FR22 (Business Requirements Document)

Description: Rearrange the following reports with Menu

Menu	Submenu 1	Submenu 2
Report	Biometric	New registration Re-Verification
	Receive/Return	RECEIVE SIM FROM WAREHOUSE REPORT RETURN SIM TO WAREHOUSE REPORT PENDING SIM RETURN TO WAREHOUSE REPORT RECEIVE SIMS FROM RETAILER REPORT
Special Report	EV Operations Report	EV RETAILER SYNC PENDING SUMMARY EV RETAILER SYNC PENDING DETAILS EVSYSTEM TASK STATUS
		INVENTORY OVERVIEW REPORT TRANSACTION OVERVIEW REPORT
	DISTRIBUTOR ACCOUNT	DISTRIBUTOR COMMISSION (DETAILS) DISTRIBUTOR COMMISSION (SUMMARY) DISTRIBUTOR PAYOUT DISTRIBUTOR FLOOR IMEI REPORT DISTRIBUTOR INCOME REPORT DISTRIBUTOR TAX ON COMMISSION
	RSO Wise REPORT	RSO COMMISSION REPORT RSO CALENDAR REPORT RSO DETAILS REPORT
	RETAILER wise REPORT	RETAILER MIGRATION SUMMARY RETAILER COMMISSION REPORT DETAILS RETAILER COMMISSION REPORT SUMMARY OUTLET PRODUCTIVITY REPORT RETAILER LIST REPORT
	GA Related Report	ACTIVATION TRACKING REPORT ACTIVATION VS ETSAF STATUS SAF REPORT

		ETSAF REJECTION LIST REPORT
	OTHERS REPORT	SPECIAL NUMBER REPORT PST REPORT BIOMETRIC DEVICE JOURNEY NTR REPORT RETAILER, RSO AND SUPERVISOR PERFORMANCE TRACKING REPORT SIM INVENTORY STATUS REPORT APP USAGE REPORT ACTIVE USER REPORT
I'Top up Report	ITOPUP LIFTING	ITOPUP STOCK LIFTING
	ITOPUP LIFTING	ITOPUP STOCK LIFTING DD WISE
	ITOPUP LIFTING	ITOPUP STOCK LIFTING BY Route
	ITOPUP SALES	ITOPUP SALES DD WISE
	ITOPUP SALES	ITOPUP SALES BY ROUTE
	ITOPUP DETAILS	ITOPUP DETAILS BY ROUTE
	ITOPUP DETAILS	ITOPUP DETAILS DD WISE
	ITOPUP DETAILS	ITOPUP DETAILS
	DENO REPORT	DENO REPORT SUMMARY DENO REPORT DETAILS
	ITOPUP Balanace	ITOPUP BALANCE
	ITOPUP Balanace	ITOPUP MIDDAY
	ITOPUP Balanace	ITOPUP BALANCE BY ROUTE

3.23. DMS pages required to be viewable by 20-30% reduced

Ref: FR23 (Business Requirements Document)

Following Item will be resized

- DMS view Resize
- Responsive Issue
- Menu Scroll issue
- Mobile compatibility

3.24. Modification in existing report

During development period based on need mutual discussion

The screenshot shows a dashboard with three summary reports:

- Active DD:** 179
- Supervisor:** 550
- Merchandiser:** 550
- Total RSO:** 4000
- Total Active SSO:** 60000
- Total Active LSO:** 275,000
- Total Active Retailer:** 335,000

The screenshot shows the "PHYSICAL PRODUCT REPORT" page with two sections:

- RECEIVE PHYSICAL PRODUCT FROM WAREHOUSE:**
 - SIM
 - SC
 - DEVICE
- RECEIVE PHYSICAL PRODUCT FROM RETAILER:**
 - SIM
 - SC
 - DEVICE

At the bottom right is a green "SUBMIT" button.

At the very bottom of the page, there is a dark grey footer bar with the text: "Last successful login was: | Last unsuccessful login was:"

Rules/Validation

- While user click radio button of any product type its redirect to existing reports.

Report List:

- RECEIVE SC FROM WAREHOUSE REPORT,
- RECEIVE Device FROM WAREHOUSE REPORT
- RECEIVE SIM FROM WAREHOUSE REPORT
- RETURN SIM TO WAREHOUSE REPORT
- PENDING SIM RETURN TO WAREHOUSE REPORT
- RECEIVE SIMS FROM RETAILER REPORT

3.25. Dispute Item's Report Available and Fixing

3.25.1. Biometric Registration Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or all distributor to login.
- If user select all distributor, then user get the report of all distributor.
- If user select single distributor then user can get the result according to login distributor.

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Biometric Registration Report:

Retailer Code	Distributor Code	Distributor Name	MSISDN	SIM Number	Token Ed	Product Code	Create Date	Service Type	Biometric Success Date	RSO Code	Retailer BTS
RT001	DHKDHK33	Anaf Enterprise	11233455	2234455		PC001	02-11-202		03-11-202	Rso0012	

Showing 1 to 1 of 1 entries

First Previous **1** Next Last

3.25.2. Biometric Summary Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or all distributor to login.
- If user select all distributor, then user get the report of all distributor.
- If user select single distributor, then user can get the result according to login distributor.

Parameter:

- Start Date
- End Date
- Service Type

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Biometric Summary Report:

BIOMETRIC SUMMARY REPORT

Start Date: 05-06-2021 End Date: 12-06-2021

Service Type: Select

Export Show

3.25.3. BTS wise SSO and LSO Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or all distributor to login.
- If user select all distributor, then user get the report of all distributor.
- If user select single distributor, then user can get the result according to login distributor.

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of BTS wise SSO and LSO report:

Cluster	Region	Distributor Code	BTS Code	Site Type	Actual Thana	MBU Thana	District	Network Mode	Active	Latitude	Longitude	Site Address	SSO Count	LSO Count
Dhk-West	DHKDHK33	DHK4B53	3G	Mohammadpur Dhk.		Dhaka							1	
KHLKHL	KHUIJES03	KHU1696	3G	Abhaynagar		Jessore							1	1
DHKNAR	DHKNAR05	DHK6135	3G	Araihaazar		Narayanganj							1	7
DHKOUT	DHKFAR01	DHK5381	3G	Faridpur Sadar		Faridpur							1	1
CTGRUW	CHICOM05	CTG2335	3G	Laksem		Comilla							1	1
MYMMYM	MYMTAN03	DHK3198	3G	Gopalpur		Tangail								1
DHKOUT	DHKRAJ01	DHK6005	3G	Balikandi		Rajbari								1
SYLSYL	SYLSYL05	SYL0715	3G	Sylhet Sadar 2		Sylhet							1	1
KHLKHL	KHUSAT02	KHU1813	3G	Satkhira Sadar		Satkhira							1	1

3.25.4. Day Wise WH Lifting Report**• Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or all distributor to login.
- If user select all distributor, then user get the report of all distributor.
- If user select single distributor, then user can get the result according to login distributor.
- User can show the report or direct export to Excel.
- Selection of Start and end date should be in UI, as date wise report.

Parameter:

- Cluster
- Region
- Distributor
- Product Category

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Definition.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

Day Wise WH Lifting Report:

DAY WISE WH LIFTING REPORT

Cluster [All]	Region [All]
Distributor [All]	Product Category [All]

Buttons: Export, Show

3.25.5. Distributor Wise BTS Details Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or Multiple or all distributor.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel.

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Distributor Wise BTS Details Report:

Region	Distributor Code	BTS Code	Network Mode	Site Type	2G on air date	3G on air date	4G on air date	Active	Site Status	Dismantle Date	Longitude	Latitude	Actual Thana	MBU Thana New	District
Khulna	KHUKUS01	KHU1422		3G									Bheramara		Kushtia
Khulna	KHUKUS01	KHU1420		3G									Khoksa		Kushtia
Khulna	KHUKUS01	KHU1282		3G									Bheramara		Kushtia
Khulna	KHUKUS01	KHU1306		3G									Mirpur Kst.		Kushtia
Khulna	KHUKUS01	KHU1358		3G									Kushtia Sadar		Kushtia

3.25.6. SIM Replacement Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or Multiple or all distributor.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.

Parameter:

- Sim Type
- Replacement Reason

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Definition.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

SIM Replacement Report:
3.25.7. SIM Replacement Stock

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or Multiple or all distributor.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel.
- Replacement reason will be dropdown and all option will be there as well.

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of SIM Replacement Stock:

Distributor	RSO	Retailer	Lifting Date	SIM Serial
DHKDHK33	RS01123	RT0012	11/2/2020	999827373

3.25.8. Activation Vs ETSAF Status Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or Multiple or all distributor.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.

Parameter:

- Cluster
- Region
- Distributor

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Activation Vs ETSAF Status Report:
3.25.9. Active User Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel.
- For Internal these dropdowns will be active. For external UI, all will be freeze

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Active User Report:

3.25.10. App Usage Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.
Include Date range: start and end date

Parameter:

- App Name
- Activity Date

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of App Usage Report:

- Start and end Date instead of one date.

3.25.11. Deno Report API Summary

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.
- Start and end Date instead of one date.

Parameter:

- Cluster
- Region
- Distributor
- Deno Type, Deno Amount

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Definition.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Deno Report API Summary:

The screenshot shows the 'DENO REPORT API SUMMARY' page. At the top, there is a navigation bar with icons for Transaction, POSM, Report, ITOP RPT, Admin, Definition, PHY. RPT, SPCL. RPT, Bio Device, and Search. On the far right of the bar, it shows 'All Modules', 'Logout', and the user 'Md Mahabub Rehman'. Below the navigation bar, the main form has the following fields:

- Start Date and End Date input fields with calendar icons.
- Cluster, Region, and Deno Type dropdown menus.
- Distributor and SC Product dropdown menus.
- A Deno Amount input field.
- At the bottom left are 'Export' and 'Show' buttons.

3.25.12. Deno Report API Summary

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.
- Include Start and end date, Deno Type, Deno Amount
- For External only Deno Type and Deno Amount will be active in dropdown
- Cluster, region, Distributor will be freeze

Parameter:

- Cluster
- Region
- Distributor
- Deno Type
- Deno Amount

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Definition.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Deno Report Api Summary:

3.25.13. Deno Report Details

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.
- Include Start and end date, Deno Type, Deno Amount
- For External only Deno Type and Deno Amount will be active in dropdown
- Cluster, region, Distributor will be freeze

Parameter:

- Cluster
- Region
- Distributor
- Deno type, Deno Amount

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Definition.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Deno Report Details:

3.25.14. Distributor Commission Details Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.
- Include Start and end date, Deno Type, Deno Amount
- For External only Deno Type and Deno Amount will be active in dropdown
- Cluster, region, Distributor will be freeze

Parameter:

- Year
- Month

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Definition.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Dist Commission Details Report:

3.25.15. Distributor Commission Payout Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.

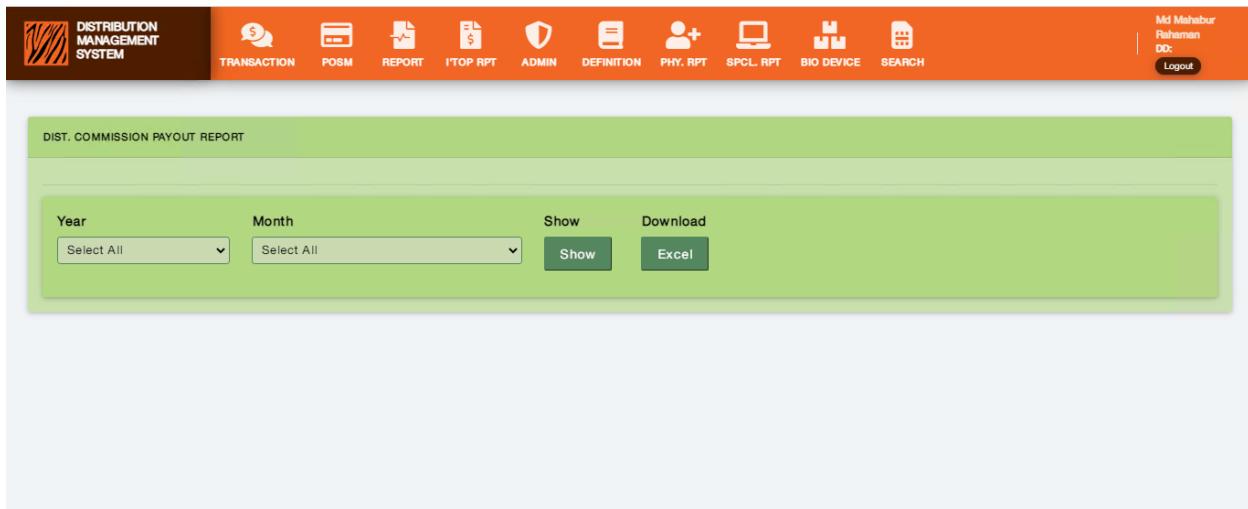
Parameter:

- Year
- Month

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Definition.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Dist Commission Payout Report:



3.25.16. Distributor Commission Summary Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.

- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.

Parameter:

- Year
- Month

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Dist. Commission Summary Report:

3.25.17. Distributor Income Report

• **Rules and Validation:**

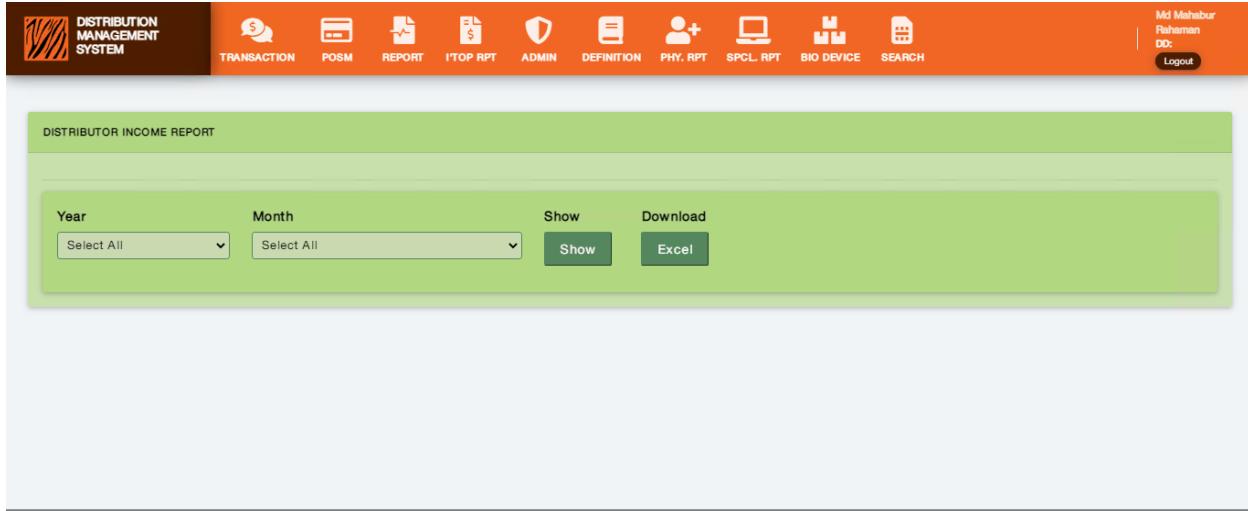
- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.

Parameter:

- Year
- Month

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Distributor Income Report:

3.25.18. Dist. Tax On Commission Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report or direct export to Excel.

Parameter:

- Year
- Month

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Dist. Tax On Commission Report:
3.25.19. ETSAF Rejection List Report

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel.
- Include start and end date filter

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of ETSAF Rejection List Report:
3.25.20. PST Report**• Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can show the report and export to Excel and export to .csv.

Parameter:

- Product Category
- Product Code
- Cluster
- Region
- Distributor

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of PST Report Parameter:

PST REPORT (DMS)

Product Category	Product Code
[All]	[All]
Cluster	Region
[All]	[All]
Distributor	
[All]	

Summary (DMS) Summary (DWH)

UI of PST (DWH) Report:

PST REPORT (DWH)

Date ↑↓	Distributor code ↑↓	Product category ↑↓	Product code ↑↓	Transaction Type ↑↓	Qty ↑↓	Amount ↑↓
11/1/2020 12:00:00 AM	DHKDHK33	TAB	PRODUCT-50	Secondary	1500	2000

Show 10 entries Search:

Showing 1 to 1 of 1 entries

First Previous **1** Next Last

[← Back](#) [Export Excel](#) [Export CSV](#)

UI of PST (DMS) Report:

PST REPORT (DMS)

Date ↑↓	Distributor code ↑↓	Product category ↑↓	Product code ↑↓	Transaction Type ↑↓	Qty ↑↓	Amount ↑↓
11/1/2020 12:00:00 AM	DHKDHK33	Ruter	PRODUCT-50	Primary	2000	345678
11/2/2020 12:00:00 AM	DHKDHK33	Hand Set	xiaomi	Tertiary	3000	1500

Show 10 entries Search:

Showing 1 to 2 of 2 entries

First Previous **1** Next Last

[← Back](#) [Export Excel](#) [Export CSV](#)

3.25.21. Retailer Commission Report Details

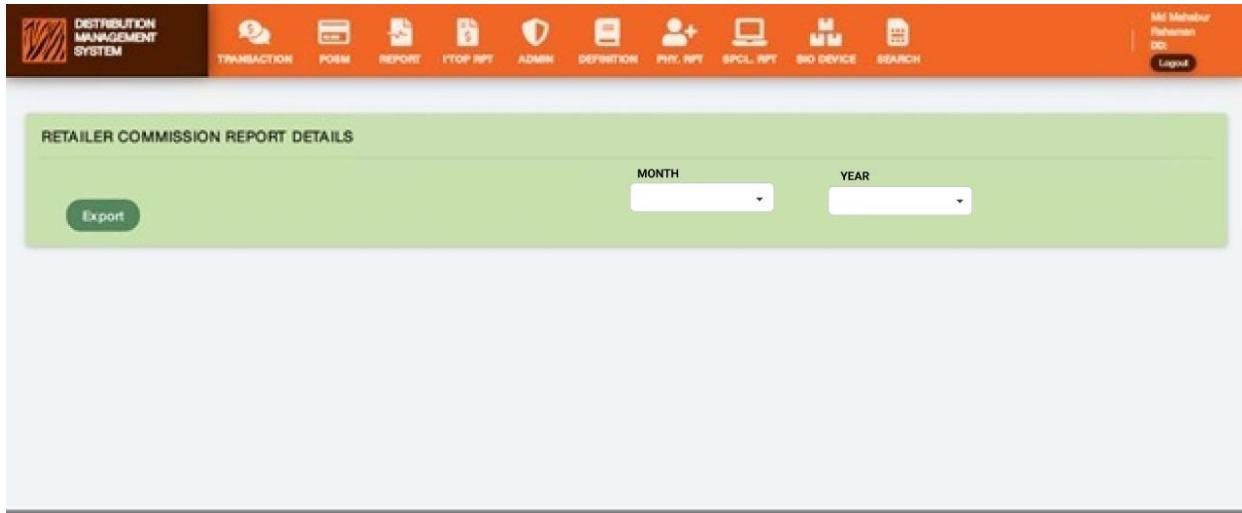
- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel.
- Select Commission Month, year

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Retailer Commission Report Details:



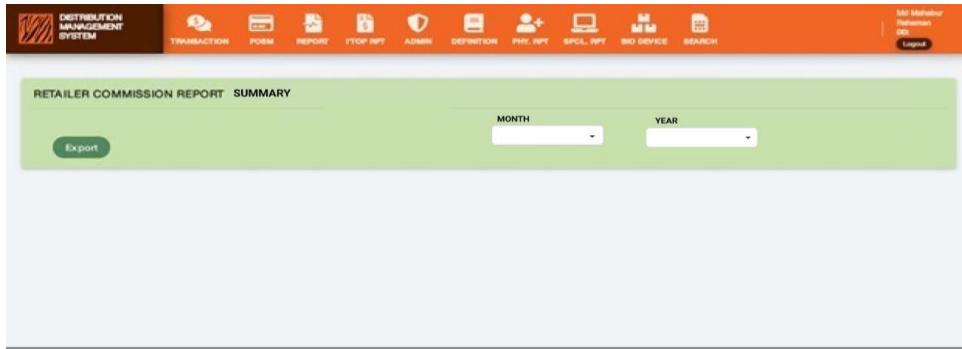
3.25.22. Retailer Commission Report Summary

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel.
- Select Commission Month, year

Report Logic:

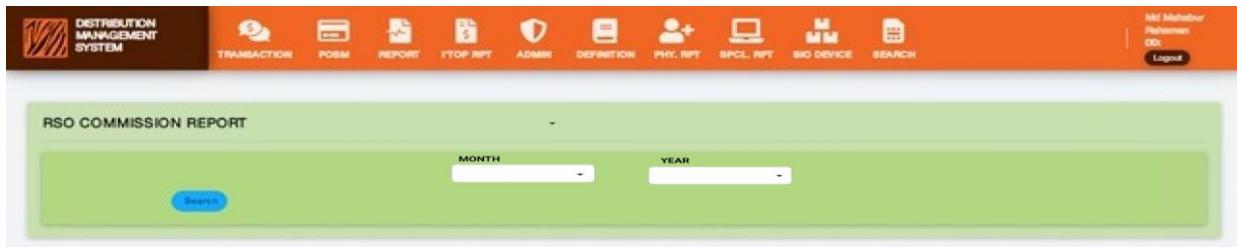
if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Retailer Commission Report Summary:**3.25.23. RSO Commission****• Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel and .csv.
- Include Commission Month and year

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of RSO Commission:**UI of RSO Commission Report:**

Region	Distributor Code	RSO Code	RSO Mobile No	Joining Date	SSO Count	LSO Count	RSO Ranking	Salary Month	Variable Incentive Month	Salary Amount	Fixed	Variable	Special Campaign/Project	Others
No data available in table														

3.25.24. RSO Details Report**Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel
- Include Commission Month and year

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of RSO Details Report:

The screenshot shows the 'RSO DETAILS REPORT' section of the Distribution Management System. At the top, there's a navigation bar with icons for Transaction, POSM, Report, ITOP RPT, Admin, Definition, Phy. RPT, Spcl. RPT, Bio Device, and Search. On the right, there's a user profile for 'Md Mahabur Rehman' and a 'Logout' button. Below the navigation bar, the title 'RSO DETAILS REPORT' is displayed. A green header bar contains an 'Export' button and a search bar. The main area is a table with the following columns: Cluster, Region, Distributor, Code, Name, Mobile, Handset_Mobile, SR Number, Contact No., Handset IMEI, Joining Date, Is Active, and Verified. The table contains three rows of data.

Cluster	Region	Distributor	Code	Name	Mobile	Handset_Mobile	SR Number	Contact No.	Handset IMEI	Joining Date	Is Active	Verified
CL01-Central Cluster	Dhk-West	DHKDHK36-Kayan Traders	RS016902	Masud Rana	01984224405	01984224405	01984224405	01984224405		10/30/2017 12:00:00 AM	N	Y
CL01-Central Cluster	Dhk-West	DHKDHK36-Kayan Traders	RS016903	Masud Parvez	01984224406	01984224406	01984224406	01984224406		10/30/2017 12:00:00 AM	N	Y
CL01-Central Cluster	Dhk-West	DHKDHK36-Kayan Traders	RS016901	Tushar Ahmed	01984220933	01984220933	01984220933	01984220933		10/1/2017 12:00:00 AM	N	Y

3.25.25. Distributor_C2C_SC_Lifting Report

Rules and Validation:

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.
- For external, user will get the result according to login distributor.
- User can Export the report to the Excel
- Include start and end date

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of DISTRIBUTOR C2C SC LIFTING REPORT:

The screenshot shows the 'DISTRIBUTOR C2C SC LIFTING REPORT' section of the Distribution Management System. At the top, there's a navigation bar with icons for Transaction, POSM, Report, ITOP RPT, Admin, Definition, Phy. RPT, Spcl. RPT, Bio Device, and Search. On the right, there's a user profile for 'Md Mahabur Rehman' and a 'Logout' button. Below the navigation bar, the title 'DISTRIBUTOR C2C SC LIFTING REPORT' is displayed. A green header bar contains an 'Export' button and a search bar. The main area is a table with the following columns: Distributor Code, Date, C2C, and SC Lifting. The table contains two rows of data.

Distributor Code	Date	C2C	SC Lifting
BARBAR04	11/15/2020	3000	2500
RAJNA002	11/2/2020	2000	3000

Showing 1 to 2 of 2 entries

3.25.26. Retailer_C2C_SC_ConsumptionReport

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single distributor or all distributor to login.
- If user select all distributor, then user get the report of all distributor.
- If user select single distributor, then user can get the result according to login distributor.
- User can Export the report to the Excel
- Include date range

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of Retailer C2C SC ConsumptionReport:

Retailer Code	RSO Code	Date	C2S	SC Issue	SC Consumed	Total (C2S+SC Issue)	Total (C2S+SC Consumed)
201947	RSO10502	11/1/2020	2000	200	200	2200	2200
201947	RSO15341	12/1/2020	300	400	500	700	800
201952	RSO14759	11/15/2022	500	300	100	800	600

3.25.27. RSO_C2C_SC_IssueReport

- **Rules and Validation:**

- User Need to login as Internal or external
- After login user get the report according to his/her distributor which are tagged with user
- For internal user can select single or Multiple Region.

- For external, user will get the result according to login distributor.
- User can Export the report to the Excel

Report Logic:

if login all distributor or with distributor then login userid pass in this procedure (**Defination.GET_USERWISEDISTRIBUTOR**) and get all the distributorid of this user then passing all in this ID's in main SP of this report as a parameter name p_distributorid

UI of RSO_C2C_SC_IssueReport:

Rso Code	Date	C2C	SC Issue	Total (C2c+Sc Issue)
RS011801	11/2/2020	2000	1500	3500
RS015730	11/15/202	1000	2000	3000
RS015731	11/20/202	500	1000	1500

3.26. Report available in DMS

Following Reports need to available in DMS as Internal and External user logic

Menu	Sub Menu 1	DMS Type	Parameter Name
Physical Product Report	Report	Both	TransactionSummary
	Report	Both	ItemCurrentStock
	Report	Both	IssueToMarketReport
	Activation Tracking Report	Both	ActivationTrackingReport
	Biometric Device Status Update Report	Both	BiometricDeviceStatusUpdateReport
	Biometric Registration Report	Both	BiometricRegistrationReport
	Biometric Summary Report	Both	BiometricSummaryReport
	Biometric New Reg Report	Both	BiometricNewRegReport
	BTS wise SSO and LSO report	Both	BTSwiseSSOandLSOreport
	Rpt Issue Biometric Device To Retailer	Both	RptIssueBiometricDeviceToRetailer
	Rpt Issue SC To Retailer	Both	RptIssueSCToRetailer
	Rpt Issue Sim To Retailer	Both	RptIssueSimToRetailer
	rptNON_ACTIVE_SC	Both	rptNON_ACTIVE_SC
	rptNON_ACTIVE_SIM	Both	rptNON_ACTIVE_SIM
	Rpt Receive SC From Retailer	Both	RptReceiveSCFromRetailer
	Rpt Receive Sim From Retailer	Both	RptReceiveSimFromRetailer
	RPT Return Sim To Warehouse	Both	RPTReturnSimToWarehouse
	Rpt SC Inventory Status	Both	RptSCInventoryStatus
	Rpt SC Retailer Activation	Both	RptSCRetailerActivation
	Sim Inventory Status	Both	SimInventoryStatus
	SIM Replacement Report	Both	SIMReplacementReport
	SIM Replacement Stock	Both	SIMReplacementStock
Itop Up Report	Activation Vs ETSAF Status Report	Both	ActivationVsETSAFStatusReport
	Active User Report	Both	ActiveUserReport
	App Usage Report	Both	AppUsageReport
	Deno Report Api Summary	Both	DenoReportApiSummary
	Deno Report Details	Both	DenoReportDetails
	Dist Commission Details Report	Both	DistCommissionDetailsReport
	Dist Commission Payout Report	Both	DistCommissionPayoutReport
	DistCommissionSummaryReport	Both	DistCommissionSummaryReport
	DistributorFloorMEIReport	Both	DistributorFloorMEIReport
	DistributorIncomeReport	Both	DistributorIncomeReport
	DistributorOperation	Both	DistributorOperation
	DistTaxOnCommissionReport	Both	DistTaxOnCommissionReport
	ETSAFRejectionListReport	Both	ETSAFRejectionListReport
	EVPendingTaskSummary	Both	EVPendingTaskSummary
	EVSystemTaskStatus	Both	EVSystemTaskStatus
	EVSystemTaskStatusReport	Both	EVSystemTaskStatusReport
	NTRReport	Both	NTRReport
	OutletProductivityReport	Both	OutletProductivityReport
	PSTReport	Both	PSTReport
	RetailerCommissionRptDtIs	Both	RetailerCommissionRptDtIs
	RetailerCommissionRptSmry	Both	RetailerCommissionRptSmry
	RetailerListReport	Both	RetailerListReport
	RetailerRSOSupervisorPerformanceTracking	Both	RetailerRSOSupervisorPerformanceTracking
	RSOCalendarReport	Both	RSOCalendarReport
	RSOCommission	Both	RSOCommission
	RsoDetailsReport	Both	RsoDetailsReport
	SAFReport	Both	SAFReport
	DISTRIBUTOR_C2C_SC_LIFTINGReport	Both	DISTRIBUTOR_C2C_SC_LIFTINGReport
	ITopUpActualIssue	Both	ITopUpActualIssue
	ITopUpActualIssueNational	Both	ITopUpActualIssueNational
	ITopUpBalanceByRoute	Both	ITopUpBalanceByRoute
	ITopUpBalanceReport	Both	ITopUpBalanceReport
	ITopUpDetailReport	Both	ITopUpDetailReport
	ITopUpDetailsByRoute	Both	ITopUpDetailsByRoute
	ITopUpDetailsDDWise	Both	ITopUpDetailsDDWise
	ITopUpIssueTarget	Both	ITopUpIssueTarget
	ITopUpIssueTargetNational	Both	ITopUpIssueTargetNational
	ITopUpMidday	Both	ITopUpMidday
	ITopUpSalesByRoute	Both	ITopUpSalesByRoute
	ITopUpSalesDDWise	Both	ITopUpSalesDDWise
	ITopUpStockLiftingByRoute	Both	ITopUpStockLiftingByRoute
	ITopUpStockLifting	Both	ITopUpStockLifting
	ITopUpStockLiftingDDWise	Both	ITopUpStockLiftingDDWise
	ITopUpSales	Both	
	Retailer_C2C_SC_ConsumptionReport	Both	Retailer_C2C_SC_ConsumptionReport
	RSO_C2C_SC_IssueReport	Both	RSO_C2C_SC_IssueReport

3.27. Report Modify Itop up Monthly report job based

Following reports need to modify and current SP transfer in Job process in Oracle and report parameter and output as its in old DMS system

- Lifting Distributor wise By Month
- Lifting Region wise By Month
- Lifting Route wise By Month
- Lifting RSO wise By Month
- Sales Distributor wise By Month
- Sales Region wise By Month
- Sales Route wise By Month
- Sales RSO wise By Month

3.28. Terminated Retailer List show in Return SIM, Device, SC

Receive SIM from Retailer

The screenshot shows the DMS application's main navigation bar at the top, featuring icons for Transaction, POSM, Report, ITOP RPT, Admin, Definition, Phy. RPT, Spcl. RPT, Bio Device, and Search. On the right side of the bar, there is a user profile section with the name 'Sayed Md Mairajul Haque' and 'ID: DHKOHK01', and a 'Logout' button. Below the navigation bar, a green header bar displays the title 'RECEIVE SIM FROM RETAILER'. The main content area contains a form with the following fields: 'Receive Date' (input field with placeholder 'mm/dd/yyyy'), 'Retailer' (dropdown menu with placeholder 'Please Select a Retailer'), 'Sim List' (text area containing a single character '0'), and a 'Submit' button.

- While return SIM from Retailer, Terminator Retailer list must be shown in Retailer Dropdown

Receive SC from Retailer

RECEIVE SC FROM RETAILER

Receive Date

Retailer

Route

Range List

SC List

Submit

- While return SIM from Retailer, Terminator Retailer list must be shown in Retailer Dropdown

Receive Device from Retailer

RECEIVE DEVICE FROM RETAILER

Receive Date

Retailer

Remarks

IMEI List

Submit

Sayed Md Mainul
Haque
ID: DHKDHK01
Logout

- While return SIM from Retailer, Terminator Retailer list must be shown in Retailer Dropdown