

**Liquidity Management User Guide**

**Oracle Banking Liquidity Management**

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## Liquidity Management User Guide

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# 1 Preface

## 1.1 Introduction

This manual is designed to help acquaint you with the Global Liquidity Management application.

This manual provides answers to specific features and procedures that you need to be aware of for the module to function successfully.

## 1.2 Audience

The user guide is intended for the following User/User Roles:

Role	Function
Back office data entry Clerks	Input functions for maintenance related to the interface
Back office Managers/ Officers	Authorization functions

## 1.3 Document Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

## 1.4 List of Topics

This manual is organized as follows:

**Table 1: Topics**

Topics	Description
<b>Preface</b>	<i>Preface</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual.
<b>Liquidity Management – An Overview</b>	<i>Liquidity Management – An Overview</i> gives a brief description about the Liquidity Management application
<b>Cash Concentration Methods</b>	<i>Cash Concentration Methods</i> describes the various cash concentration methods supported by the application
<b>Notional Pooling</b>	<i>Notional Pooling</i> explains about <i>Notional Pooling</i> feature

<b>Multi Bank Cash Concentration</b>	<i>Multi Bank Cash Concentration</i> explains about <i>Multi-Bank Cash Concentration</i> feature
<b>Maintaining Parameters for Liquidity Management</b>	<i>Maintaining Parameters for Liquidity Management</i> explains how to maintain the various setup in order to start using the application.
<b>Structure Maintenance</b>	<i>Structure Maintenance</i> explains the various steps of developing a new structure.
<b>Balance Build</b>	<i>Balance Build</i> explains about how <i>Balances</i> are maintained in the application
<b>Monitors and Batches</b>	<i>Monitors and Batches</i> explains about the <i>Monitors and Batches</i> available in the application
<b>BVT Handling</b>	<i>BVT Handling</i> explains about the <i>Back-Value Transaction</i> feature in the application
<b>Withholding Tax</b>	<i>Withholding Tax</i> explains about the configuration of Interest Paid on the accounts.
<b>Simulation of Liquidity Structures</b>	<i>Simulation of Liquidity Structures</i> explains how to simulate a Structure with new data and existing data
<b>Dashboards</b>	<i>Dashboards</i> gives detailed information on Dashboards assigned to each 'User Role' and about the organization of these Dashboards
<b>Advices</b>	<i>Advices</i> section explains about the reports that are available in the application
<b>Real Time Liquidity Management</b>	<i>Real Time Liquidity Management</i>
<b>Third Party Maintenance</b>	<i>Third Party Maintenance</i>
<b>Glossary</b>	<i>Glossary</i>

## 1.5 Related Documents

The related documents are included in the Reports manual.

## 2 Liquidity Management – An Overview

### 2.1 Introduction

Liquidity Management refers to the services your bank provides to its corporate customers thereby allowing them to optimize interest on their checking/current accounts and pool funds from different accounts. Your corporate customers can, therefore, manage the daily liquidity in their business in a consolidated way.

Customers need to define ‘account structures’ which form the basis of liquidity management. The account structure reflects the hierarchical relationship of the accounts as well as the corporate strategies in organizing accounts relationships.

Liquidity management services are broadly classified as under:

- Sweeping - where physical funds are moved in account structure from child to parent or parent to child.
- Pooling - where funds are not physically moved in and out of accounts. Instead, the account balances are notionally consolidated and ‘interest computations’ carried out on such notional balances.

The Oracle Banking Liquidity Management application supports a multi-branch, multi- currency liquidity management structure. This enables the system to keep track of balances in accounts in the structure, calculate interest on the accounts in the structure as well as track the history of the sweep/ pool structure.

This document is broadly classified into the following sections:

- Cash Concentration Methods
- Notional Pooling
- Multi Bank Cash Concentration
- Maintaining Parameters for Liquidity Management
- Building and Maintaining the Structure.
- Balance Build
- Monitors and Batch Processing
- BVT Handling
- Simulations
- Dashboards
- Advices
- Interest Optimization
- Real Time Liquidity Management
- Third Party Maintenance

### 3 Cash Concentration Methods

Oracle Banking Liquidity Management supports various form of Sweeps/Cash Concentration methods. You can find a brief description about each method in this chapter.

#### 3.1 Zero Balance

In this method, all the balances from the sub account\child account are automatically transferred into the master account either at the EOD or on an Intraday basis with original value dates. The top account will therefore hold the overall net cash position of the company or group of companies. The top account is normally held by the parent company or a group treasury.

##### 1 Way Scenario

Here the system will try to zero balance the child account. The child account balances are swept to leave a zero balance in the child account. If the child account balance is zero or negative, the system will not execute any sweep instruction

##### 2 Way Scenario

Here the system will try to bring the child account to zero balance in case it has a negative balance. If the balance in the parent account is not enough to cover the overdraft on the child account, either sweep is not executed, or sweep is executed up to the available balance on the parent account based on 'Partial Sweep Allowed' flag.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account in conjunction with the partial sweep allowed parameter.

When sweeping from major account to minor account the major account balance cannot go below Zero if unlimited OD is not selected at the account level. If it is checked then, sweeps can be executed without any limit to cover the child overdrafts till all the minor account balances are set to zero

#### 3.2 Fixed Sweep

A fixed amount is transferred from the sub account to the main account. If the credit balance in the sub account is below the fixed amount, then no transfers are affected.

##### 1 Way Scenario

If the minor account balance is above or equal to the fixed amount, the system will sweep fixed amount from the minor account.

If the minor balance is above zero, but less than the fixed amount, the system will not initiate the sweep instruction.

## **2 Way Scenario**

The 2 way sweep in this concentration method will transfer only that amount which is required to cover overdrafts on the child accounts i.e. Fixed 2 way sweep only covers the child overdraft balances and will not follow the fixed parameter, provided the parent account has sufficient balance to cover the debit balance on the child account

Here the system will try to bring the child account to zero balance in case it has a negative balance. If the balance in the parent account is not enough to cover the overdraft on the child account, either sweep is not executed, or sweep is executed up to the available balance on the parent account based on 'Partial Sweep Allowed' flag.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account in conjunction with the partial sweep allowed parameter.

When sweeping from major account to minor account the major account balance cannot go below Zero if unlimited OD is not selected at the account level. If it is checked then, sweeps can be executed without any limit to cover the child overdrafts till all the minor account balances are set to zero

### **3.3 Target Balance/Minimum Balance**

There are two different types under this:

- Constant Target Balance/Minimum Balance- Here the system ensures that a specific amount is present in the minor account by moving the balances from the sub accounts to the main account and vice versa. The balances in the sub accounts will be constant and cannot be zero
- Fixed Target Balance - Here the system ensures that a fixed target balance is present while moving funds from sub accounts to main account. when the sub accounts have a debit balance the 2 way sweep from main account to the sub account will be equal to the debit amount on sub account which will bring the sub account to zero balance.

#### **1 Way - Scenario**

If the child account balance is above the minimum balance, the system will sweep the positive difference between the child account balance and minimum balance to the major account (sweep balances above the minimum balance from the child account).

If the child account balance is below or equal to the minimum balance, the system will not execute the sweep instruction.

**2 Way - Scenario**

If the child account balance is below the Minimum\Target Balance, the system will try to bring the child account balance to the target amount. (Constant Target)

If the child account balance is below the Target Balance, the system will try to bring the child account balance to zero. (Constant Target)

If the minor balance is below the minimum balance or is overdrawn, and the major balance is negative or not sufficient to cover the OD + minimum balance the system will not execute any sweep instruction

If the balance in the parent account is not sufficient to cover the overdraft or the Minimum balance requirements on the child account, either sweep is not executed, or sweep is executed up to the available balance on the parent account based on 'Partial Sweep Allowed' flag.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account in conjunction with the partial sweep allowed parameter.

When sweeping from major account to minor account the major account balance cannot go below Zero if unlimited OD is not selected at the account level. If it is checked then, sweeps can be executed without any limit to cover the child overdrafts till all the minor account balances are set to zero

**3.4 Threshold**

Here the funds are moved only when the account has more balance than a set limit. The child account keeps accumulating funds till the threshold is reached and sweeps out all the balances from the child account once the Threshold is attained.

**1 Way - Scenarios**

If the child account balance is equal to or above the Threshold balance amount, the system will sweep the entire balances from the child account. If the child account balance is below the Threshold balance, the system will not execute the sweep instruction

**2 Way - Scenario**

If the child account balance is below the Threshold balance, the system will not perform any sweeps under any circumstances even if the major account is in credit balance. If the child account balance is below zero, then sweeps will be performed from major account to minor account to bring minor account balance to zero.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account

Here the system will try to bring the child account to zero balance in case it has a negative balance. If the balance in the parent account is not sufficient to cover the overdraft on the child account, either sweep is not executed, or sweep is executed up to the available balance on the parent account based on 'Partial Sweep Allowed' flag.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account in conjunction with the partial sweep allowed parameter.

When sweeping from major account to minor account the major account balance cannot go below Zero if unlimited OD is not selected at the account level. If it is checked then, sweeps can be executed without any limit to cover the child overdrafts till all the minor account balances are set to zero

### **3.5 Collor**

Here on reaching a threshold value, funds are swept from the minor account but leaving behind a balance defined as the Collor.

#### **1 Way - Scenario**

If the child account balance is above the Threshold balance amount or equal to the threshold balance amount, the system will sweep balances from the child account leaving behind the pre-set balance in the child account (Collor).

If the child account balance is below the threshold, the system will not execute the sweep instruction.

#### **2 Way - Scenarios**

If the child account balance is below the Threshold balance, the system will not perform any sweeps under any circumstances even if the major account is in credit balance. If the child account balance is below zero, then sweeps will be performed from major account to minor account to bring the minor account balance to zero.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account

Here the system will try to bring the child account to zero balance in case it has a negative balance. If the balance in the parent account is not sufficient to cover the overdraft on the child account, either sweep is not executed, or sweep is executed up to the available balance on the parent account based on 'Partial Sweep Allowed' flag.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account in conjunction with the partial sweep allowed parameter.

When sweeping from major account to minor account the major account balance cannot go below Zero if unlimited OD is not selected at the account level. If it is checked then, sweeps can be executed without any limit to cover the child overdrafts till all the minor account balances are set to zero

### 3.6 Percentage

In Percentage Sweeps a certain set percentage of funds available in the minor account is swept out to the parent account. The system supports both 1 way and 2-way sweeps.

#### 1 Way - Scenario

When the child account balance is above zero system will sweep a certain percentage (preset) of the balance to the parent account

#### 2 Way - Scenarios

Here the system will try to bring the child account to zero balance in case it has a negative balance. If the balance in the parent account is not sufficient to cover the overdraft on the child account, either sweep is not executed, or sweep is executed up to the available balance on the parent account based on 'Partial Sweep Allowed' flag.

If more than one child account is in negative balance, the transfer from the parent account will be based on the priority set at the child account (Least numeric is given top priority) and the available balance on the major account in conjunction with the partial sweep allowed parameter.

When sweeping from major account to minor account the major account balance cannot go below Zero if unlimited OD is not selected at the account level. If it is checked then, sweeps can be executed without any limit to cover the child overdrafts till all the minor account balances are set to zero

### 3.7 Range Based Balancing

Here the funds are swept when the available balances are in a certain range. A minimum and a maximum range will be defined based on which sweeps are initiated from /to child account to make the child account attain a fixed balance.

For example, If a child account fixed balance is 50, Minimum range amount is 10 and Maximum range amount is 100 then, if the child account balance goes below 10, sweeps to child account will happen to make the child account balance 50 (Sweep of 41 if Balance is 9), but if the child account balance is more than 100 then balances above 50 will be swept away from the child account.

### 3.8 Investment Sweeps

System supports investment sweeps wherein funds are invested either in Money Market instruments or term deposits

Steps to achieve investment sweeps are as below:

- Create an account in Oracle Banking Liquidity Management which will be a Notional account with no balances (This account will be created only in Oracle Banking Liquidity Management and is not present in core banking)
- Create a structure with the notional account as the header
- Pair wise concentration methods to be defined for the structure including for the notional pair (ZBA, Percentage. Etc.)
- Pair wise sweep frequencies to be defined including the notional pair
- Payment instructions to be defined for all the pairs including the notional pair
- While defining payment instructions for the Notional pair either Money market placement or Term deposit creation parameters needs to be captured.
- Oracle Banking Liquidity Management will generate handoff message for the investment sweeps at the defined frequencies to the core banking system\external system.

### 3.9 Cover Overdrafts

In this type Sweeps are executed by the system only to cover overdrafts in parent or child accounts

#### Child to Parent (Cover Overdrafts) 1 Way

If the balance in the parent account is greater than or equal to zero system will not perform any sweep

Sweep from child account to parent account will be executed only when the balance in the parent account is less than zero.

#### Parent to Child (Cover Overdrafts) 2 Way

If the balance in the child account is greater than or equal to zero system will not perform any sweep

Sweep from Parent account to Child account will be executed only when the balance in the child account is less than zero.

Here the system will try to bring the child account to zero balance in case it has a negative balance. If the balance in the parent account is not sufficient to cover the overdraft on the child account, either sweep is not executed, or sweep is executed up to the available balance on the parent account based on 'Partial Sweep Allowed' flag.

### 3.10 Additional Sweep Parameters

- **Minimum Sweep Amount** – System allows to specify a minimum amount for Sweep. If the sweep amount calculated by the system is less than the minimum amount, then sweep from the subaccount to the main account will not take place.
- **Maximum Sweep Amount** - System allows to specify a maximum amount for Sweep. If the sweep amount calculated by the system is greater than the maximum amount, only the maximum amount is transferred from the subaccount to the main account.
- **Minimum Deficit Sweep Amount** - System allows to specify a minimum amount for Deficit Sweep. If the deficit sweep amount arrived by the system is less than the minimum deficit sweep amount, then sweep from the main account to the sub account will not take place.
- **Maximum Deficit Sweep Amount** - System allows to specify a maximum amount for deficit Sweep. If the sweep amount arrived by the system is greater than the maximum deficit sweep amount, only the maximum deficit sweep amount is transferred from the main account to the subaccount.
- **Sweep Multiple** – System allows to specify a sweep multiple. The amount from subaccounts will be swept at a pegged multiple.

Sweeps can be executed from child account to parent account in terms of the defined multiple. Once a sweep multiple is set at an account pair the amount from subaccounts will be always swept at a pegged multiple.

**Example:**

Available amount in account: 900 USD

Target Balance: 100 USD

Sweep Multiple: 250 USD

Amount arrived by the system for Sweep = 800

After applying Sweep Multiple final Sweep amount arrived by system = 750 USD

**NOTE:**

1. **Deficit Sweep** - Balance transfers from the main account to the subaccount when the sub account is in Debit balance
2. Currently 'Partial Sweep Allowed' flag is hidden from front end and will always be checked by default. Users are not provided an option to uncheck the same.

## 4 Notional Pooling

System supports notional pooling of accounts for cash concentration benefits. Under notional pooling, balances remain on participating accounts. The bank charges or credits interest on net balance of the pooled accounts thereby mitigating the cost of overdrafts on participant accounts.

Notional Pooling of is a mechanism for calculating interest on the combined credit and debit balances of accounts that a corporate parent chooses to cluster together, without transferring any funds. It is ideal for companies with decentralized organizations that want to allow some autonomy to their subsidiaries, including their control over bank accounts.

Pool participant accounts are aggregated for interest compensation purposes. Funds are not physically moved but are notionally combined. There is no commingling of funds, and the integrity of the individual account position is maintained.

Notional Pooling can be combined within the framework of a global cash concentration structure to provide comprehensive overlay structures to meet even the most complex organization's needs

Notional pooling can have multi-layered overlays like in country pools sweeping into regional pools which in turn sweep into global pools. This type of structure is provided to mirror the corporate's regional treasury arrangements.

Once a company earns interest on the funds in a notional pooling account, interest income is usually allocated back to each of the accounts comprising the pool. For tax management reasons the corporate parent usually charges the subsidiaries participating in the pool for some cash concentration administration expenses related to management of the pool. This scenario works best if the corporate subsidiaries are located in high-tax regions where reduced reportable income will result in reduced taxes.

The main downside of notional pooling is that it is not allowed in some countries. It is difficult to find anything but a large multi-national bank that offers cross-currency notional pooling. Instead, it is most common to have a separate notional cash pool for each currency area.

Notional pooling is normally done within one branch so that the bank gets the right of offset on its balance sheet (from the regulators and clients). Else bank must set aside capital to cover the gross pooled balances

## 4.1 Benefits of Notional Pooling

The benefit of notional pooling can be listed as below:

- Minimizes interest expense and improves balance sheet for corporate by off-setting debit and credit positions
- Single liquidity position without commingling of funds
- Allows each subsidiary company to take advantage of a single, centralized liquidity position, while still retaining daily cash management privileges
- Preserves autonomy, control and record-keeping
- Benefit from off-setting without movement of funds and saving on administrative costs by avoiding foreign exchange costs
- Avoids intercompany loans by avoiding the use of cash transfers to a central pooling account
- Automation of interest reallocation
- Reduction in operating expenses by reducing short term borrowings
- Concentration of balances
- Largely eliminates the need to arrange overdraft lines with local banks

## 4.2 Notional Pooling Structures

Notional Pooling can take any of the following structures:

- Single currency, Single country
- Single currency, Cross border
- Multi-currency, Single country
- Multi-currency, Cross border

## 4.3 Interest Calculation Methods

Interest on pool participants can be calculated in the following ways:

- Replacement Interest Payment Method/ Interest Method - System will have interest suppressed at the participant accounts and will make a single payment/charge as required based on the pool header balance
- Advantage Method - Interest is initially calculated without taking the pooling arrangement into account and then a rebate is paid to the group
- Ratio Method – Interest is calculated at the individual participant account based on the net pool position and to the extent each participant account's balance covers the debit & credit portion of the pooled balance.

### 4.3.1 Interest Method

System will have interest suppressed at the participant accounts and will make a single payment/charge as required based on the pool header balance

To process Interest method in the system Pool type structure with Interest method as Interest needs to be created

Then the following IC set up needs to be in place

- Period Code Maintenance
- Branch Parameters
- Interest Rule Maintenance
- Product Maintenance
- IC Group Input (Mapping of Oracle Banking Liquidity Management and IC Group)
- IC Group Product Mapping (Mapping of Group to an IC Product)
- IC Rate code Maintenance
- Rate Input Maintenance
- UDE Value Input

The following Expression, Condition and Result need to be maintained in the IC rule for processing Interest method of pooling in the system.

Header/ Child	Condition	Result
Header	(VD_DLY_CR_BAL_M >0) AND (VD_DLY_CR_BAL_M <=10000)	(VD_DLY_CR_BAL_M* RATE4*DAYS)/(YEAR*100)
	(VD_DLY_CR_BAL_M >10000) AND (VD_DLY_CR_BAL_M <=9999999)	(VD_DLY_CR_BAL_M* RATE5*DAYS)/(YEAR*100)
	VD_DLY_DR_BAL_M >0	(VD_DLY_DR_BAL_M *RATE6*DAYS)/ (YEAR*100)
Child	Not Applicable	Not Applicable

### 4.3.2 Advantage Method

In this method Interest is calculated at each participant account as per their balances with an applicable rate and debits and credits posted to the participants accordingly.

Next interest is calculated based on the pool balance at notional header in notional header currency.

The difference between the interest arrived at the pool level and the summation of interest arrived at the participant level is called the advantage interest (Z-I).

To process Advantage method in the system Pool type structure with Advantage method as Interest needs to be created

Then the following IC set up needs to be in place

- Period Code Maintenance
- Branch Parameters
- Interest Rule Maintenance
- Product Maintenance
- IC Group Input (Mapping of Oracle Banking Liquidity Management and IC Group)
- IC Group Product Mapping (Mapping of Group to an IC Product)
- IC Rate code Maintenance
- Rate Input Maintenance
- UDE Value Input

### 4.3.3 Ratio Method

In this method, Interest is calculated at the individual account level based on the net pool position and the individual account balance. The interest debits and credits posted to the participants accordingly.

The system calculates the appropriate interest rate at the account level based on the below scenarios:

1. If the Net Pool Position is positive and the individual account balance is credit.  
Both Coverage Credit Interest & Residual Credit Interest should get accrued.
2. If the Net Pool Position is positive and the individual account balance is debit.  
Only Debit Coverage Interest will get accrued.
3. If the Net Pool Position is negative and the individual account balance is credit.  
Both Coverage Debit Interest & Residual Debit interest should get accrued.
4. If the Net Pool Position is negative and the individual account balance is debit.  
Only Debit Coverage Interest will get accrued.

Then the following IC set up needs to be in place.

The following Expression, Condition and Result need to be maintained in the IC rule for processing Ratio method of pooling in the system.

Header/ Child	Condition	Result
Header / Child	(LM_NETPOOLPOSITION > 0) AND (VD_DLY_CR_BAL_M > 0)	VD_DLY_CR_BAL_M * ((LM_COVERAGE_RATIO*CRCOVERATE*DAYS) / (YEAR*100)) + (((1-LM_COVERAGE_RATIO) * CRRESRATE*days)/(YEAR*100))
	(LM_NETPOOLPOSITION > 0) AND (ABS(VD_DLY_DR_BAL_M)>0)	ABS(VD_DLY_DR_BAL_M) * ((1*DRCOVERATE*DAYS)/(YEAR*100))
	(LM_NETPOOLPOSITION < 0) AND (VD_DLY_CR_BAL_M > 0)	VD_DLY_CR_BAL_M * ((1*DRCOVERATE*DAYS)/(YEAR*100))
	(LM_NETPOOLPOSITION < 0) AND (ABS(VD_DLY_DR_BAL_M)>0)	ABS(VD_DLY_DR_BAL_M) * ((LM_COVERAGE_RATIO*DRCOVERATE*DAYS) / (YEAR*100)) + (((1-LM_COVERAGE_RATIO) * DRRESRATE*days)/(YEAR*100))

## 4.3.4 Interest Optimization

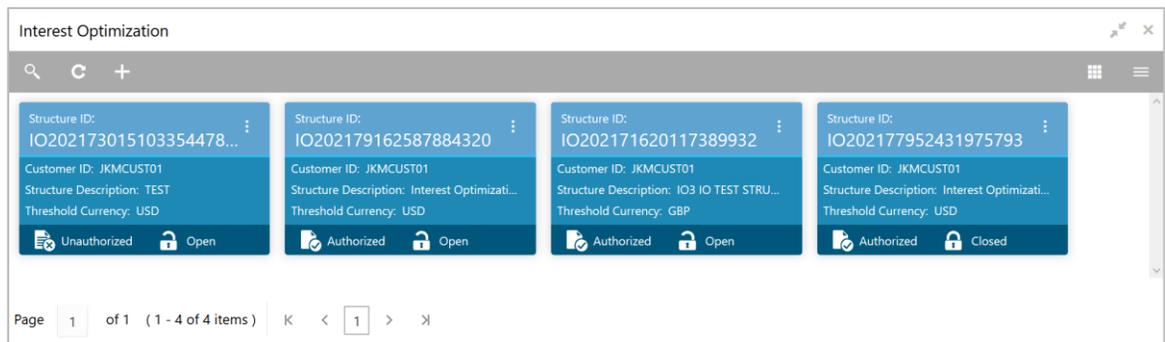
### 4.3.4.1 Introduction

Interest Optimization enables the bank to offer additional interest income to customers with accounts that have balances beyond a pre-set threshold. Bank will be able to set up currency wise interest rates that the pool of accounts would additionally earn if their balance is beyond the threshold amount. Bank can nominate an account where the additional interest income is credited.

### 4.3.4.2 Interest Optimization Maintenance

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Structure**.
2. Under **Structure**, click **Interest Optimization**.  
→ The **Interest Optimization** screen is displayed.

**Figure 1: Interest Optimization**



3. Click **+** button to create new interest optimization.  
→ The **Interest Optimization** screen is displayed.

**Figure 2: Interest Optimization**

Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 2: Interest Optimization – Field Description**

Field	Description
<b>Structure ID</b>	Displays the structure ID that is auto generated.
<b>Structure Description</b>	Specify a description for the Structure ID.
<b>Customer ID</b>	Click the search icon and select the customer ID from the list. The list displays all the customer IDs maintained in the system.
<b>Source</b>	Displays the source
<b>Effective Date</b>	Select the effective date for the interest optimization.

Field	Description
<b>End Date</b>	Select the end date for the interest optimization. The end date should be more than the effective date.
<b>Threshold Currency</b>	Click the search icon and select the threshold currency from the list. The list displays all the currency maintained in the system.
<b>Threshold Amount</b>	Specify the threshold amount.
<b>Existing Structure ID</b>	Click the search icon and select the existing structure ID from the list. The list displays all the structure IDs maintained in the system.
<b>Enrich</b>	Click <b>Enrich</b> to fetch the rates and threshold details from the existing structure.
<b>Pause Start Date</b>	Select the pause start date to pause the interest optimization.
<b>Pause End Date</b>	Select the pause end date to resume the interest optimization.
<b>Interest Optimization Rate Type</b>	Click the search icon and select the rate type from the list. The list displays all the rate types maintained in the system.
<b>Nominated Account</b>	Click the search icon and select the nominated account from the list. The list displays all the account numbers maintained in the system.

Field	Description
<b>Participating Account</b> Click  /  button to add or remove the participating accounts.	
<b>Account Number</b>	Click the search icon and select the participating account from the list. The list displays all the account numbers maintained in the system.
<b>Currency Code</b>	Displays the currency code of the participating account.
<b>Branch Code</b>	Displays the branch code of the participating account.
<b>Available Balance</b>	Displays the available balance of the participating account.
<b>Currency Rates</b> Click  /  button to add or remove the currency rates.	
<b>Rate Type</b>	Select the rate type.  The available options are <ul style="list-style-type: none"> <li>• Enhancement Rate</li> <li>• Nomination Rate</li> <li>• Premium Rate</li> </ul>
<b>Currency Code</b>	Click the search icon and select the currency code from the list. The list displays all the currency code maintained in the system.
<b>From Amount</b>	Specify the amount from when the rate is applied.
<b>To Amount</b>	Specify the amount to when the rate is applied.
<b>Rate (%)</b>	Specify the rate percentage.

Field	Description
<b>Currency Threshold Details</b>	
Click  /  button to add or remove the currency threshold details.	
<b>Currency Code</b>	Click the search icon and select the currency code from the list. The list displays all the currency code maintained in the system.
<b>Threshold Amount</b>	Specify the threshold amount.

4. Click **Save** to save the details. The Structure ID is created and displayed in the Summary screen.
5. Click **Cancel** to discard the updated details and close the **Interest Optimization** screen. In such case, the updated details will not be saved.

## 4.4 Interest Allocation Methods

The interest calculated for notional pooling must be distributed to the participant accounts. The different allocation models which are supported by the system are as mentioned below:

- Central Distribution Model
- Even Distribution Model
- Even Direct Distribution Model
- Percentage Distribution Model
- Fair Share Model
- Reverse Fair Share Model
- Absolute Pro-Rata Model

### 4.4.1 Central Distribution Model

In this method, the interest\ advantage interest arrived is credited to one central account which can be one of the participant accounts or any other account

### 4.4.2 Even Distribution Model

In this method, the interest\ advantage arrived is evenly distributed amongst the participant accounts

### 4.4.3 Even Direct Distribution Model

In this method the Interest reward is evenly spread across all accounts with positive balances.

#### 4.4.4 Percentage Distribution Model

In this method, pre-defined percentage of the interest\ advantage arrived is distributed amongst the participant accounts.

#### 4.4.5 Fair Share Model

In this method, If the net pool position is positive, the interest/advantage interest arrived is distributed amongst the positive contributors in the ratio of their contribution (**Both in Interest and Advantage models**).

If the net pool position is negative the interest amount is distributed amongst the negative contributors in the ratio of their contribution (**Interest model**)

If the net pool position is negative, the advantage interest amount is distributed amongst the negative contributors in the ratio of their contribution. For example, the interest calculated at the account level is @10% but the interest calculated at pool level is @8% taking into consideration few positive account contributors (**Advantage model**)

#### 4.4.6 Reverse Fair Share Model

In this method, if the new pool position is positive, the interest/advantage interest arrived is distributed amongst the negative contributors in the ratio of their contribution (**Both in Interest and advantage models**)

If the net pool position is negative, the interest amount is distributed amongst the positive contributors in the ratio of their contribution (**Interest model**)

If the net pool position is negative, the advantage interest amount is distributed amongst the positive contributors in the ratio of their contribution (**Advantage model**)

#### 4.4.7 Absolute Pro-Rata Model

In this method, absolute balances of all accounts would be considered, and interest would be shared proportionately to all accounts.

## 4.5 Interest Reallocation

Interest reallocation is applicable only to central distribution model of interest allocation. The interest/ advantage interest credited to the central account which would be a treasury account is re-distributed amongst the participant accounts using any of the above discussed allocation models.

In allocation models the debit was to the Bank GL, in re-allocation model the debit will be to the central treasury.

**NOTE:**

- Interest for the pool is calculated in the base currency of the pool header
- Interest reallocation from the header accounts will be in the account currency
- If the beneficiary account of a notional pool is in a different currency to that of the pool header, the interest amount posted is converted from the header account currency to the beneficiary account currency using the agreed FX rate between the two currencies

## 5 Multi Bank Cash Concentration

Multi Bank Cash Concentration (MBCC) are automated cash management systems for corporations with at-least one third party bank account.

It is an automated means of centralizing balances held at third-party banks of the corporate (In this process liquidity is either transferred to the various TPB accounts or Liquidity is pulled out of various TPB accounts)

It caters to the corporate need to maintain important third-party local bank relationships for rendering truly localized services while optimizing the potential yield from liquidity consolidated with a global concentration bank

### 5.1 Benefits of MBCC

The benefit of MBCC can be listed as below:

- Consolidates Cash balances effectively
- Enhances yield on surplus cash
- Better overview and easier access to group-wide liquidity
- Timely access to information and improved liquidity management

### 5.2 Features in MBCC

The following features are provided for MBCC in LM:

- Automated movement of funds across multiple third-party bank accounts, currencies, banks and geographic regions
- Multi Bank Cash Concentration though SWIFT using MT940\MT941, MT942, CAMT.052, CAMT.053
- Flexibility to add or delete accounts in the MBCC structure
- Flexibility of movement at end of day, intraday, weekly (particular day of a week) or Monthly (particular day of a month)
- Flexible sweep types such as Zero / Target / Threshold / Collar balancing / Percentage
- Multi-currency multi bank cash concentration
- For sweeps (both inward and outward) which involve a currency conversion the FX rate would be picked up from maintenance

## 5.3 Sweep Mechanism

These following steps lists out the sweep mechanism:

- Mirror accounts for all the third-party accounts are created in the Third-Party Maintenance
- Multi Bank Cash Concentration Structures are created
- The Third-Party Bank accounts are created as child account in the MBCC structures
- MBCC cut offs are maintained for each BIC

### 5.3.1 Sweep In

The steps followed for sweep in are as below:

- Account balances from the third-party accounts uploaded in to the system through MT940 or MT941 or MT942 or CAMT.052 or CAMT.053 as per the pre-defined frequency parameters and time intervals for each mirror account.
- Mirror account balances will be updated by processing the incoming MT940, MT941, MT942, CAMT.052, CAMT.053
- Balances will be updated based on either MT940 (Customer Statement) or MT941(Balance report) or MT942 (Interim transaction report), CAMT.052 (Interim Transaction report or Balance report) or CAMT.053 (Customer Statement)
- MT 940: Balance can be updated based on the closing available balance tag of the message and duplicates can be checked based on statement number/sequence number tag.
- MT941: Balance can be updated based on the closing available balance tag of the message and duplicates can be checked based on statement number tag
- When a MT942 (Interim transaction report from the last statement or balance report or the last interim report) is received the current available balance in the external account will be determined
- The same is achieved by taking the balance from the previous MT940 or MT942 and credits are added, and debits are subtracted
- CAMT.053: Balance is updated based on the closing available balance of the external account.
- CAMT.052: The current available balance of the external account is determined from the balance or interim transaction report.
- If the response/incoming MT940, MT941, MT942, CAMT.052, CAMT.053 updates a Credit balance in the mirror account, MT101 will be generated at the set time for requesting a sweep-in.
- The processing of MT103 which is received in response to MT101 will update the designated CASA Account

- MT101 generation will cater to the following sweep types on third party accounts:
  - Zero balance sweep
  - Target balancing (Fixed)
  - Threshold balancing
  - Collar balancing
  - Percentage sweep

MT/CAMT	Message	Purpose
MT940	Customer Statement Message	Provides balance and transaction details of an account to a FI on behalf of the account owner
MT941	Balance Report	Provides balance information of an account to a financial institution on behalf of the account owner
MT942	Interim Transaction Report	<p>Provides balance and transaction details of an account, for a specified period, to a financial institution on behalf of an account owner</p> <p>It is used to transmit detailed and/or summary information about entries debited or credited to the account since:</p> <ul style="list-style-type: none"> <li>• The last statement or balance report, or</li> <li>• The last interim transaction report (sent in the period since the last statement or balance report).</li> </ul>
CAMT.052	Interim Transaction report or Balance report	<p>Provides balance and transaction details of an account, for a specified period, to a financial institution on behalf of an account owner.</p> <ol style="list-style-type: none"> <li>1. It is used to transmit the balance report</li> <li>2. It is used to transmit detailed and/or summary information about entries debited or credited to the account since:           <ul style="list-style-type: none"> <li>• The last statement or balance report</li> <li>• The last interim transaction report (sent in the period since the last statement or balance report).</li> </ul> </li> </ol> <p>The camt.052 replaces the MT941 and MT942 messages</p>

MT/CAMT	Message	Purpose
CAMT.053	Customer Statement Message	Provides balance and transaction details of an account to a Financial Institution on behalf of the account owner. The Camt.053 replaces the MT940/ MT950 messages.

### 5.3.2 Sweep Out

The steps followed for sweep out are as below:

- If the response\ incoming MT940, MT941, MT942, CAMT.052, CAMT.053 updates a Debit balance in the mirror account, then a MT103 will be generated at the set time maintained for a sweep-out to regularize the debit balance on the third-party account
- System will follow the sweep parameters set at the account level when arriving at the amount to be transferred via a MT103.
- The sweep parameters can be set as the following as an independent or a combination:
  - Zero balance sweep
  - Target balancing (Fixed)
  - Threshold balancing s
  - Collar balancing
  - Percentage sweep

## 5.4 MBCC System Setup

The following maintenance screens must be configured to set up multi bank cash concentration structure:

### 5.4.1 Application Parameters Maintenance

Multi Bank Cash Concentration flag should be checked at the Application Parameters to enable the system to process MBCC structures

**Figure 3: Application Parameters Maintenance**

The screenshot displays the 'Application Parameters Maintenance' interface. At the top, there is an 'Application' header with a 'Unlock' button. Below this, four input fields are visible: 'Application Name' (containing 'ORACLE BANKING LIQUIDITY MANAGE'), 'Release Version' (containing '1.0'), 'Application Host Country Code' (containing 'USA' with a search icon), and 'Application Host Country Name' (containing 'USA').

The main configuration area includes several sections:

- BVT Allowed:** A toggle switch is currently turned off.
- Action When Account Is Blocked / Insufficient Funds:** Radio buttons for 'Skip Account Pair' (selected), 'Skip Whole Structure', and 'Use Multi-Currency Account Number'.
- Action On Multi-Currency Accounts:** Radio buttons for 'Use Multi-Currency Account Number' (selected) and 'Use Linked Account Number'.
- Multi Bank Cash Concentration:** A toggle switch is turned on.
- Allow Account In Multiple Structures:** A toggle switch is turned on.
- Sweep Basis:** Radio buttons for 'Value Dated Balance' (selected) and 'Available Balance'.
- Products:** A grid of toggle switches for various sweep and pool options:
  - Sweep: Sweep (on), Pool (on), Hybrid (on).
  - Domestic: Domestic (on), Domestic Sweep (on), Domestic Pool (on).
  - Cross Border: Cross Border (on), Cross Border Sweep (on), Cross Border Pool (off).
  - Cross Currency: Cross Currency (on), Cross Currency Sweep (on), Cross Currency Pool (on).

**Table 3: Application Parameters Maintenance – Field Description**

Field	Description
<b>Application Name</b>	Specify the unique Application name. This is usually a back-end upload.
<b>Release Version</b>	Specify the LM release number. This is usually a back-end upload.
<b>Application Host Country Code</b>	Click the search icon and select the ISO code of the country in which the instance has been installed from the drop-down list.

Field	Description
<b>Applicant Host Country Name</b>	Displays the name of the country in which the instance has been installed from the drop-down list.
<b>BVT allowed</b>	Check this box to allow BVT
<b>Multiple Bank Cash Concentration</b>	Check this box to allow set up of Multi Bank Cash Concentration Liquidity Structures
<b>Allow Account in Multiple Structure</b>	Check this box to allow account in Multiple Structure
<b>Action When Account Is Blocked / Insufficient Funds</b>	<p>Indicate the action to be taken by the system when an account in the structure is blocked.</p> <p>The available options are:</p> <ul style="list-style-type: none"> <li>• Skip Account Pair - Skip the account pair and continue with the rest of the structure</li> <li>• Skip Whole Structure - Skip the whole structure</li> </ul>
<b>Sweep Basis</b>	Indicate the type of balance on which the Sweep needs to be executed in the system, the options available are Available Balance and Value Dated Balance.
<b>Action on Multi-Currency Accounts</b>	<p>Indicate whether to store Multi-Currency account number or Linked Account number when Multi-currency account is created in Oracle Banking Liquidity Management, options available are Use Multi Currency Account Number and Use Linked Account Number</p> <p>Multi-Currency Accounts usage is restricted to ASPAC region</p>
<b>Transaction Failure Retry Count</b>	Specify the retry count for the system when the sweep hand off fails.

Field	Description
<b>Products</b>	Select the type of products allowed in the system.  The available options are: <ul style="list-style-type: none"> <li>• Sweep - Check this box to allow sweep structures in the system.</li> <li>• Pool - Check this box to allow pool structures in the system</li> <li>• Hybrid - Check this box to allow Hybrid (Combination of Sweep and Pool) structures in the system</li> </ul>
<b>Sweep</b>  Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box to allow Domestic accounts in sweep structures.
<b>Cross Border</b>	Check this box to allow Cross Border accounts in sweep structures.
<b>Cross Currency</b>	Check this box to allow Cross currency accounts in sweep structures.
<b>Pool</b>  Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box to allow Domestic accounts in pool structures.
<b>Cross Border</b>	Check this box to allow Cross Border accounts in pool structures.
<b>Cross Currency</b>	Check this box to allow Cross currency accounts in pool structures.

Field	Description
<b>Hybrid</b>	Check this box to select domestic/cross border/cross currency in liquidity structures.
<b>Domestic Sweep</b>	Check this box to allow Domestic accounts in hybrid structures.
<b>Cross Border Sweep</b>	Check this box to allow Cross Border accounts in hybrid structures.
<b>Cross Currency Sweep</b>	Check this box to allow Cross currency accounts in hybrid structures.
<b>Domestic Pool</b>	Check this box to allow Domestic accounts in hybrid structures.
<b>Cross Border Pool</b>	Check this box to allow Cross Border accounts in hybrid structures.
<b>Cross Currency Pool</b>	Check this box to allow Cross currency accounts in hybrid structures.

## 5.4.2 Country Maintenance

The regulatory system must allow corporate to set-up MBCC in the country where liquidity management instance is running.

While defining a MBCC group the system will validate whether multiple bank facility is allowed in particular country

**Figure 4: Country Maintenance**

The screenshot shows a 'Country' maintenance form with the following fields and controls:

- Country Code \***: Input field with 'USA' and a search icon.
- Country Name**: Input field with 'USA'.
- Currency Code**: Input field with 'GBP' and a search icon.
- IE Benefit Allowed**: Toggle switch (off).
- IE Participation Allowed**: Toggle switch (on).
- Products**: A grid of toggle switches for various product types:
  - Sweep**: Sweep (on), Domestic (on), Cross Border (on), Cross Currency (on)
  - Pool**: Pool (on), Domestic (on), Cross Border (on), Cross Currency (on)
  - Hybrid**: Hybrid (on), Domestic Sweep (on), Cross Border Sweep (on), Cross Currency Sweep (on)
  - Domestic Pool**: Domestic Pool (on), Cross Border Pool (on), Cross Currency Pool (on)

**Table 4: Country Maintenance – Field Description**

Field	Description
<b>Country Code</b>	Click the search icon and select the country code of the country for which the compliance is to be set. You can select the relevant country code from the option list. The list displays all the country codes maintained in the system
<b>Country Name</b>	Specify the name of the country.
<b>Currency Code</b>	Click the search icon and select the base currency

<b>Field</b>	<b>Description</b>
<b>IE Participation</b>	Check this box to allow the accounts from this country in Interest Enhancement Structure
<b>IE Benefit</b>	Check this box to allow the accounts from this country to get Interest Enhancement Benefit.
<b>Products</b>	<p>Select the type of products allowed for that country.</p> <p>The available options are:</p> <ul style="list-style-type: none"> <li>• Sweep - Check this box to allow accounts from this country to participate in sweep structures</li> <li>• Pool - Check this box to allow accounts from this country to participate in pool structures</li> <li>• Hybrid - Check this box to allow accounts from this country to participate in Hybrid (Combination of Sweep and Pool) structures in the system</li> </ul>
<p><b>Sweep</b></p> <p>Check this box to select domestic/cross border/cross currency in liquidity structures.</p>	
<b>Domestic</b>	Check this box if the country allows Domestic accounts to participate in sweep structures.
<b>Cross Border</b>	Check this box if the country allows Cross Border accounts in sweep structures.
<b>Cross Currency</b>	Check this box if the country allows Cross Currency accounts in sweep structures.
<p><b>Pool</b></p> <p>Check this box to select domestic/cross border/cross currency in liquidity structures.</p>	
<b>Domestic</b>	Check this box if the country allows Domestic sweep accounts in pool structures.

Field	Description
<b>Cross Border</b>	Check this box if the country allows Cross Border accounts in pool structures.
<b>Cross Currency</b>	Check this box if the country allows Cross Currency accounts in pool structures.
<b>Hybrid</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic Sweep</b>	Check this box if the country allows Domestic sweep accounts in hybrid structures.
<b>Cross Border Sweep</b>	Check this box if the country allows Cross Border accounts in hybrid structures.
<b>Cross Currency Sweep</b>	Check this box if the country allows Cross Currency accounts in hybrid structures.
<b>Domestic Pool</b>	Check this box if the country allows Domestic sweep accounts in hybrid structures.
<b>Cross Border Pool</b>	Check this box if the country allows Cross Border accounts in hybrid structures.
<b>Cross Currency Pool</b>	Check this box if the country allows Cross Currency accounts in hybrid structures.
<b>Parameter</b>	Specify additional parameters if any.  Click '+' to add a row and specify the Parameter, Value of the same.  Click '-' to remove a row.  This is a place holder for any additional information capture.

### 5.4.3 Bank Maintenance

The Bank level maintenance should allow Multi Bank Cash Concentration to be set up in the bank where the liquidity management instance is running.

**Figure 5: Bank Maintenance**

The screenshot displays the 'Bank Parameters' configuration interface. At the top, there are 'New', 'Unlock', and 'Close' buttons. The main area contains several input fields and toggle switches. The 'Bank Code' field is set to '0020' with a search icon. The 'Bank Name' field is 'LM BANK'. The 'Bank Type' is 'Internal' and the 'Source' is 'OBLMUI'. Below these are two rows of toggle switches. The first row includes 'Multi Bank Cash Concentration' and 'BVT Allowed', both of which are turned on. The second row contains a grid of 12 toggle switches for various products: Sweep, Pool, Hybrid, Domestic, Domestic Sweep, Domestic Pool, Cross Border, Cross Border Sweep, Cross Border Pool, Cross Currency, Cross Currency Sweep, and Cross Currency Pool. All these switches are also turned on. A 'Rectangular Sweep' button is located to the right of the product grid.

**Table 5: Bank Maintenance – Field Description**

Field	Description
<b>Bank Code</b>	Click the search icon and select the bank code. You can select the bank code from the option list.
<b>Bank Name</b>	The system displays the bank name based on the selected bank code.
<b>Bank Type</b>	This will always default to Internal. External banks are created from Third Party Maintenance screens.
<b>Source</b>	Specifies the source of maintenance, if created from front end it will default to OBLLMUI.

Field	Description
<b>Multi Bank Cash Concentration</b>	Check this box if the selected bank allows MBCC. If this box is selected, it means that the host bank supports MBCC.
<b>BVT Allowed</b>	Check this box if selected banks allow BVT.
<b>Products</b>	<p>Select the type of products allowed for the Host Bank. The available options are:</p> <ul style="list-style-type: none"> <li>• Sweep - Check this box to allow in sweep structures in the Bank</li> <li>• Pool - Check this box to allow pool structures in the Bank</li> <li>• Hybrid - Check this box to allow Hybrid (Combination of Sweep and Pool) structures in the Bank</li> </ul>
<p><b>Sweep</b></p> <p>Check this box to select domestic/cross border/cross currency in liquidity structures.</p>	
<b>Domestic</b>	Check this box if the bank allows Domestic accounts to participate in sweep structures
<b>Cross Border</b>	Check this box if the bank allows Cross Border accounts in sweep structures.
<b>Cross Currency</b>	Check this box if the bank allows Cross Currency accounts in sweep structures.
<p><b>Pool</b></p> <p>Check this box to select domestic/cross border/cross currency in liquidity structures.</p>	
<b>Domestic</b>	Check this box if the bank allows Domestic sweep accounts in pool structures.

Field	Description
<b>Cross Border</b>	Check this box if the bank allows Cross Border accounts in pool structures.
<b>Cross Currency</b>	Check this box if the bank allows Cross Currency accounts in pool structures.
<b>Hybrid</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic Sweep</b>	Check this box if the bank allows Domestic sweep accounts in hybrid structures.
<b>Cross Border Sweep</b>	Check this box if the bank allows Cross Border accounts in hybrid structures.
<b>Cross Currency Sweep</b>	Check this box if the bank allows Cross Currency accounts in hybrid structures.
<b>Domestic Pool</b>	Check this box if the bank allows Domestic sweep accounts in hybrid structures.
<b>Cross Border Pool</b>	Check this box if the bank allows Cross Border accounts in hybrid structures.
<b>Cross Currency Pool</b>	Check this box if the bank allows Cross Currency accounts in hybrid structures.
<b>Parameter</b>	Specify additional parameters if any.  Click '+' to add a row and specify the Parameter, Value of the same.  Click '-' to remove a row.  This is a place holder for any additional information capture.

### 5.4.4 Branch Maintenance

The Branch level maintenance should allow Multi Bank Cash Concentration to be set up in the bank where the liquidity management instance is running.

**Figure 6: Branch Maintenance**

The screenshot displays the 'Branch parameters' form. At the top, there are 'New', 'Unlock', and 'Close' buttons. The form is divided into several sections:

- Branch Information:** Fields for Branch Code (SKL), Branch Name (SKL), Bank Code (0020), and Currency Code (GBP). Other fields include External System ID, External Reference, BIC Code (ALTBIC12), Date (Nov 30, 2018), Balance Type (Online), Source (OBLMUI), and Local Clearing Code.
- Address Details:** Fields for Address Line 1-4, Country Code (USA), City ID (Valatie), Region (America/Boise), and Time Zone (UTC-06:00).
- Products:** A grid of toggle switches for Sweep, Pool, Hybrid, Domestic, Domestic Sweep, Domestic Pool, Cross Border, Cross Border Sweep, Cross Border Pool, Cross Currency, Cross Currency Sweep, and Cross Currency Pool.
- Parameters:** A table with columns for Name and Value, currently showing 'No data to display.'

**Table 6: Branch Maintenance – Field Description**

Field	Description
<b>Branch Code</b>	Click the search icon and select the Branch code from the LOV, The Branch are already created as part of common core.

<b>Field</b>	<b>Description</b>
<b>Branch Name</b>	The Branch name is defaulted from common core maintenance.
<b>Bank Code</b>	Click the search icon and select the bank code. You can select the bank code from the option list. The list displays all the bank codes maintained in the system.
<b>Currency Code</b>	Click the search icon and select the local currency used by the branch from the dropdown list.
<b>External System ID</b>	Click the search icon and select the External System ID for branch. This is to identify the DDA of the branch in an multi DDA scenario.
<b>BIC Code</b>	BIC code is defaulted from the common core.
<b>Balance Type</b>	Select the balance build method as online or offline.
<b>Local Clearing Code</b>	Specify local clearing code for the selected branch.
<b>External Reference</b>	When the branch code is maintained differently in Oracle Banking Liquidity Management from DDA, this field stores the actual Branch code as defined in DDA and gets linked with the Oracle Banking Liquidity Management branch code.
<b>Date</b>	<p>This field displays the current Branch date.</p> <p>When a new branch is getting created this will get defaulted to the LMB branch date.</p> <p>The date will change automatically on completion of the EOC process for the branch.</p>

<b>Field</b>	<b>Description</b>
<b>Source</b>	Specifies the source of maintenance, if created from front end it will default to Oracle Banking Liquidity Management UI.
<b>Host Code</b>	Host code is defaulted from the common core. This parameter is not used in Oracle Banking Liquidity Management.
<b>Address Details</b>	Specify the address of the bank in below fields. <ul style="list-style-type: none"> <li>• Address Line 1</li> <li>• Address Line 2</li> <li>• Address Line 3</li> <li>• Address Line 4</li> </ul>
<b>Country Code</b>	Select the country code of the Branch
<b>City ID</b>	Select the city code of the Branch
<b>Region</b>	Select the region of the Branch
<b>Time Zone</b>	Time Zone of the region is defaulted
<b>Products</b>	Select the type of products allowed for the branch. The available options are: <ul style="list-style-type: none"> <li>• Sweep - Check this box to allow accounts of the branch in sweep structures.</li> <li>• Pool - Check this box to allow accounts of the branch in pool structures.</li> <li>• Hybrid - Check this box to allow accounts of the branch in Hybrid (Combination of Sweep and Pool) structures.</li> </ul>

Field	Description
<b>Sweep</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box to allow accounts from the branch to participate in Domestic sweep structures.
<b>Cross Border</b>	Check this box to allow accounts from the branch to participate in Cross Border sweep structures.
<b>Cross Currency</b>	Check this box to allow accounts from the branch to participate in Cross Currency sweep structures.
<b>Pool</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box to allow accounts from the branch to participate in Domestic pool structures.
<b>Cross Border</b>	Check this box to allow accounts from the branch to participate in Cross Border pool structures.
<b>Cross Currency</b>	Check this box to allow accounts from the branch to participate in Cross Currency pool structures.
<b>Hybrid</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic Sweep</b>	Check this box if the accounts from the branch are allowed as Domestic sweep accounts in hybrid structures.
<b>Cross Border Sweep</b>	Check this box if the accounts from the branch are allowed as Cross Border sweep accounts in hybrid structures.

<b>Field</b>	<b>Description</b>
<b>Cross Currency Sweep</b>	Check this box if the accounts from the branch are allowed as Cross Currency sweep accounts in hybrid structures.
<b>Domestic Pool</b>	Check this box if the accounts from the branch are allowed as Domestic pool accounts in hybrid structures.
<b>Cross Border Pool</b>	Check this box if the accounts from the branch are allowed as Cross Border pool accounts in hybrid structures.
<b>Cross Currency Pool</b>	Check this box if the accounts from the branch are allowed as Cross Currency pool accounts in hybrid structures.
<b>Parameter</b>	<p>Specify additional parameters if any.</p> <p>Click '+' to add a row and specify the Parameter, Value of the same.</p> <p>Click '-' to remove a row.</p>

## 5.4.5 Interface Instruction Maintenance

System allows to maintain payment parameter values at bank level for all the internal and external banks participating in liquidity management structure. The values captured in this screen will be handed off to payment systems to initiate domestic or cross border sweep.

**Figure 7: Interface Instruction Maintenance**

**Table 7: Interface Instruction Maintenance – Field Description**

Field	Description
<b>Interface</b>	Specify the interface name for interface instruction. This field is mandatory.
<b>Service Name</b>	Click the search icon and select the service name for which the instruction is to be set. You can select the relevant service name from the option list. The list displays all the service name maintained in the system

<b>Field</b>	<b>Description</b>
<b>Network Type</b>	The system displays network type for the selected external system Id.
<b>Message Type</b>	The system displays message type for the selected external system Id.
<b>Service Type</b>	The system displays Service type for the selected external system Id.
<b>Parameters</b>	
This section maintains the tag values for the interface service which is getting maintained.	
<b>Name</b>	Specify the interface parameter name for interface instruction.
<b>Value</b>	Specify the interface parameter value for interface instruction. # Values indicates that the values will be populated dynamically during the hand off process.
<b>Event</b>	
<b>Event Code</b>	Specify the event code for interface instruction. These codes are used internally by the system to track the current status of an interaction.
<b>Event Description</b>	Specify the event description for interface instruction.

**Example**

<b>Interface Description</b>	<b>Even Code</b>	<b>Event Description</b>
Payments	STS1-103	Ack of MT103
Payments	STS2-103	SWIFT ACK/NACK Status

## 5.4.6 MBCC Currency Cut Off Maintenance

System allows to maintain the incoming and outgoing cutoff times for a combination of BIC, Currency, Message.

This cutoff is to be referred to when maintaining the sweep frequencies in the MBCC structures.

**Figure 8: MBCC Currency Cut Off Maintenance**

**Table 8: MBCC Currency Cut Off Maintenance – Field Description**

Field	Description
<b>BIC Code</b>	Click the search icon and select the BIC Code of the branch for which currency cutoffs are to be maintained.
<b>Currency Code</b>	Specify the currency code for which the cut off time is to be set. You can select the currency from the option list. The list displays all the currencies maintained in the system.
<b>Message Type</b>	Specify the message type to be associated with the currency. You can select the message type from the option list. The list displays all the message type maintained in the system.
<b>Incoming Cutoff Hour</b>	Specify the incoming cut off hour.
<b>Incoming Cutoff Min</b>	Specify the incoming cut off minute.

<b>Field</b>	<b>Description</b>
<b>Outgoing Cutoff Hour</b>	Specify the outgoing cut off hour.
<b>Outgoing Cutoff Min</b>	Specify the outgoing cut off minute.

## 6 Maintaining Parameters for Liquidity Management

### 6.1 Introduction

You need to maintain certain parameters before start of processing. They are:

- Application Parameters Setup
- Country Setup
- Bank Setup
- Branch Setup
- Currency Setup
- Customer Setup
- Account Setup
- Sweep Frequency Setup
- Sweep Product Setup
- Sweep Instruction Setup
- MBCC Currency Cutoff Setup
- Interest Rule Maintenance
- Product Maintenance (Interest)
- IC Group Input
- IC Group Product Mapping Input
- Branch Parameter (Interest)
- UDE Value Input
- IC Accounting Entry Maintenance
- Charge Product Preferences
- Customer Interest Role to Head Mapping
- IC Rate Code Maintenance
- Rate Input Maintenance
- Period Code Maintenance
- Product UDE Limits
- File Upload
- Account Group
- User Linkage

## 6.2 Maintaining Application Parameters

You can use the Application Parameters for maintaining the system level parameters.

To view Application Parameters, go to

Oracle Banking Liquidity Management > Maintenance > Application Parameters

You are required to input the following details in this screen:

**Figure 9: Application Parameters**

**Table 9: Application Parameters – Field Description**

Field	Description
<b>Application Name</b>	Specify the unique Application name. This is usually a back-end upload.
<b>Release Version</b>	Specify the LM release number. This is usually a back-end upload.
<b>Application Host Country Code</b>	Click the search icon and select the ISO code of the country in which the instance has been installed from the drop-down list.

Field	Description
<b>BVT allowed</b>	Check this box to allow BVT.
<b>Multiple Bank Cash Concentration</b>	Check this box to allow set up of Multi Bank Cash Concentration Liquidity Structures.
<b>Allow Account in Multiple Structure</b>	Check this box to allow account in Multiple Structure.
<b>Action When Account Is Blocked / Insufficient Funds</b>	<p>Indicate the action to be taken by the system when an account in the structure is blocked.</p> <p>The available options are:</p> <ul style="list-style-type: none"> <li>• Skip Account Pair - Skip the account pair and continue with the rest of the structure</li> <li>• Skip Whole Structure - Skip the whole structure</li> </ul>
<b>Sweep Basis</b>	Indicate the type of balance on which the Sweep needs to be executed in the system, the options available are Available Balance and Value Dated Balance.
<b>Action on Multi-Currency Accounts</b>	<p>Indicate whether to store Multi-Currency account number or Linked Account number when Multi-currency account is created in Oracle Banking Liquidity Management, options available are Use Multi Currency Account Number and Use Linked Account Number.</p> <p>Multi-Currency Accounts usage is restricted to ASPAC region.</p>
<b>Transaction Failure Retry Count</b>	Specify the retry count for the system when the sweep hand off fails.

Field	Description
<b>Products</b>	Select the type of products allowed in the system.  The available options are: <ul style="list-style-type: none"> <li>• Sweep - Check this box to allow sweep structures in the system</li> <li>• Pool - Check this box to allow pool structures in the system</li> <li>• Hybrid - Check this box to allow Hybrid (Combination of Sweep and Pool) structures in the system</li> </ul>
<b>Sweep</b>  Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box to allow Domestic accounts in sweep structures.
<b>Cross Border</b>	Check this box to allow Cross Border accounts in sweep structures.
<b>Cross Currency</b>	Check this box to allow Cross currency accounts in sweep structures.
<b>Pool</b>  Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box to allow Domestic accounts in pool structures.
<b>Cross Border</b>	Check this box to allow Cross Border accounts in pool structures.
<b>Cross Currency</b>	Check this box to allow Cross Currency accounts in pool structures.

Field	Description
<b>Hybrid</b>	Check this box to select domestic/cross border/cross currency in liquidity structures.
<b>Domestic Sweep</b>	Check this box to allow Domestic sweep accounts in hybrid structures.
<b>Cross Border Sweep</b>	Check this box to allow Cross Border sweep accounts in hybrid structures.
<b>Cross Currency Sweep</b>	Check this box to allow Cross Currency sweep accounts in hybrid structures.
<b>Domestic Pool</b>	Check this box to allow Domestic pool accounts in hybrid structures.
<b>Cross Border Pool</b>	Check this box to allow Cross Border pool accounts in hybrid structures.
<b>Cross Currency Pool</b>	Check this box to allow Cross Currency pool accounts in hybrid structures.

### 6.3 Maintaining Bank Setup

Bank setup maintenance captures details of the banks participating in Liquidity Management. This set up is done both for the Host bank only and the External banks are set up from third party maintenance screens

To create Bank Parameters, go to

Oracle Banking Liquidity Management > Maintenance > Bank Parameters.

**Figure 10: Bank Parameters**

**Table 10: Bank Parameters – Field Description**

Field	Description
<b>Bank Code</b>	Click the search icon and select the bank code. You can select the bank code from the option list.
<b>Bank Name</b>	The system displays the bank name based on the selected bank code.

<b>Field</b>	<b>Description</b>
<b>Bank Type</b>	This will always default to Internal. External banks are created from Third Party Maintenance screens
<b>Source</b>	Specifies the source of maintenance, if created from front end it will default to OBLLMUI.
<b>Multi Bank Cash Concentration</b>	Check this box if the selected bank allows MBCC. If this box is selected, it means that the host bank supports MBCC.
<b>BVT Allowed</b>	Check this box if selected banks allow BVT.
<b>Products</b>	<p>Select the type of products allowed for the Host Bank.</p> <p>The available options are:</p> <ul style="list-style-type: none"> <li>• Sweep - Check this box to allow in sweep structures in the Bank</li> <li>• Pool - Check this box to allow pool structures in the Bank</li> <li>• Hybrid - Check this box to allow Hybrid (Combination of Sweep and Pool) structures in the Bank</li> </ul>
<b>Sweep</b>	
Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box if the bank allows Domestic accounts to participate in sweep structures
<b>Cross Border</b>	Check this box if the bank allows Cross Border accounts in sweep structures.
<b>Cross Currency</b>	Check this box if the bank allows Cross Currency accounts in sweep structures.

Field	Description
<b>Pool</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box if the bank allows Domestic sweep accounts in pool structures.
<b>Cross Border</b>	Check this box if the bank allows Cross Border accounts in pool structures.
<b>Cross Currency</b>	Check this box if the bank allows Cross Currency accounts in pool structures.
<b>Hybrid</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic Sweep</b>	Check this box if the bank allows Domestic sweep accounts in hybrid structures.
<b>Cross Border Sweep</b>	Check this box if the bank allows Cross Border accounts in hybrid structures.
<b>Cross Currency Sweep</b>	Check this box if the bank allows Cross Currency accounts in hybrid structures.
<b>Domestic Pool</b>	Check this box if the bank allows Domestic sweep accounts in hybrid structures.
<b>Cross Border Pool</b>	Check this box if the bank allows Cross Border accounts in hybrid structures.
<b>Cross Currency Pool</b>	Check this box if the bank allows Cross Currency accounts in hybrid structures.

Field	Description
<b>Parameter</b>	<p>Specify additional parameters if any.</p> <p>Click '+' to add a row and specify the Parameter, Value of the same.</p> <p>Click '-' to remove a row.</p> <p>This is a place holder for any additional information capture.</p>
<b>Charges Preferences</b>	
<b>Charges Calculation</b>	<p>Select the option whether the charges will be calculated internally or by an external system.</p> <p>The available options are</p> <ul style="list-style-type: none"> <li>• Internal</li> <li>• External</li> </ul>
<b>Charges Collection</b>	<p>Select the option whether the charge postings will be performed internally or by an external system.</p> <p>The available options are</p> <ul style="list-style-type: none"> <li>• Internal</li> <li>• External</li> </ul> <p>If the <b>Charge Calculation</b> is selected as <b>External</b>, the <b>Charge Collection</b> will always be <b>External</b>.</p>

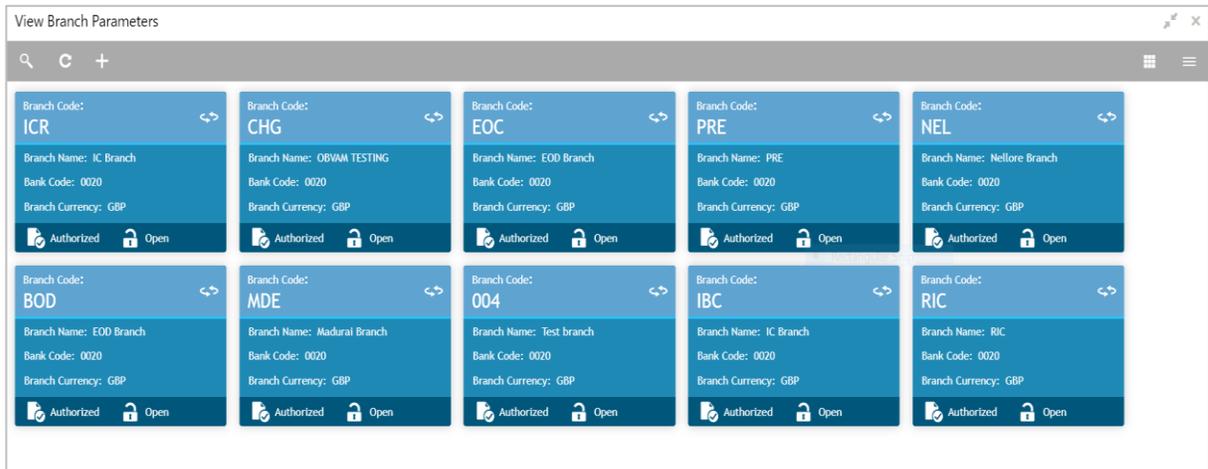
## 6.4 Maintaining Branch Parameters

Branch Parameters allows you to maintain the branch details.

To view Branch parameters, go to

Oracle Banking Liquidity Management > Maintenance > Branch Parameters > View Branch Parameters

**Figure 11: View Branch Parameters**



To create Branch parameters, go to

Oracle Banking Liquidity Management > Maintenance > Branch Parameters > Create Branch Parameters

**Figure 12: Branch Parameters**

The screenshot shows the 'Create Branch Parameters' form with the following sections and fields:

- Branch Code:** Searchable input field.
- Branch Name:** Input field.
- Bank Code:** Searchable input field.
- Currency Code:** Input field.
- External/Source System ID:** Dropdown menu (Not Selected).
- Balance Type:** Dropdown menu (Select).
- Date:** Date picker (30 Nov 2018).
- Entity ID:** Input field.
- Entity Name:** Input field.
- BIC Code:** Dropdown menu.
- Balance Update Offset (Minutes):** Spinners.
- Local Clearing Code:** Input field.
- External Reference:** Input field.
- Source:** Input field (OELMUJ).
- Host Code:** Input field.
- Address Details:** Section header.
- Address Line 1-4:** Input fields.
- Country Code:** Searchable input field.
- City ID:** Searchable input field.
- Region:** Searchable input field.
- Time Zone:** Input field.
- Products:** Section header.
- Sweep:** Radio buttons (Sweep, Pool, Hybrid).
- Domestic:** Radio buttons (Domestic, Domestic Sweep, Domestic Pool).
- Cross Border:** Radio buttons (Cross Border, Cross Border Sweep, Cross Border Pool).
- Cross Currency:** Radio buttons (Cross Currency, Cross Currency Sweep, Cross Currency Pool).
- Parameters:** Section header.
- Parameters Table:** Table with columns: Name, Value, Action. Includes a '+', edit, and delete icons.
- Page:** 1 of 1 (1 of 1 items).
- Charge Exchange Rate Preferences:** Section header.
- Rate Type:** Input field (STANDARD).
- Rate Code:** Radio buttons (Mid Rate, Buy/Sell Rate).
- Buttons:** Save, Cancel.

**Table 11: Branch Parameters – Field Description**

Field	Description
<b>Branch Code</b>	Click the search icon and select the Branch code from the LOV, The Branch are already created as part of common core
<b>Branch Name</b>	The Branch name is defaulted from common core maintenance
<b>Bank Code</b>	Click the search icon and select the bank code. You can select the bank code from the option list. The list displays all the bank codes maintained in the system.

Field	Description
<b>Currency Code</b>	Select the local currency used by the branch from the dropdown list.
<b>External System ID</b>	Click the search icon and select the External System ID for branch. This is to identify the DDA of the branch in an multi DDA scenario
<b>Entity ID</b>	Specify the Entity ID for branch.
<b>Entity Name</b>	Specify the Entity name for branch.
<b>BIC Code</b>	BIC code is defaulted from the common core
<b>Balance Type</b>	Select the balance build method as online or offline
<b>Balance Offset (Minutes)</b>	Define the balance offset beyond which the balances are considered stale for offline balance fetch
<b>Local Clearing Code</b>	Specify local clearing code for the selected branch.
<b>External Reference</b>	When the branch code is maintained differently in Oracle Banking Liquidity Management from DDA, this field stores the actual Branch code as defined in DDA and gets linked with the Oracle Banking Liquidity Management branch code
<b>Date</b>	<p>This field displays the current Branch date.</p> <p>When a new branch is getting created this will get defaulted to the LMB branch date.</p> <p>The date will change automatically on completion of the EOC process for the branch.</p>

Field	Description
<b>Source</b>	Specifies the source of maintenance, if created from front end it will default to Oracle Banking Liquidity Management UI.
<b>Host Code</b>	Host code is defaulted from the common core. This parameter is not used in Oracle Banking Liquidity Management.
<b>Address Details</b>	Specify the address of the bank in below fields. <ul style="list-style-type: none"> <li>• Address Line 1</li> <li>• Address Line 2</li> <li>• Address Line 3</li> <li>• Address Line 4</li> </ul>
<b>Country Code</b>	Select the country code of the Branch
<b>City ID</b>	Select the city code of the Branch
<b>Region</b>	Select the region of the Branch
<b>Time Zone</b>	Time Zone of the region is defaulted
<b>Products</b>	Select the type of products allowed for the Branch. The available options are: <ul style="list-style-type: none"> <li>• Sweep - Check this box to allow accounts of the branch in sweep structures</li> <li>• Pool - Check this box to allow accounts of the branch in pool structures</li> <li>• Hybrid - Check this box to allow accounts of the branch in Hybrid (Combination of Sweep and Pool) structures</li> </ul>

Field	Description
<b>Sweep</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box to allow accounts from the branch to participate in Domestic sweep structures.
<b>Cross Border</b>	Check this box to allow accounts from the branch to participate in Cross Border sweep structures.
<b>Cross Currency</b>	Check this box to allow accounts from the branch to participate in Cross Currency sweep structures.
<b>Pool</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box to allow accounts from the branch to participate in Domestic pool structures.
<b>Cross Border</b>	Check this box to allow accounts from the branch participate in Cross Border pool structures.
<b>Cross Currency</b>	Check this box to allow accounts from the branch participate in Cross Currency pool structures.
<b>Hybrid</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic Sweep</b>	Check this if the accounts from the branch are allowed as Domestic sweep accounts in hybrid structures.
<b>Cross Border Sweep</b>	Check this if the accounts from the branch are allowed as Cross Border sweep accounts in hybrid structures.

Field	Description
<b>Cross Currency Sweep</b>	Check this if the accounts from the branch are allowed as Cross Currency sweep accounts in hybrid structures.
<b>Domestic Pool</b>	Check this if the accounts from the branch are allowed as Domestic pool accounts in hybrid structures
<b>Cross Border Pool</b>	Check this if the accounts from the branch are allowed as Cross Border pool accounts in hybrid structures.
<b>Cross Currency Pool</b>	Check this if the accounts from the branch are allowed as Cross Currency pool accounts in hybrid structures.
<b>Parameter</b>	<p>Specify additional parameters if any.</p> <p>Click '+' to add a row and specify the Parameter, Value of the same.</p> <p>Click '-' to remove a row.</p>
<b>Charge Exchange Rate Preferences</b>	
<b>Rate Type</b>	Select the rate type.
<b>Rate Code</b>	<p>Select the rate code.</p> <p>The available options are</p> <ul style="list-style-type: none"> <li>• Mid Rate</li> <li>• Buy/Sell Rate</li> </ul>

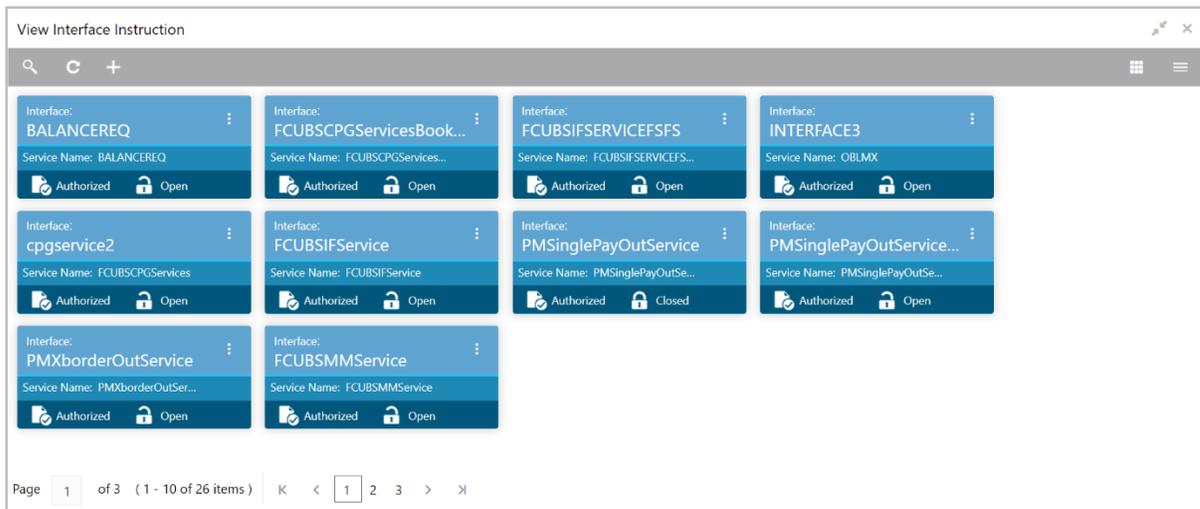
## 6.5 Maintaining Interface Instructions

Interface Instructions are maintained in the system to integrate Liquidity System with other External Systems like DDA, Payments.

To view External System setup, go to

Oracle Banking Liquidity Management > Maintenance > Interface Instruction > View Interface Instruction

**Figure 13: View Interface Instruction**



To create Interface instructions, go to

Oracle Banking Liquidity Management > Maintenance > Interface instruction > Create Interface Instruction

Click **New** button to add a new Interface instruction. You are required to input the following details in this screen:

**Figure 14: Interface Instruction**

The screenshot shows a web form titled "Create Interface Instruction". At the top, there are four main input areas: "Interface" (with an asterisk indicating it's mandatory), "Service Name" (with a search icon and a dropdown menu showing "OBLMX"), "Network Type" (with a dropdown menu showing "Swift"), and "Service Type" (with a dropdown menu showing "Balance Request"). A green "Enrich" button is located next to the Service Name field. Below these are two sections: "Parameters" and "Event". Each section has a header, a table with columns for Name/Event Code and Value/Event Description, and a message "No data to display." at the bottom. At the bottom right of the form, there are "Save" and "Cancel" buttons.

**Table 12: Interface Instruction – Field Description**

Field	Description
<b>Interface</b>	Specify the interface name for interface instruction. This field is mandatory.
<b>Service Name</b>	Click the search icon and select the service name for which the instruction is to be set. You can select the relevant service name from the option list. The list displays all the service name maintained in the system.
<b>Network Type</b>	Displays the network type for the selected service name.
<b>Message Type</b>	Displays the message type for the selected service name.
<b>Service Type</b>	Displays the service type for the selected service name.

Field	Description
<b>Parameters</b>	
This section maintains the tag values for the interface service which is getting maintained.	
<b>Name</b>	Specify the interface parameter name for interface instruction.
<b>Value</b>	Specify the interface parameter value for interface instruction. # Values indicates that the values will be populated dynamically during the hand off process.
<b>Event</b>	
<b>Event Code</b>	Specify the event code for interface instruction. These codes are used internally by the system to track the current status of an interaction.
<b>Event Description</b>	Specify the event description for interface instruction.

**Example**

Interface Description	Even Code	Event Description
Payments	STS1-103	Ack of MT103
Payments	STS2-103	SWIFT ACK/NACK Status

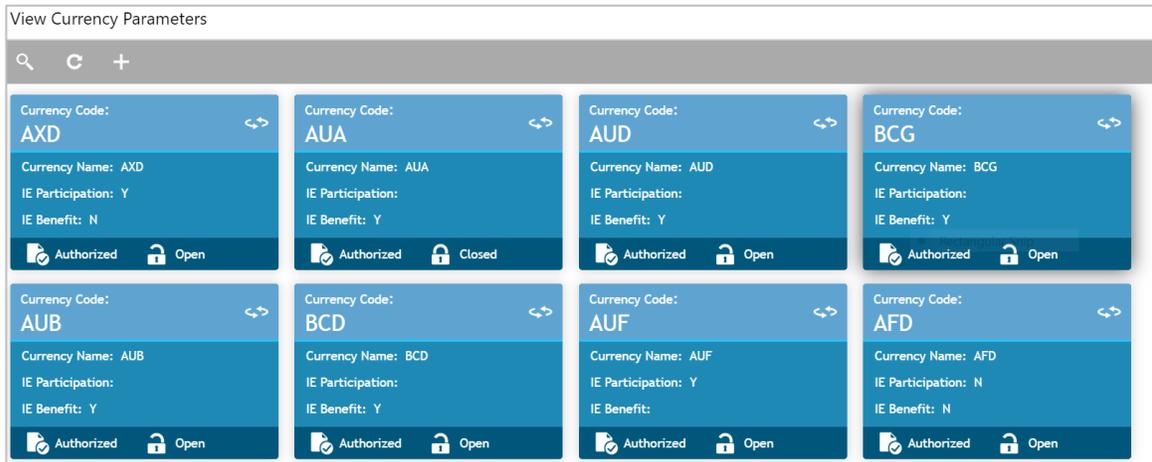
## 6.6 Maintaining Currency Definition

Currency setup allows to maintain and define the currencies supported by the bank.

To view Currency Parameters, go to

Oracle Banking Liquidity Management > Maintenance > Currency Parameters > View Currency Parameters.

**Figure 15: View Currency Parameters**



To create Currency Parameters, go to

Oracle Banking Liquidity Management > Maintenance > Currency Parameters > Create Currency Parameters.

**Figure 16: Currency Parameters**

Currency Parameters

New    Unlock    Close

Currency Code \*    Currency Name    IE Participation    IE Benefit

AUD    AUD       

Click **New** button to add a new currency. You are required to input the following details in this screen:

Table 13: Loan Offer Status Drill-Down – Field Description

Field	Description
<b>Currency Code</b>	Click the search icon and select the currency code of the currency. The details are fetched from common core maintenance
<b>Currency Name</b>	Specify the name of the currency.
<b>IE Participation</b>	Check this box to allow Interest Enhancement participation for this currency
<b>IE Benefit</b>	Check this box to allow Interest Enhancement benefit for this currency

Click **Save** to save the details.

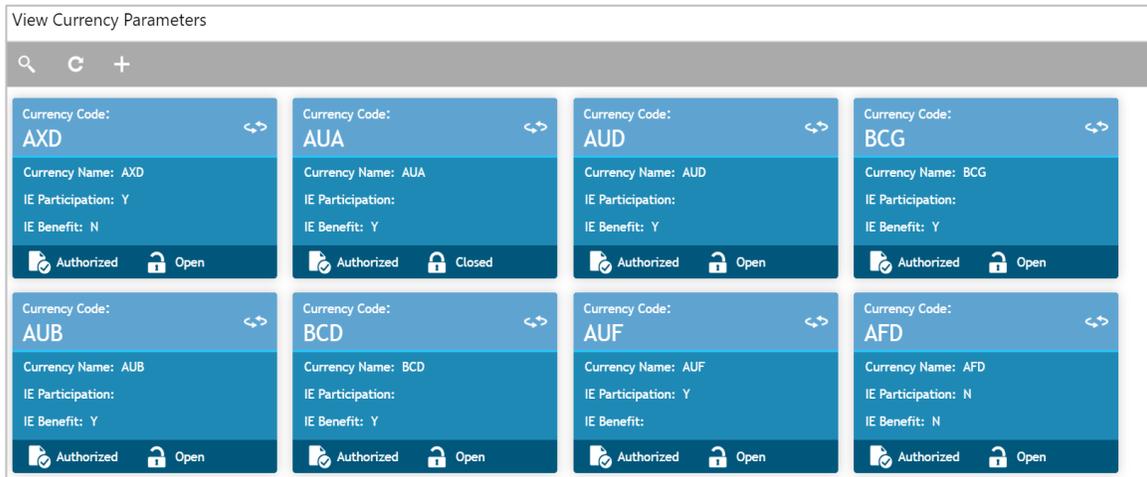
## 6.7 Maintaining Country Parameters

Country Parameters setup allows you to define country level liquidity management regulatory compliance.

To view Country parameters, go to

Oracle Banking Liquidity Management > Maintenance >Country Parameters > View Country parameters

**Figure 17: View Country Parameters**



To create Country parameters, go to

Oracle Banking Liquidity Management > Maintenance > Country Parameters > Create Country Parameters

**Figure 18: Country Parameters**

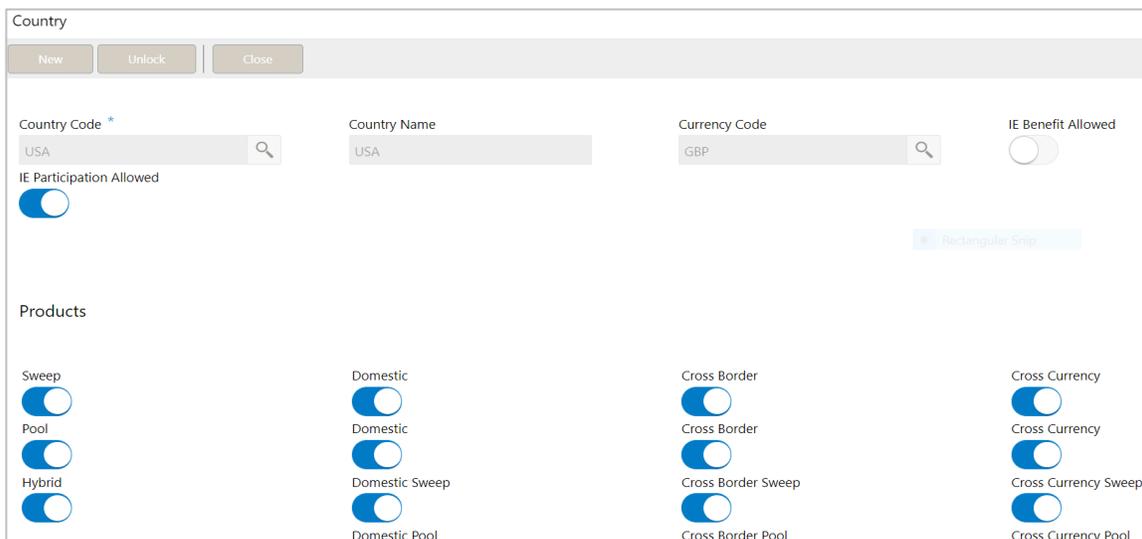


Table 14: Country Parameters – Field Description

Field	Description
<b>Country Code</b>	Click the search icon and select the country code of the country for which the compliance is to be set. You can select the relevant country code from the option list. The list displays all the country codes maintained in the system
<b>Country Name</b>	Specify the name of the country.
<b>Currency Code</b>	Click the search icon and select the base currency
<b>IE Participation</b>	Check this box to allow the accounts from this country in Interest Enhancement Structure.
<b>IE Benefit</b>	Check this box to allow the accounts from this country to get Interest Enhancement Benefit.
<b>Products</b>	Select the type of products allowed for the country The available options are: <ul style="list-style-type: none"> <li>• Sweep - Check this box to allow accounts from this country to participate in sweep structures.</li> <li>• Pool - Check this box to allow accounts from this country to participate in pool structures.</li> <li>• Hybrid - Check this box to allow accounts from this country to participate in Hybrid (Combination of Sweep and Pool) structures in the system.</li> </ul>
<b>Sweep</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box if the country allows Domestic accounts to participate in sweep structures.
<b>Cross Border</b>	Check this box if the country allows Cross Border accounts in sweep structures.

<b>Field</b>	<b>Description</b>
<b>Cross Currency</b>	Check this box if the country allows Cross Currency accounts in sweep structures.
<b>Pool</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic</b>	Check this box if the country allows Domestic accounts in pool structures.
<b>Cross Border</b>	Check this box if the country allows Cross Border accounts in pool structures.
<b>Cross Currency</b>	Check this if the country allows Cross Currency accounts in pool structures.
<b>Hybrid</b> Check this box to select domestic/cross border/cross currency in liquidity structures.	
<b>Domestic Sweep</b>	Check this if the country allows Domestic sweep accounts in hybrid structures.
<b>Cross Border Sweep</b>	Check this box if the country allows Cross Border sweep accounts in hybrid structures.
<b>Cross Currency Sweep</b>	Check this box if the country allows Cross Currency sweep accounts in hybrid structures.
<b>Domestic Pool</b>	Check this box if the country allows Domestic pool accounts in hybrid structures.
<b>Cross Border Pool</b>	Check this box if the country allows Cross Border pool accounts in hybrid structures.

Field	Description
<b>Cross Currency Pool</b>	Check this box if the country allows Cross Currency pool accounts in hybrid structures.
<b>Parameter</b>	<p>Specify additional parameters if any.</p> <p>Click '+' to add a row and specify the Parameter, Value of the same.</p> <p>Click '-' to remove a row.</p> <p>This is a place holder for any additional information capture.</p>

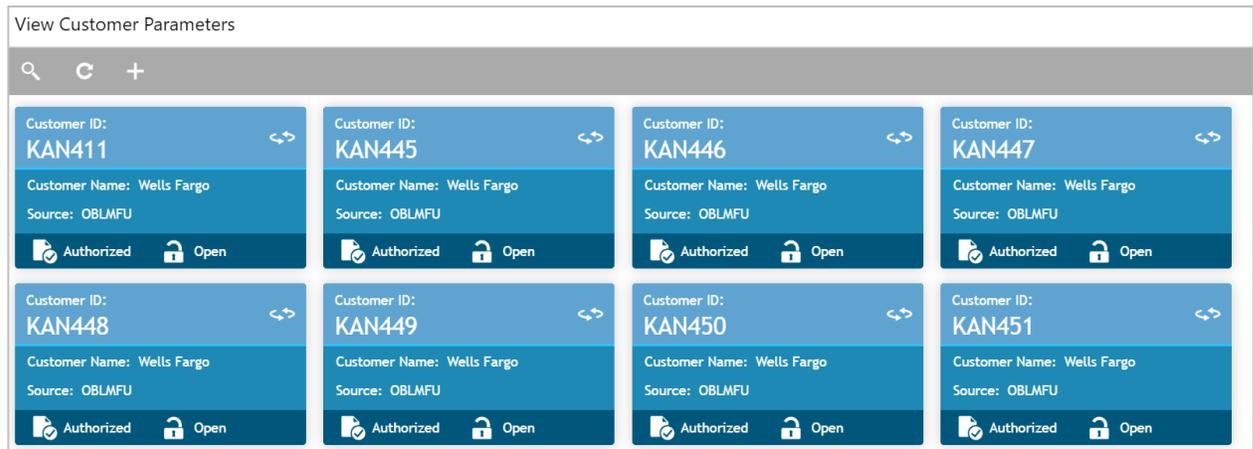
## 6.8 Maintaining Customer Setup

Customer setup allows you to define the customers.

To view Customer Parameters, go to

Oracle Banking Liquidity Management > Maintenance > Customer Parameters > View Customer Parameters

**Figure 19: View Customer Parameters**



To create Customer Parameters, go to

Oracle Banking Liquidity Management > Maintenance > Customer Parameters > Create Customer Parameters

**Figure 20: Customer Parameters**

The screenshot shows a web form titled "Create Customer Parameters". It contains the following fields and sections:

- Customer ID**: Searchable field with a magnifying glass icon.
- Customer Name**: Text field with "Not Selected" below it.
- Parent Customer Name**: Text field with "Not Selected" below it.
- Parent Customer ID**: Searchable field with a magnifying glass icon.
- Address**: Section header.
- Address Line 1**: Text field with "Not Selected" below it.
- Address Line 2**: Text field with "Not Selected" below it.
- Address Line 3**: Text field with "Not Selected" below it.
- Address Line 4**: Text field with "Not Selected" below it.
- Pricing Scheme**: Section header.
- Pricing Scheme**: Searchable field with a magnifying glass icon.
- Description**: Text field with "Not Selected" below it.
- Charge Account**: Section header.
- Real Account Number**: Searchable field with a magnifying glass icon.
- Real Account Branch**: Text field with "Not Selected" below it.
- Real Account Currency**: Text field with "Not Selected" below it.
- Real Account Name**: Text field with "Not Selected" below it.
- Charge Collection Branch**: Section header.
- Branch Code**: Searchable field with a magnifying glass icon.
- Description**: Text field with "Not Selected" below it.
- Source**: Text field with "OBLMUI" below it.

At the bottom right, there are "Save" and "Cancel" buttons.

Click on **New** button to add customer. You are required to input the following details in this screen:

**Table 15: Customer Parameters – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the customer ID (LOV details come from Common Core)
<b>Customer Name</b>	Name of the customer defaulted
<b>Parent Customer ID</b>	Click the search icon and select the parent customer of the new customer. You can select the parent customer ID from the option list. The list displays all the customer IDs maintained in the system
<b>Parent Customer Name</b>	Parent customer Name will be displayed based on the Parent Customer ID selection
<b>Address</b>	Address of the customer is defaulted

Field	Description
<b>Pricing Scheme</b>	
<b>Pricing Scheme</b>	Click <b>Search</b> to view and select the required pricing scheme.
<b>Description</b>	Displays the description of pricing scheme based on the selection.
<b>Charge Account</b>	
<b>Real Account Number</b>	Click <b>Search</b> to view and select the required real account number to collect the charges.
<b>Real Account Branch</b>	Displays the real account branch based on the Real Account Number selected.
<b>Real Account Currency</b>	Displays the real account currency based on the Real Account Number selected.
<b>Real Account Name</b>	Displays the real account name based on the Real Account Number selected.
<b>Charge Collection Branch</b>	
<b>Branch Code</b>	Click <b>Search</b> to view and select the required branch code.
<b>Description</b>	Displays the branch description based on the Branch Code selected.
<b>Source</b>	Source is defaulted from common core

Added Customer must be authorized by different user which has the authorization role assigned.

Click **Save** to save the details.

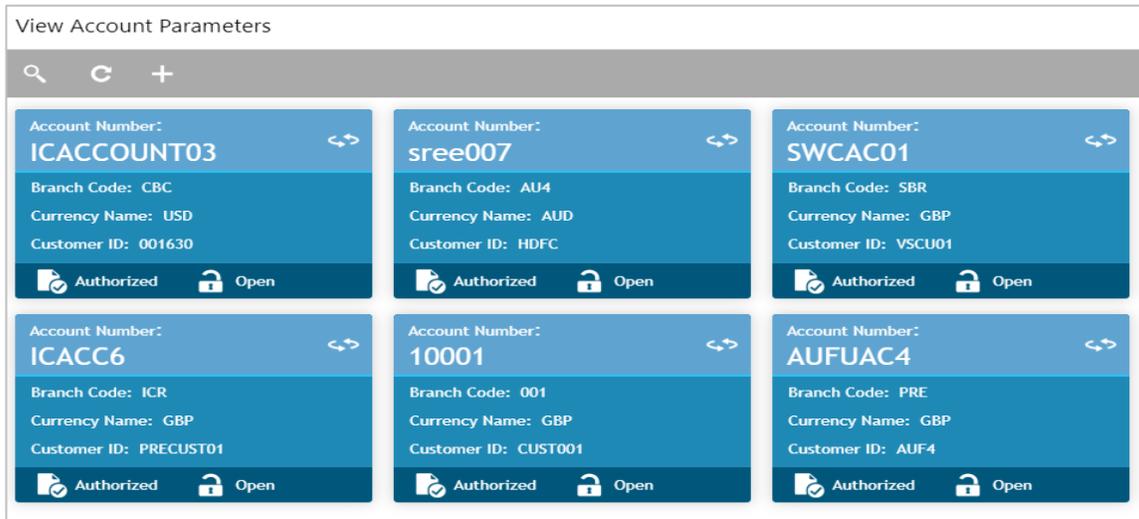
## 6.9 Maintaining Account Setup

Account maintenance allows you to define the participating accounts for a customer ID.

To view Account Parameters, go to

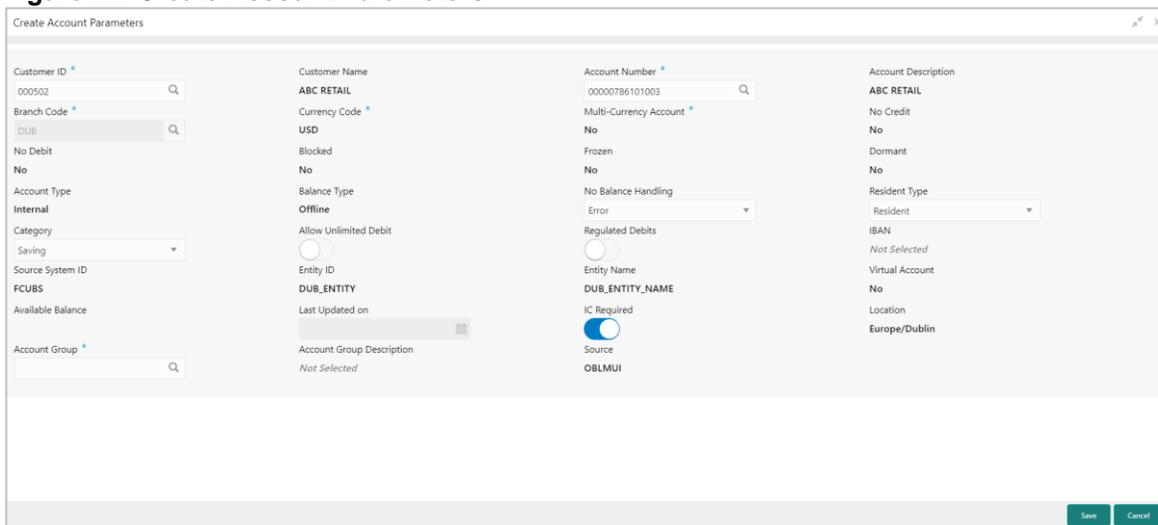
Oracle Banking Liquidity Management > Maintenance > Account Parameters > View Account Parameters.

**Figure 21: View Account Parameters**



To create Account Parameters, go to Oracle Banking Liquidity Management > Maintenance > Account Parameters > Create Account Parameters.

**Figure 22: Create Account Parameters**



Click on **New** button to add an account. You are required to input the following details in this screen:

Table 16: Account Parameters – Field Description

Field	Description
<b>Customer ID</b>	Click the search icon and select the customer ID. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system (Common Core)
<b>Customer Name</b>	The system displays the name of the customer.
<b>Account Number</b>	Click the search icon and select the account number of the customer. The list displays all the accounts of the selected customer maintained in the system (Common Core)
<b>Account Description</b>	The system displays description for the account.
<b>Branch Code</b>	Defaulted from common core
<b>Currency Code</b>	Defaulted from common core
<b>Multi-Currency Account</b>	Defaulted from common core, if the account class of the account is Multi Currency Account then this is populated as Y else its populated as N
<b>No Credit</b>	Status defaulted from common core (Whether Credit is allowed on the Account)
<b>No Debit</b>	Status defaulted from common core (Whether Debit is allowed on the Account)
<b>Blocked</b>	Status defaulted from common core (When Blocked both Debit and Credit not allowed)
<b>Frozen</b>	Status defaulted from common core (When Frozen both Debit and Credit not allowed)

Field	Description
<b>Dormant</b>	Status defaulted from common core (When Dormant Both Debit and Credit allowed)
<b>Account Type</b>	Is always defaulted to Internal, External Accounts are created from Third Party Maintenance
<b>Balance Type</b>	Defaulted from common core – Branch set up
<b>No Balance Handling</b>	<p>Indicate the options to be selected for failure of offline balance fetch (internal and external accounts)</p> <ul style="list-style-type: none"> <li>• Error (Default Value)</li> <li>• Use last available balance</li> <li>• Assume Zero Balance</li> </ul>
<b>Resident Type</b>	<p>Indicate the resident type of the account to be maintained. The available options are:</p> <ul style="list-style-type: none"> <li>• Resident</li> <li>• Non – Resident</li> </ul> <p>User needs to select one option.</p>
<b>Category</b>	<p>Indicate the category of the account. The available options are:</p> <ul style="list-style-type: none"> <li>• Saving</li> <li>• Current</li> <li>• TD</li> <li>• Nostro</li> </ul> <p>User needs to select one option</p>
<b>Allow Unlimited Debit</b>	Check this box to allow unlimited debit for the account while processing 2-way sweep transactions

<b>Field</b>	<b>Description</b>
<b>Regulated Debits</b>	Account can be marked as Yes or No for Regulated Debits
<b>IBAN</b>	IBAN is defaulted from the common core
<b>Source System ID</b>	Displays the source system ID.  This field is defaulted from the branch of the account.  It represents the DDA to which the account belongs to
<b>Entity ID</b>	Displays the Entity ID for the branch.  This field is left blank if there are no details provided in Branch parameters.
<b>Entity Name</b>	Displays the Entity Name for the branch.  This field is left blank if there are no details provided in Branch parameters.
<b>Virtual Account</b>	Defaulted from common core, if the account class of the account is Virtual Account then this is populated as Y else its populated as N
<b>Available Balance</b>	Displays the available balance of the account.
<b>Last Updated On</b>	The system displays the date of last update for the available balance
<b>IC Required</b>	Select this option to calculate Interest for the account in Liquidity Management System
<b>Location</b>	This field is defaulted from the location selected at the branch of the account
<b>Account Group</b>	This field is a mandatory.

<b>Field</b>	<b>Description</b>
	<p>if IC required is selected, this specifies the account group to which the account be is to be tagged.</p> <p>Account group are in turn tagged to IC account groups which in turn are tagged to IC product.</p> <p>By grouping accounts user avoids linkage of the same IC product to multiple accounts, instead of accounts a user can link the group and the IC product is applied on the accounts of that group.</p>
<b>Account Group Description</b>	Defaulted on selection of Account Group.
<b>Source</b>	Specifies the source of maintenance, if created from front end it will default to Oracle Banking Liquidity Management UI.

Added Account must be Authorized by different user which has the authorization role assigned.

## 6.10 Maintaining Default Payment Instruction

Default Payment Instruction allows you to maintain a matrix that will decide the default payment service for an account pair involved in a liquidity structure, based on parameters like DDA/Hosts involved, Entities involved, and the Type of Payment (Internal/Domestic/Cross-Border).

To view Default Payment Instruction, go to

Oracle Banking Liquidity Management > Maintenance > Default Payment Instruction > View Default Payment Instruction

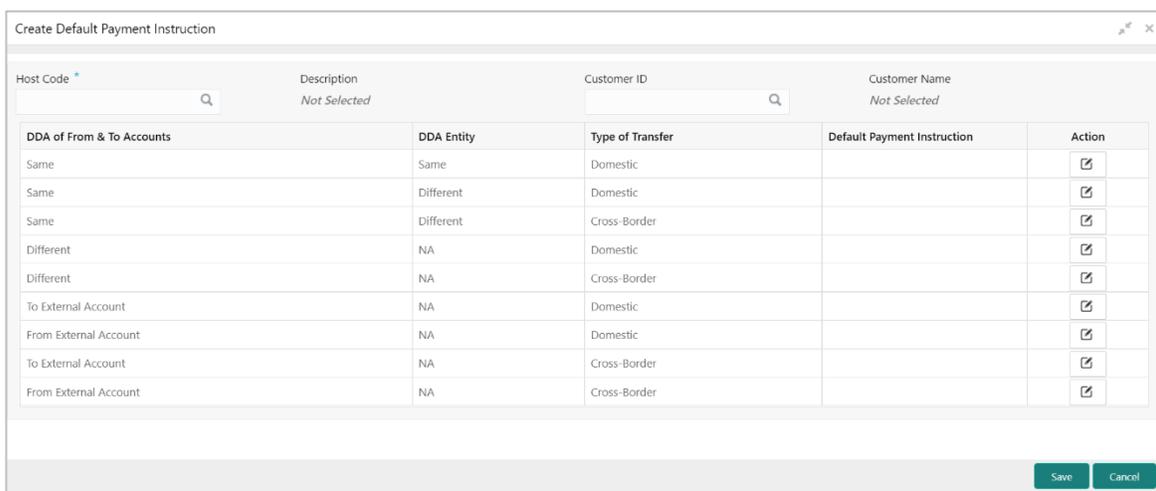
**Figure 23: View Default Payment Instruction**



To create Customer Parameters, go to

Oracle Banking Liquidity Management > Maintenance > Default Payment Instruction > Create Default Payment Instruction

**Figure 24: Create Default Payment Instruction**



Specify the following details:

**Table 17: Create Default Payment Definition – Field Description**

<b>Field</b>	<b>Description</b>
<b>Host Code</b>	Click the search icon and select the Host code
<b>Description</b>	Displays the description of the host code
<b>Customer ID</b>	Click the search icon and select the customer ID (LOV details come from Common Core)
<b>Customer Name</b>	Displays the customer name based on the Customer ID selection
<b>DDAs of From &amp; To Accounts</b>	<p>Displays the DDAs of From &amp; To Accounts.</p> <p>The values are</p> <ul style="list-style-type: none"> <li>• Same – To represent From &amp; To accounts being in same DDA</li> <li>• Different – To represent From &amp; To accounts being in different DDAs</li> <li>• To External Bank – To represent a sweep being done to an external bank</li> <li>• From External Bank – To represent a sweep being done from an external bank</li> </ul>

Field	Description
<b>DDA Entity</b>	<p>Displays the DDA Entity.</p> <p>The values are</p> <ul style="list-style-type: none"> <li>• Same – To represent From &amp; To accounts being in same entity</li> <li>• Different – To represent From &amp; To accounts being in different entities</li> <li>• NA – To represent “Not Applicable” when Entities are not there, or Entity is not a factor in deciding the Payment Instruction</li> </ul>
<b>Type of Transfer</b>	<p>Displays the type of transfer.</p> <p>The values are</p> <ul style="list-style-type: none"> <li>• Domestic – To represent a Domestic transfer</li> <li>• Cross-Border- To represent an Cross-Border transfer</li> </ul>
<b>Default Payment Instruction</b>	<p>Click the search icon and select the Payment Templates from the list.</p> <p>This field is enabled only if the Action button is selected.</p>
<b>Action</b>	<p>Click the Action button to enable the default payment instruction.</p>

Click **Save** to save the details.

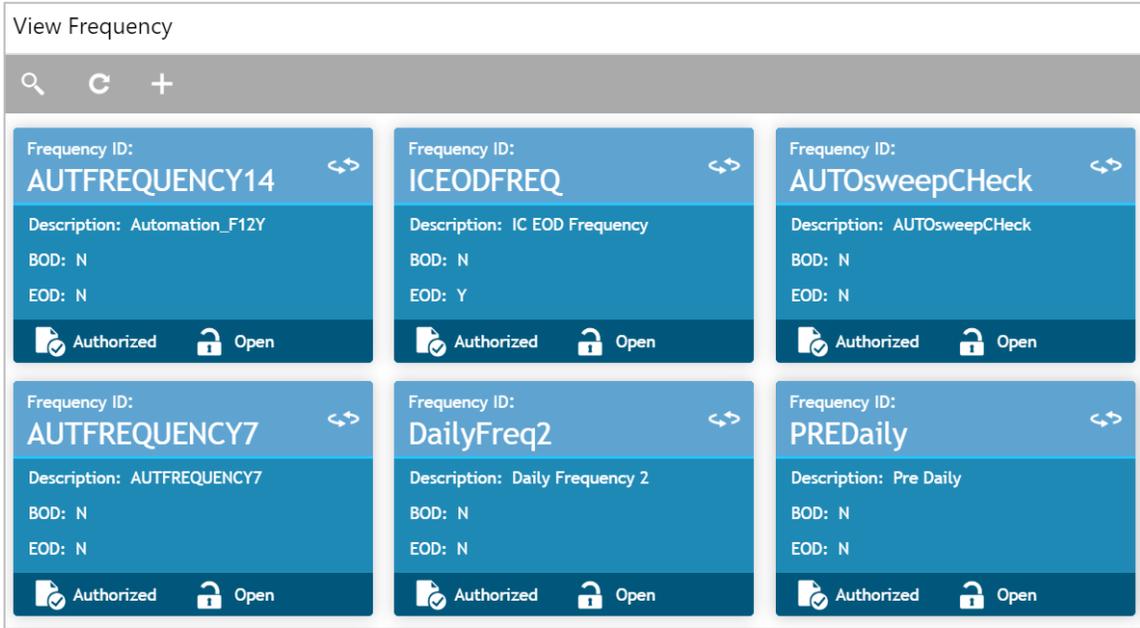
## 6.11 Maintaining Sweep Frequency Setup

Sweep Frequency setup allows you to define custom frequencies for sweeps.

To view Frequency, go to

Oracle Banking Liquidity Management > Maintenance > Frequency > View Frequency.

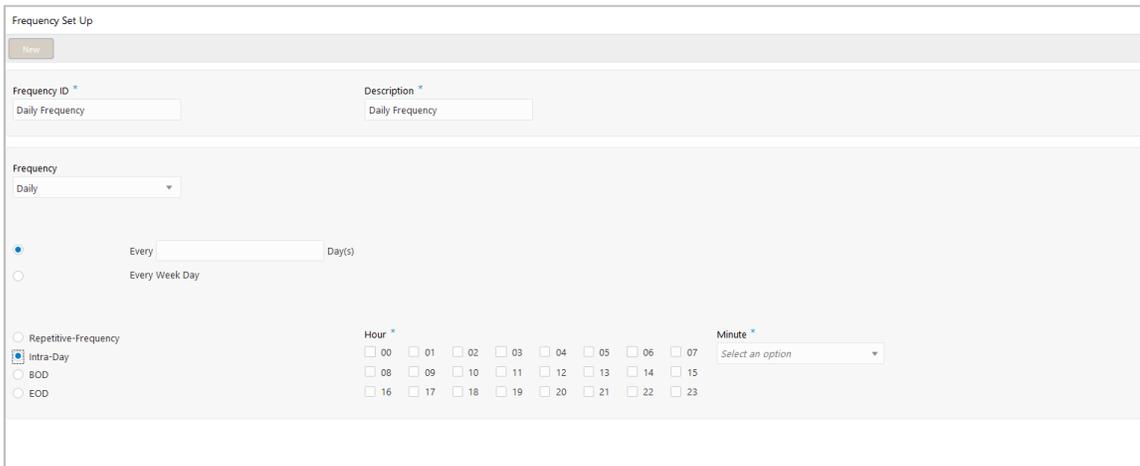
**Figure 25: View Frequency**



To create Frequency, go to

Oracle Banking Liquidity Management > Maintenance > Frequency > Create Frequency.

**Figure 26: Frequency Set Up**



Click on **New** button to add a new frequency. You are required to input the following details in this screen:

**Table 18: Frequency Set Up – Field Description**

<b>Field</b>	<b>Description</b>
<b>Frequency ID</b>	Specify a frequency ID.
<b>Frequency Description</b>	Specify a description for the new frequency.
<p><b>Maintaining Cron-based Frequency</b></p> <p>Specify the details for Cron-based frequency type to set a time-based frequency. You are required to input the following details in this screen:</p>	
<b>Frequency</b>	<p>Select the frequency in which the sweep is to be executed from the drop-down menu. The options are:</p> <ul style="list-style-type: none"> <li>• Daily</li> <li>• Weekly</li> <li>• Monthly</li> <li>• Yearly</li> <li>• Sweep Calendar</li> <li>• Fortnightly</li> </ul>
<b>Every Day(s)</b>	<p>Specify the number of days in which the sweep is to be executed.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Daily</b>.</p>
<b>Every Weekday</b>	<p>Select the option to execute sweep in every weekday.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Daily</b>.</p>

Field	Description
<b>Weekdays Toggle</b>	<p>Select the weekday toggle to execute the sweep in particular day of every week.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Weekly</b>.</p>
<b>Day of Every Month(s)</b>	<p>Select this option and specify the day in every specific 'n' month to execute the sweep.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Monthly</b>.</p>
<b>1st, 2nd, 3rd, or 4th Weekday of Every Month(s)</b>	<p>Select this option and specify the 1st, 2nd, 3<sup>rd</sup>, or 4th weekday for every specific 'n' month to execute the sweep.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Monthly</b>.</p>
<b>Every Month End</b>	<p>Select this option to execute the sweep in every month end.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Monthly</b>.</p>
<b>Day of Every Year</b>	<p>Select this option and specify the day and month in every year to execute the sweep.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Yearly</b>.</p>
<b>1st, 2nd, 3rd, or 4th Weekday of Month</b>	<p>Select this option and specify the 1st, 2nd, 3rd, or 4th weekday of the month to execute the sweep yearly.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Yearly</b>.</p>

Field	Description
<b>Sweep Calendar</b>	<p>Select the dates randomly in the calendar. Sweeps will get executed on the selected dates.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Sweep Calendar</b>.</p>
<b>Fortnight Weekdays Toggle</b>	<p>Select the weekday toggle to execute the sweep in particular day of every alternate weeks.</p> <p>This field appears only if the <b>Frequency</b> is selected as <b>Fortnightly</b>.</p>
<p><b>Frequency Execution Time</b></p> <p>Select the frequency execution time to execute the sweep.</p> <p>The available options are</p> <ul style="list-style-type: none"> <li>• Repetitive-Frequency</li> <li>• Intra-Day</li> <li>• BOD</li> <li>• EOD</li> </ul>	
<b>Repetitive-Frequency</b>	<p>Specify the following fields for the Frequency execution time.</p> <ul style="list-style-type: none"> <li>• Frequency Start Hour</li> <li>• Frequency End Hour</li> <li>• Frequency in Minutes</li> </ul> <p>This field appears only if the <b>Frequency</b> is selected as <b>Daily, Weekly, Monthly &amp; Yearly</b>.</p>
<b>Intra-Day</b>	<p>Select the following fields for the Frequency execution time.</p> <ul style="list-style-type: none"> <li>• Hour</li> <li>• Minute</li> </ul>

Field	Description
<b>BOD</b>	Select this option to execute the sweep on the beginning of the day.  EOC batch will take care of the execution
<b>EOD</b>	Select this option to execute the sweep on the end of the day.  EOC batch will take care of the execution

Click **Save** to save the details.

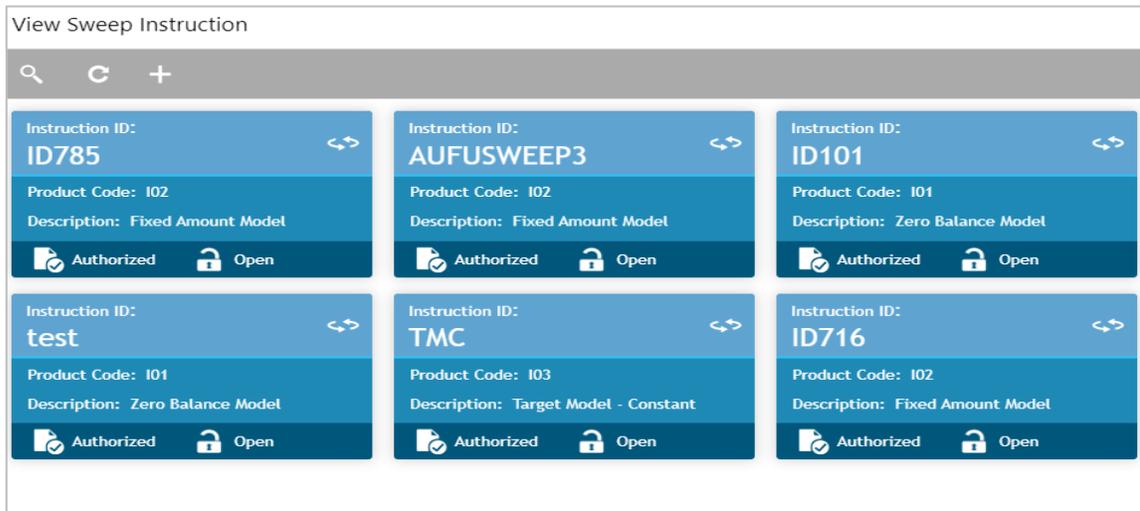
## 6.12 Maintaining Sweep Instruction Setup

Sweep Instruction setup allows you to maintain the different sweep instructions in the system.

To view Sweep Instruction, go to

Oracle Banking Liquidity Management > Maintenance > Sweep Instruction > View Sweep Instruction

**Figure 27: View Sweep Instruction**



To create Sweep Instruction, go to

Oracle Banking Liquidity Management > Maintenance > Sweep Instruction > Create Sweep Instruction

**Figure 28: Sweep**

Name	Value	Mandatory
Maximum		<input type="checkbox"/>
MaximumDeficit		<input type="checkbox"/>
Minimum		<input type="checkbox"/>
MinimumDeficit		<input type="checkbox"/>
Multiple		<input type="checkbox"/>

Click **New** button to add a new sweep instruction. You are required to input the following details in this screen:

**Table 19: Sweep – Field Description**

Field	Description
<b>Instruction ID</b>	Specify the instruction ID for the Instruction, this is a user input
<b>Product Code</b>	Click the search icon and select the product code from the LOV, you can select the product code from the option list. The list displays all the factory shipped sweep concentration methods
<b>Description</b>	The system displays the description of product.

Field	Description
<b>Parameter</b>	<p>The system displays the list of parameters associated with the selected product ID and their values can be input by the user.</p> <p>The parameters change as per the selected product code, the parameters available for ZBA sweep are</p> <ul style="list-style-type: none"><li>• Maximum</li><li>• Maximum Deficit</li><li>• Minimum</li><li>• Minimum Deficit</li><li>• Multiple</li></ul> <p>The parameters have already been explained as part of Section 3. Cash Concentration Methods.</p>

Click **Save** to save the details.

### 6.13 Maintaining Currency Cut off Setup

System allows to maintain the incoming and outgoing cutoff times for a combination of BIC, Currency, Message

This cutoff is to be referred to when maintaining the sweep frequencies in the MBCC structures.

**Figure 29: MBCC Currency Cutoff**

The screenshot shows the 'MBCC Currency Cutoff' configuration page. At the top, there are buttons for 'New', 'Unlock', and 'Delete'. Below these is a search field for 'BIC Code' containing 'AUTBIC15'. A 'Rectangular Strip' button is visible on the right. The main section is titled 'Cut Off Paramaters' and contains a table with the following data:

<input type="checkbox"/>	Currency Code	Message Type	Input CutOff Hour	Input CutOff Min	Output CutOff Hour	Output CutOff Min
<input type="checkbox"/>	GBP	MT940	14	6	3	4

At the bottom of the table, it shows 'Page 1 of 1 (1 of 1 items)' and navigation icons.

**Table 20: MBCC Currency Cutoff – Field Description**

Field	Description
<b>BIC Code</b>	Click the search icon and select the BIC Code of the branch for which currency cutoffs are to be maintained
<b>Currency Code</b>	Specify the currency for which the cut off time is to be set. You can select the currency from the option list. The list displays all the currencies maintained in the system

<b>Field</b>	<b>Description</b>
<b>Message Type</b>	Specify the message type to be associated with the currency. You can select the message type from the option list. The list displays all the message type maintained in the system
<b>Incoming Cutoff Hour</b>	Specify the incoming cut off hour.
<b>Incoming Cutoff Min</b>	Specify the incoming cut off minute.
<b>Outgoing Cutoff Hour</b>	Specify the outgoing cut off hour.
<b>Outgoing Cutoff Min</b>	Specify the outgoing cut off minute.

## 6.14 Interest Maintenances

To calculate Interest in the system user needs to maintain the following Interest parameters.

- Interest Rule Maintenance
- Product Maintenance (Interest)
- IC Group Input
- IC Group Product Mapping Input
- Branch Parameter (Interest)
- UDE Value Input
- IC Accounting Entry Maintenance
- Charge Product Preferences
- Customer Interest Role to Head Mapping
- IC Rate Code Maintenance
- Rate Input Maintenance
- Period Code Maintenance
- Product UDE Limits

Refer to **Oracle Banking Liquidity Management Interest and Charges User Guide** for detailed explanation.

## 6.15 File Upload

File upload functionality allows the user to bulk upload the files to perform all the parameter setups. This function is now available under **File Management** Menu.

Oracle Banking Liquidity Management supports the following file upload:

- Account Setup File Upload
- Bank Setup File Upload
- Branch Setup File Upload
- Country Definition File Upload
- Currency CutOff File Upload
- Currency Definition File Upload
- Customer Setup File Upload
- Interface Setup File Upload
- Sweep Instruction File Upload
- VD Balance File Upload

Refer to **Oracle Banking Microservices Platform Foundation User Guide** for the detailed explanation on the File upload functionality.

Refer to **Oracle Banking Liquidity Management File Upload User Guide** for the file upload templates.

## 6.16 Maintaining Account Group

System allows user to maintain Account Group. A group of accounts can be linked to an Account Group. While creating an account user can link the account to an Account Group. The account group is in turn linked to an IC group which in turn is linked to an IC product. The account group is provided for user ease of operation.

In the absence of account group user had to link each account to an IC product which is time consuming, with the application of account group user can link a group of accounts to an IC product and the IC product will be applied to all the accounts in the group

To access Account Group screen, follow the below path

Oracle Banking Liquidity Management > Maintenance > Account Group

**Figure 30: Interest Account Group**

**Table 21: Interest Account Group – Field Description**

Field	Description
<b>Group Code</b>	Specify the Group Code to be maintained. The group codes are a five-character field.
<b>Group Description</b>	Specify the description for the group code.

## 6.17 Maintaining User Linkage

System allows user to maintain Customer and User Linkage. A user can be linked to a customer or group of customers or all the customers available in the system. The Customer and User Linkage is provided for administrative and privacy purposes. A user can view only the linked customer data across the system, the user will not be able to view any data of the customers who are not linked to the user. In the absence of such a linkage any user can view any customer data which can lead to privacy and administrative issues.

To access user Linkage screen, follow the below path

Oracle Banking Liquidity Management > Maintenance > User Linkage

**Figure 31: Blanket User Customer Linkage**

The screenshot shows the 'Create UserLinkage' form. At the top, there are three input fields: 'User ID' with a search icon, 'Username', and a 'Link All Customers' toggle switch. Below these is a 'Customers' section with a table. The table has columns for 'Customer ID', 'Customer Name', and 'Action'. The 'Action' column contains icons for edit and delete. A green '+' button is in the top right of the table area. At the bottom right, there are 'Save' and 'Cancel' buttons. The page indicator shows 'Page 1 of 1 (1 of 1 items)'.

**Figure 32: Specific User Customer Linkage**

The screenshot shows the 'Create UserLinkage' form with specific data. The 'User ID' field contains 'OBLM01' and the 'Username' field also contains 'OBLM01'. The 'Link All Customers' toggle switch is turned off. In the 'Customers' section, there are '+' and '-' buttons. The table has columns for 'Customer ID' and 'Customer Name'. The 'Customer ID' field has a search icon. At the bottom right, there are 'Save' and 'Cancel' buttons.

**Table 22: Create User Linkage – Field Description**

<b>Field</b>	<b>Description</b>
<b>User ID</b>	Click the search icon and select the User ID for which the linkage needs to be done. The field is an LOV which fetches all the users maintained in the system.
<b>User Name</b>	The User name gets populated on selection of the User ID.
<b>Link All Customers</b>	<p>Select this option if the User needs to be linked to all the customers available in the system.</p> <p>If user selects Link All Customers option, then customers created in future will also get automatically linked to the user</p> <p>If the requirement is to restrict the user linkage only to a specific customer or a group of customers do not select this option</p>
<b>Customers</b>	Select this option if the User needs to be linked to a specific customer or specific group of customers but not all the customers in the system.

Click the '+' button to enable the Customer ID LOV and select the customer the be linked to the user, on selection of the customer the customer name will get automatically populated. The process needs to be repeated to link the next customer.

## 7 Structure Maintenance

### 7.1 Introduction

Structures are created within a framework to allow sweeps/ notional pooling. Structure maintenance allows you to do the following:

- Create Structures
- Add accounts to it.
- Assign instruction to pair of accounts
- Assign frequencies to marked instructions

System allows you to add as many accounts and as many hierarchies as required. It also enables hybrid structures, where both pool and sweep can be configured. Hybrid structures are basically pool over sweep structures.

### 7.2 Creating Structure

#### 7.2.1 Creating a New Structure

You can invoke the 'Structure Maintenance' page by accessing the following path

Oracle Banking Liquidity Management System > Structure > Account Structure

The structure creation is a three-stage process consisting of

- **Structure Details:** Structure level parameters are provided here
- **Link Accounts:** Account Linkages are maintained at this stage
- **Structure Summary:** This Screen provides the summary of the structure created

## 7.2.2 Structure Details

Figure 33: Structure Details

Click **New** button to add a new structure. Specify the following details:

Table 23: Structure Details – Field Description

Field	Description
<b>Customer ID</b>	Click the search icon and select the customer. You can select the customer ID from the option list. The list displays all the customer IDs maintained in the system
<b>Customer Name</b>	The system displays the description of the customer selected.
<b>Structure ID</b>	The system displays the auto generated unique structure ID.
<b>Structure Description</b>	Specify a description for the new structure.

Field	Description
<b>Structure Type</b>	<p>Specify the Structure Type from the drop-down list.</p> <p>The available options are:</p> <ul style="list-style-type: none"> <li>• Sweep</li> <li>• Pool</li> <li>• Hybrid</li> </ul>
<b>Interest Method</b>	<p>Specify the Interest method for the structure from the drop-down list. The available options are:</p> <ul style="list-style-type: none"> <li>• Interest</li> <li>• Advantage</li> <li>• Ratio</li> </ul> <p>This data needs to be captured only for Pooling Structures.</p> <p>For Sweep Structures, it will be automatically populated to Interest Method.</p>
<b>Investment Sweeps</b>	<p>Specify the Interest method for the structure from the drop-down list. The available options are:</p> <ul style="list-style-type: none"> <li>• Term Deposit</li> <li>• Money Market</li> </ul> <p>This data input for this field will be available only for sweep structures</p>

Field	Description
<b>FX Rate Pickup</b>	<p>Specify the FX Rate Pickup for the structure from the drop-down list. The available options are:</p> <ul style="list-style-type: none"> <li>• Online</li> <li>• Offline</li> </ul> <p>Default Value would be “Offline” where in rate available in the system will be used for cross currency calculations.</p> <p>In case of “online” system needs to integrate with an external system to fetch the rates in an online mode.</p>
<b>Effective Date</b>	<p>Specify the date from when the structure becomes effective. This date cannot be less than the system date but can be a future date.</p>
<b>End Date</b>	<p>Specify the date till when the structure is effective. This date should always be greater than the effective date.</p>
<b>Instruction ID</b>	<p>Specify the instruction type to be applied to the structure. You can select the instruction type from the option list. The list displays all the instruction types maintained in the system.</p> <p>If the Instruction ID is applied at the structure level, then all the pairs of the structure will be processed with the same Instruction ID</p> <p>This parameter is applicable only for sweep type of structure</p>

Field	Description
<b>Default Frequency</b>	<p>Specify the default frequency at which the structure should be executed. You can select the frequency from the option list. The list displays all the frequencies maintained in the system.</p> <p>The frequency defined at the structure level will be applied to all the account pairs in the structure, but you can override and define a specific frequency for a specific pair of account.</p> <p>This changed preference will override the global preference.</p>
<b>Reverse Frequency</b>	<p>Specify the reverse frequency at which the reverse sweep for structure should be executed. You can select the frequency from the option list. The list displays all the frequencies maintained in the system.</p> <p>The frequency defined at the structure level will get defaulted to all the account pairs in the structure, but you can override and define a specific frequency for a specific pair of account.</p> <p>This changed preference will override the global preference.</p> <p>This parameter is applicable only for sweep type of structure</p>
<b>Reallocation Method</b>	<p>Specify the reallocation method for the structure from the drop-down list. This refers to the method in which the interest is shared with the participating account entities.</p> <p>The available options are:</p> <p><b>Sweep Structure:</b></p> <ul style="list-style-type: none"> <li>• No Reallocation - No interest is paid back to the child accounts</li> </ul>

Field	Description
	<p><b>Pool Structure:</b></p> <ul style="list-style-type: none"> <li>• Central Distribution - Here the interest arrived at is credited to one central account, which can be any one of the participating accounts or a separate account.</li> <li>• Even Distribution - Here the interest is evenly distributed among the participating accounts.</li> <li>• Even Direct Distribution - Here Interest reward is evenly spread across all accounts with positive balances</li> <li>• Percentage Based Distribution - Here pre-defined percentage of the interest is distributed among the participating accounts. (This will applicable only at pair level)</li> <li>• Fair Share Distribution - Here if the interest is positive, it is distributed among the positive contributors in the ratio of their contribution and if the interest is negative, it is distributed among the negative contributors in the ratio of their contribution.</li> <li>• Reverse Fair Share Distribution - Here if the interest is positive, it is distributed among the negative contributors in the ratio of their contribution and if the interest is negative, it is distributed among the positive contributors in the ratio of their contribution.</li> <li>• Absolute Pro-Data Distribution - Here absolute balances of all accounts are considered and the interest would be shared proportionally to all accounts.</li> </ul>
<b>Central Account Number</b>	<p>Specify the Central Account to be applied to the structure. You can select the Central account from the option list. The list displays all the accounts maintained in the system.</p> <p>This option will be available only for Central type of Pool Reallocation method where in the interest reallocation for the structure will be done to this account</p>

Field	Description
<b>Central Account Branch</b>	Displays the Central Account Branch
<b>Central Account Currency</b>	Displays the Central Account Currency
<b>Sweep on Currency Holidays</b>	Check this field to allow sweep on currency holidays.
<b>Consider Post Sweep balance</b>	<p>This flag governs the sweep balance to be considered on the accounts</p> <p>When Sweep is performed from II level onwards, if Original Account Balance + Swept Amount is to be considered for further sweep processing this flag needs to be checked</p> <p>If this flag is not checked Sweep are performed on the account participating in the structure based on the original fetched balances and not consider the incremental balances post sweep</p>
<b>Currency Holiday Rate</b>	<p>Specify the rate pick up for the sweeps on currency holidays from the drop-down list. The option is:</p> <ul style="list-style-type: none"> <li>• Previous Days Rate</li> </ul> <p><b>NOTE:</b></p> <p>This field is active only if '<b>Allow Sweep on Currency Holidays</b>' is selected.</p>
<b>Rate Type</b>	<p>Specify the rate type to be used in case the underlying structure has cross currency pairs.</p> <p>The only option is Standard rate.</p>
<b>Holiday Treatment</b>	<p>Specify the action to be taken on the structure in case of a holiday from the drop-down list. The options are:</p> <ul style="list-style-type: none"> <li>• Next Working Date - Perform the action on the next working day.</li> </ul>

Field	Description
	<ul style="list-style-type: none"> <li>• Previous working Date - Perform the action on the previous working day</li> <li>• Holiday – Do not perform the sweep and mark it as holiday</li> </ul>
<b>Max Backward Days</b>	<p>Specify the maximum number of days the system can go back to execute the structure when the execution day falls on a holiday.</p> <p><b>NOTE:</b> This field will be enabled only if 'Holiday Treatment' is selected as 'Previous Working Date'.</p>
<b>Backward Treatment</b>	<p>When the 'Holiday Treatment' is selected as 'Previous Working Day' and the 'Max Backward Days' set is also falling on a holiday, then the system decides on the day of execution of the action based on the Backward Treatment.</p> <p>Select the backward treatment to be applied from the drop-down list. The options are:</p> <ul style="list-style-type: none"> <li>• Move Forward - The action is performed on the next working day</li> <li>• Holiday - Do not perform the sweep</li> </ul> <p>This field is enabled only if '<b>Holiday Treatment</b>' is selected as 'Previous Working Date'.</p>
<b>Structure Priority</b>	<p>When an account is participating in more than one structure, the structures are given priority of execution, the structure with least priority gets executed first followed the next structures.</p>
<b>Status</b>	<p>This field displays the current status of the structure and is populated by the system.</p> <p>Structure can have the following status</p> <ul style="list-style-type: none"> <li>• Active: Structure is complete and is in Active status</li> </ul>

Field	Description
	<ul style="list-style-type: none"> <li>• Paused: Structure had been put on temporary hold</li> <li>• Incomplete: Structure is still being created</li> <li>• Expired: Structure is expired</li> <li>• In-Active: Structure is not Active and is in operational at a future date</li> </ul>
<b>Pause Start Date</b>	<p>When a date is selected on this field, the structure gets paused from that date.</p> <p>This can be a future date but cannot be a date less than the system date.</p>
<b>Pause End Date</b>	<p>User can select the end date of the temporary structure pause form this field.</p>
<b>Cross Currency</b>	<p>This field will get automatically selected on save if the underlying structure is created with accounts which are in different currencies.</p>
<b>Cross Border</b>	<p>This field will get automatically selected on save if the underlying structure is created with accounts which are from two or more different countries.</p>
<b>Multi Bank Cash Concentration</b>	<p>This field will get automatically selected on save if the underlying structure created has external bank accounts</p>
<b>Version Number</b>	<p>Displays the version number of the structure</p>
<b>Charge Account</b>	
<b>Account Number</b>	<p>Click <b>Search</b> to view and select the required account number to collect the charges. The charge account number will be the accounts belonging to the parent customer and linked child customers.</p>

Field	Description
<b>Account Name</b>	Displays the account name based on the account number selected.
<b>Account Branch</b>	Displays the account branch based on the account number selected.
<b>Account Currency</b>	Displays the account currency based on the account number selected.

Parameters like Frequency, Reverse Frequency and Instruction type which are defined at the structure level will be applicable at each account pair level in the structure however user can change these parameters at the account pair level. If the user changes them at the account pair level the system will ignore the structure level set up and go by the pair level settings

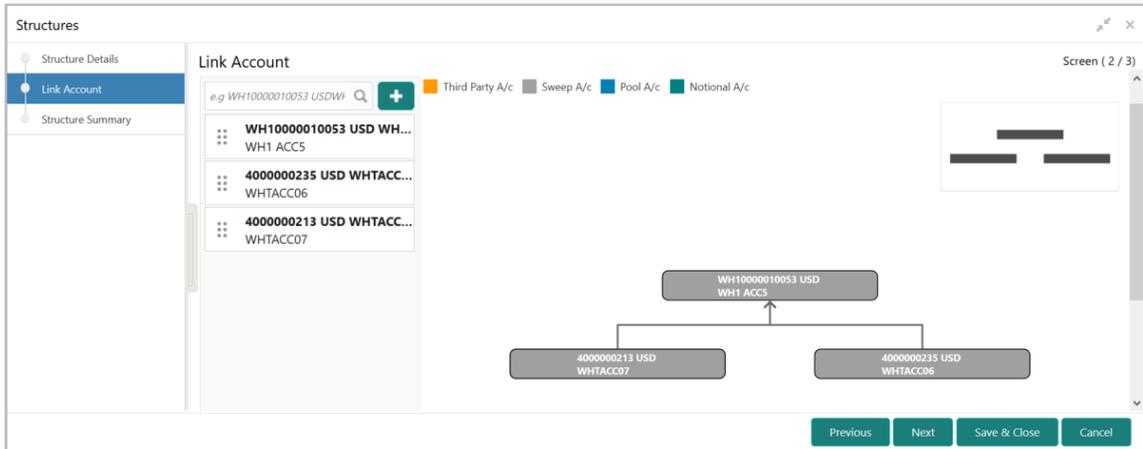
Once the structure level parameters are completed, click next to go to the second stage where in accounts are grouped into structure.

### 7.2.3 Link Account

The next step in structure creation is logically group the accounts to form a structure

Accounts are fetched to create a structure. Click 'Search' button to select the accounts which need to be paired in the structure

**Figure 34: Link Account - Search**



The screen also provides filter criteria for account selection, user can use these filters to narrow down the account search.

**Table 24: Link Account – Field Description**

Field	Description
<b>Account Number</b>	<p>The LOV displays the account numbers for the customer selected for the structure.</p> <p>If customer hierarchy maintained at the customer level and parent customer is selected of structure creation, then the all the accounts of parent and child customer will be displayed for selection.</p>
<b>Branch Code</b>	<p>The LOV displays the branch code, user can select the branch code from which accounts can be picked up.</p>

Field	Description
<b>Account Currency</b>	The LOV displays the currencies, user can select the currency of the account, the accounts displayed for selection will be only form the selected currency if this option is selected.
<b>BIC Code</b>	The LOV displays BIC Codes, user can select the BIC Code as the account selection criteria.
<b>Account Type</b>	This is dropdown field with the options External Accounts and Inter Accounts, user can select the required option as the account selection criteria
<b>Notional</b>	This is dropdown field with the options Yes and No, user can select the required option as the account selection criteria
<b>Regulated Debits</b>	This is dropdown field with the options Yes and No, user can select the required option as the account selection criteria

Once the filters are in place, user can click on the search button to fetch the accounts and select the required accounts for structure creation

### **Maintaining a Structure**

After fetching accounts for a structure, you can start creating the structure. You can drag and drop accounts into the drawing plane to make the structure.

While selecting accounts from the Search LOV, system will show list of accounts that can be added. In case the added account is marked Regulated Debits as Y, system will throw an over-ridable alert message

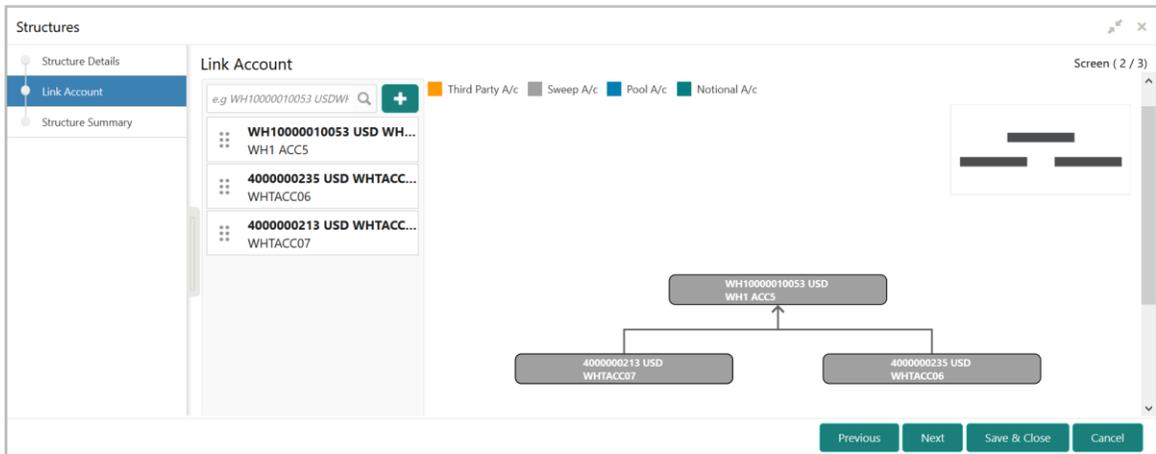
**Figure 35: Link Account Dialog**

Account Number	Account Description	Branch Code	Entity ID	Entity Name	Currency	Account Type	BIC Code	Regulated Debits
<input type="checkbox"/>	OBVAM_SYSACC_2478	OBVAM_SYSACC_2478 Notional Account	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	External	N
<input type="checkbox"/>	OBVAM_SYSACC_10161	OBVAM_SYSACC_10161 Notional Account	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	External	N
<input type="checkbox"/>	OBVAM_SYSACC_4518	OBVAM_SYSACC_4518 Notional Account	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	External	N
<input type="checkbox"/>	CLP03	CLP03	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	Internal	N
<input type="checkbox"/>	NOTIONALACC1	NOTIONALACC1	SKP	SKP_ENTITY	SKP_ENTITY_NAME	GBP	External	N
<input type="checkbox"/>	ACC020	TestAccount10	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	Internal	N
<input type="checkbox"/>	VA1000	Virtual Account	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	Internal	N
<input type="checkbox"/>	SA10001	Child Acc1	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	Internal	N
<input type="checkbox"/>	SA10002	Child Acc2	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	Internal	N
<input type="checkbox"/>	NA1000		SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	External	N
<input type="checkbox"/>	TEST90	TEST90	TPB	TPB_ENTITY	TPB_ENTITY_NAME	GBP	External	N
<input type="checkbox"/>	OBDX_SYSACC_3551	OBDX_SYSACC_3551 Notional Account	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	External	N
<input type="checkbox"/>	OBVAM_SYSACC_6711	OBVAM_SYSACC_6711 Notional Account	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	External	N
<input type="checkbox"/>	OBVAM_SYSACC_1461	OBVAM_SYSACC_1461 Notional Account	SRI	SRI_ENTITY	SRI_ENTITY_NAME	GBP	External	N

**Figure 36: Link Account – Alert Message**



**Figure 37: Link Account – View**



The Account list on the left pane will show Account Number, Account Description and Currency details.

Mouse hover on the account list and click info icon on the left pane as well as Mouse hover on the accounts in tree hierarchy.

→ The **Account Details** tooltip appears.

**Figure 38: Account Details tooltip**

Account Number:	MBCCPARENT
Description:	MBCCPARENT
Account Currency:	GBP
Bank Name:	Futura Bank
Bank Code:	0020
Branch Code:	SKP
IBAN:	
Entity ID:	SKP_ENTITY_ID
Location:	Central

**Table 25: Account Details tooltip – Field Description**

Field	Description
<b>Account Number</b>	Displays the account number.
<b>Description</b>	Displays the description of the account.
<b>Account Currency</b>	Displays the currency of the account.
<b>Bank Name</b>	Displays the bank name of the account.  This field appears only for External Accounts.
<b>Bank Code</b>	Displays the bank code of the account.
<b>Branch Code</b>	Displays the branch code of the account.
<b>IBAN</b>	Displays the IBAN number of the account.

Field	Description
<b>Entity ID</b>	Displays the Entity ID of the account.  This field appears only on the left pane.
<b>Location</b>	Displays the location of the account.

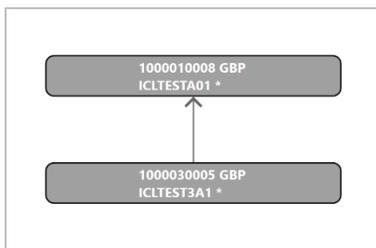
Mouse hover on the account list and click Delete icon on the left pane to remove the account from the structure. Only the newly added account can be deleted.

Similarly, when accounts are dragged and structure is created, the same details, i.e. Account number, Account description and currency will be displayed in the account capsule

In case account description is long, the graph will show three dots at the end of the description. User can see the complete description by doing mouse hover on the account

If an account that is now getting added to the structure is a participant of another structures, in such a scenario when the account is dragged and dropped on the tree hierarchy, the account will be displayed with an asterisk (\*) mark on the right upper side of the account (Refer screenshot below)

This will be an indicator to the User that the said account is already a participant in another sweep structure



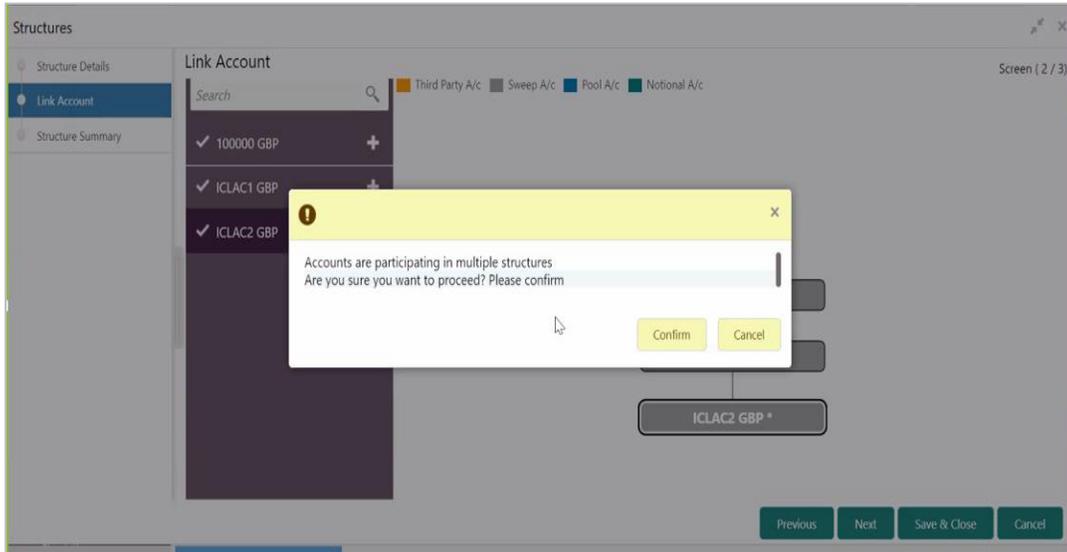
An alert message will be displayed to the user while migrating from link screen to the summary screen – Click “**Next**” button

#### Alert Message

“Accounts are participating in multiple structures

Are you sure you want to proceed? Please confirm”

On the Alert message, User will have option to **Confirm** or **Cancel** the same.

**Figure 39: Alert Message**

Once the desired structure is in place, the next step is to maintain the pair level parameters.

Right click on the account and click Edit button to fetch the following screen where in all the pair level parameters can be maintained

### Account Details

On clicking the Account details, all the following account information is available for view.

**Figure 40: Account Details**

<b>Account Details</b>	Account Number	Bank Code	Branch Code	IBAN
<b>Parent Account Details</b>	HEL0046400078	0020	HEL	GB26NWBK601613HEL0046400078
<b>Instruction Details</b>	Entity ID	Entity Name	Currency Code	Available Balance
<b>Reverse Sweep Details</b>	HEL_ENTITY	HEL_ENTITY_NAME	GBP	GBP1,000,000.00
<b>Payment Instructions</b>	Country Code	Account Type	Customer Name	Location
<b>Reallocation</b>	AUS	Internal	XXX XXXXXX	Sydney
<b>ICL Details</b>	Account Category	Sweep Priority *	Sweep Direction *	Hold
<b>Structure Priority</b>	Sweep	1	Two Way	<input checked="" type="checkbox"/>
	Hold Start Date *	Hold End Date *		
	Aug 2, 2021	Aug 3, 2021		

**Table 26: Account Details – Field Description**

Field	Description
<b>Account Number</b>	The account number of the selected account.
<b>Bank Code</b>	The bank code of the account
<b>Branch Code</b>	The branch code of the account
<b>IBAN</b>	The IBAN number of the account
<b>Entity ID</b>	The Entity ID of the account
<b>Entity Name</b>	The Entity Name of the account
<b>Currency Code</b>	The currency code of the account
<b>Available Balance</b>	Available balance of the account
<b>Country Code</b>	Country code of the account

Field	Description
<b>Account Type</b>	Select the account type. The available options are <ul style="list-style-type: none"> <li>• Internal</li> <li>• External</li> </ul>
<b>Customer Name</b>	Name of the Customer
<b>Location</b>	Location of the account
<b>Account Category</b>	Sweep or Pool or both depending on the type of structure, for Sweep structures its defaulted to Sweep and for Pool structures its defaulted to Pool and for Hybrid structures user needs to select Sweep or Pool as per the requirement
<b>Sweep Priority</b>	Select the priority of the account for sweep, if parent is having multiple child accounts the account with least priority will get executed first.
<b>Sweep Direction</b>	Select the sweep direction for the account. The available options are <ul style="list-style-type: none"> <li>• One way Sweep</li> <li>• Two way Sweep</li> </ul>
<b>Hold</b>	The account participation in the structure can be suspended temporarily by selecting the Hold.
<b>Hold Start Date</b>	The account participation in the structure can be suspended temporarily by providing the hold start date in this field  This field is visible only when Hold is set to Yes
<b>Hold End Date</b>	The account Hold end date can be captured in this field  This field is visible only when Hold is set to Yes

### Parent Account Details

On clicking the Parent Account details the following information is displayed

**Figure 41: Parent Account Details**

Account Details	Account Number	Bank Code	Branch Code	IBAN
Parent Account Details	OBDX_SYSACC_1274	0020	HEL	
Instruction Details	Entity ID	Entity Name	Currency Code	Available Balance
Reverse Sweep Details	HEL_ENTITY	HEL_ENTITY_NAME	GBP	
Payment Instructions	Country Code	Account Type	Customer Name	Location
Reallocation	AUS	Notional	XXX XXXXXX	Sydney
ICL Details				
Structure Priority				

Ok Cancel

**Table 27: Parent Account Details – Field Description**

Field	Description
<b>Account Number</b>	The account number of the parent account
<b>Bank Code</b>	The bank code of the parent account
<b>Branch Code</b>	The branch code of the parent account
<b>IBAN</b>	The IBAN number of the parent account
<b>Entity ID</b>	The Entity ID of the parent account
<b>Entity Name</b>	The Entity Name of the parent account
<b>Currency Code</b>	The currency code of the parent account
<b>Available Balance</b>	Available balance of the parent account

Field	Description
<b>Country Code</b>	Country code of the parent account
<b>Account Type</b>	Account type of the parent – Sweep or Pool
<b>Customer Name</b>	Name of the Parent Customer
<b>Location</b>	Location of the parent account

### Setting Instruction Details

Click on the instruction details for that child-parent account pair and click on Add button to add the pair level instruction for the account selected

Select the Instruction ID from the LOV that should be applicable for the pair

Once the Instruction ID is captured, select the priority of the Instruction.

Instruction priority is useful when there is multiple instruction for the same pair

When a parent has more than one child accounts sweeps are executed based on the Sweep priority. During the sweep execution the least account priority pair will get executed first

After selection of the instruction ID select the frequency when the instruction needs to be executed

On selection of the Instruction the parameters for the instruction are defaulted from the maintenance done earlier but the same can be changed.

There is an option to suspend an Instruction by selecting Suspension Start Date and End Date on the same screen. Suspension will get applicable as soon as Structure is authorized by the user and will remain suspended for the mentioned period (Both Start and End date inclusive).

In case Suspension dates are provided at Instruction level, it will be applicable to all the frequencies maintained under that instruction

Once Suspension end date has passed (post EOD of Suspension End Date), instruction and all frequencies under the same will be restored and function as usual

If Suspension End date is not mentioned, instruction will be suspended perpetually

**Figure 42: Instruction Details – Setting Frequency**

**Setting Frequency**

To set frequencies for the selected Instruction ID, Click on the Frequency ID LOV.

**Delete**

Select the check box and click '-' button to delete the frequency.

**Viewing Parameters**

You can view the parameters values set for an instruction. Select the Instruction and Click on Parameter tab to view the parameter values set for it.

**Figure 43: Instruction Details – Setting Parameters**

### Setting Reverse Sweep Frequency

Reverse sweep frequency is the frequency at which the swept funds are remitted back to remitter account. Specify the frequency of reverse sweep. You can select the frequency from the option list. The list displays all the frequencies maintained in the system.

Click on the reverse sweep tab to set the reverse sweep frequency

Set the Reverse Sweep button to Yes, if reverse sweep is need for the pair.

On selection of the Reverse Sweep, Reverse Sweep LOV gets displayed for Selection

**Figure 44: Reverse Sweep Details**

Account Details	Reverse Sweep Allowed
Parent Account Details	<input checked="" type="checkbox"/>
Instruction Details	Reverse Sweep Frequency
Reverse Sweep Details	WEEK1 <input type="button" value="🔍"/>
Payment Instructions	
Reallocation	
Structure Priority	

### Specifying Payment Instructions

Payment Instruction drives the accounting between the pairs. The system defaults the payment instruction for a given account pair based on Default Payment Instruction maintained. The Default Payment Instruction could be maintained at bank level or at a customer level.

3. Click **Payment Instructions** tab to set the payment instructions for the pairs.  
 → The **Payment Instructions** screen is displayed.

**Figure 45: Payment Instructions**

Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 28: Pool Monitor – Field Description**

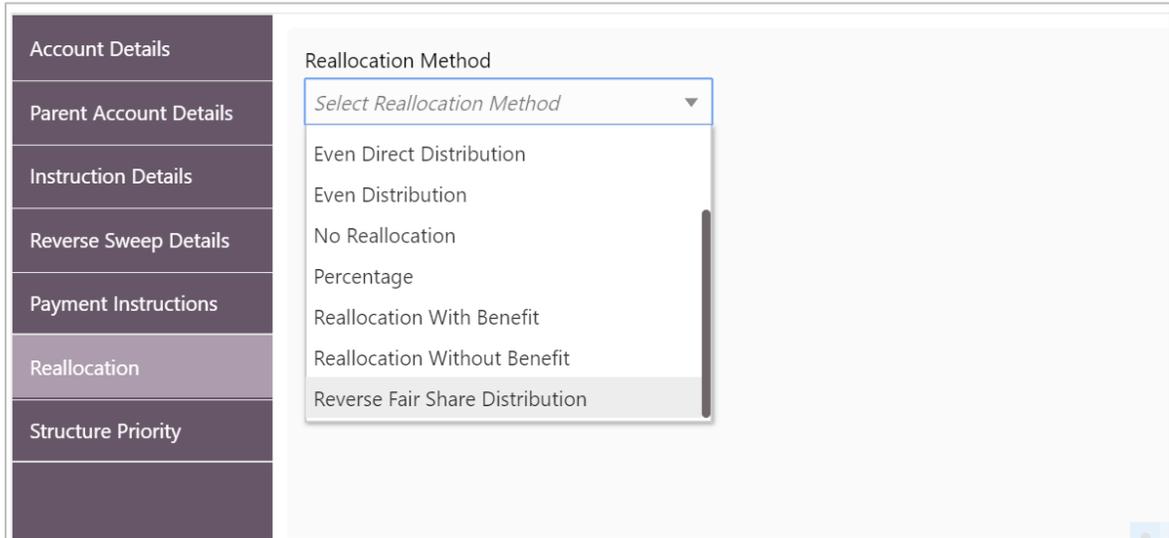
Field	Description
<b>Use Default Instructions</b>	<p>Select the toggle whether the default payment instruction is being applied or not.</p> <p>The system always defaults the toggle ON for the account pair to use the default payment instruction.</p> <p>Disable the toggle to allow the user to select the different payment instruction.</p>

Field	Description
<b>Oneway</b>	<p>Select the one-way parameters from the drop-down list. The list displays all the parameters that are set for the account in Payment Parameters setup.</p> <p>This field is editable only if the <b>Use Default Instructions toggle</b> is disabled.</p>
<b>Twoway</b>	<p>Select the two-way parameters from the drop-down list. The list displays all the parameters that are set for the account in payment parameters setup.</p> <p>This field is displayed only if the account pair is set for two way.</p> <p>This field is editable only if the <b>Use Default Instructions toggle</b> is disabled.</p>
<b>Parameters</b>	<p>Displays the table with the name and value set for the selected parameter.</p>

## Reallocation

Click on the Reallocation tab to set the reallocation parameter this will be applicable only for the parent accounts and not for the child accounts

**Figure 46: Reallocation**



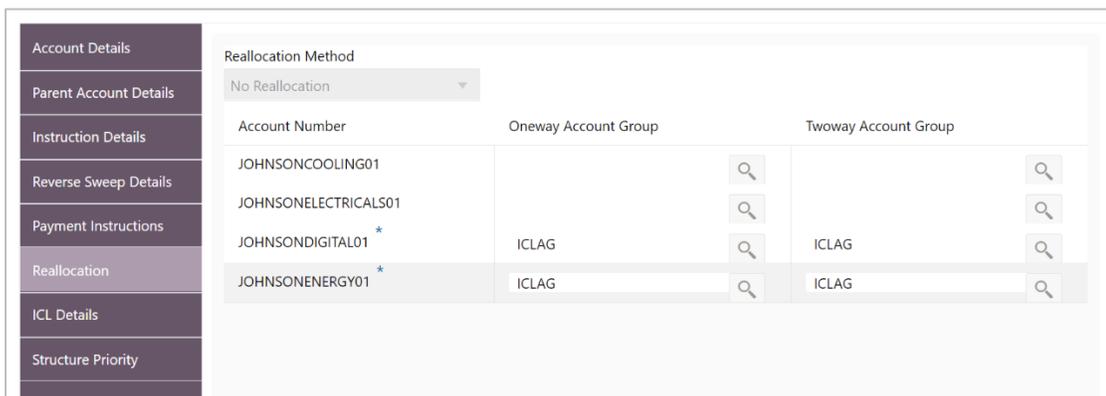
Reallocation details can be setup for Sweeps (ICL and Non ICL) as well through One way Account Group and Two way Account Group fields

These fields are mandatory for the Accounts for which pair level Track ICL parameter is marked as Yes.

For Non-ICL Account Pairs, the fields are optional

The Reallocation accordion will display all the Child Accounts only at the Parent Level. At Child level, where there are no further Child Accounts, it will display message “No data to display”

**Figure 47: Parent Level**



**Figure 48: Child Level**

**Table 29: Reallocation – Field Description**

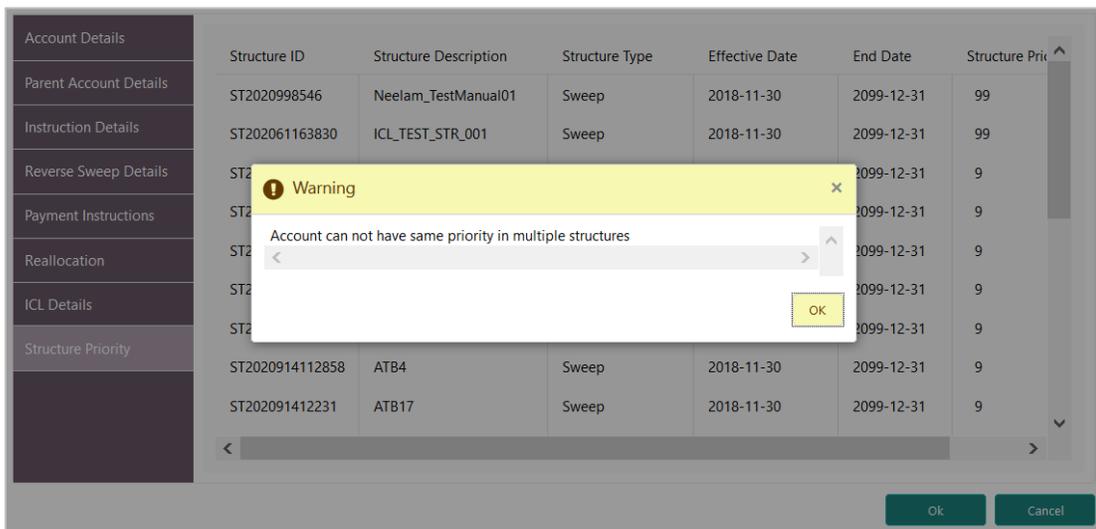
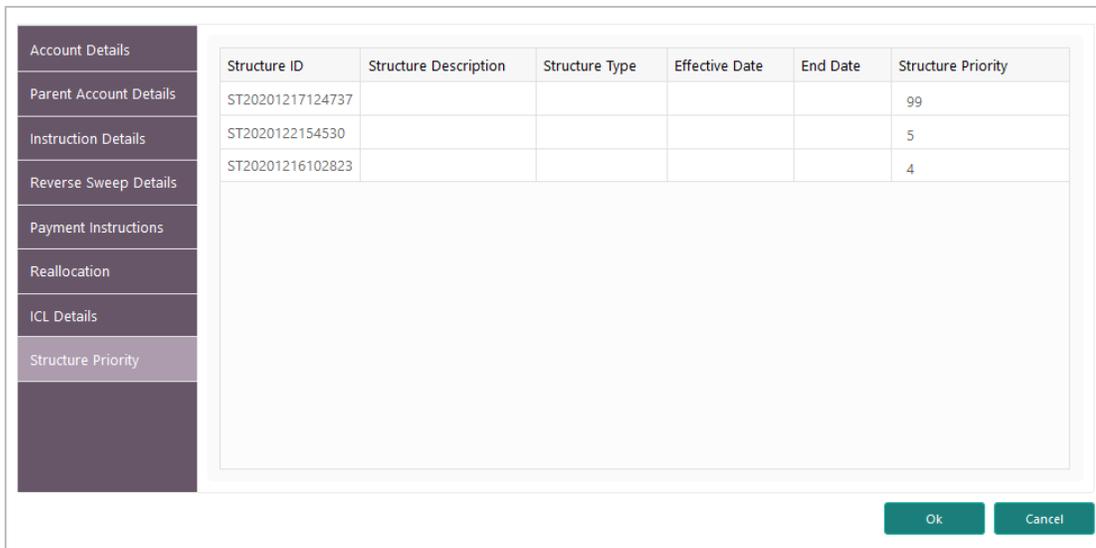
Field	Description
<b>Reallocation Method</b>	<p>Currently for Structure type as Sweep, the Reallocation Method is defaulted as “No Reallocation”</p> <p>For other Structure types, user can select any Reallocation Method from the dropdown</p>
<b>Account Number</b>	<p>The field will show all the Child account numbers the Parent account is associated with.</p> <p>For the Child Accounts which have Track ICL as Yes, maintenance of Oneway and/or Twoway Account Groups is mandatory depending on the direction of the sweep</p>
<b>Oneway Account Group</b>	<p>To maintain Interest Rate for reallocation at Parent-Child Pair level, Account groups should be maintained in this field. The field is mandatory for the ICL enabled Child accounts</p> <p>The One way Account Group interest rate will be applicable for reallocations happening for a sweep from Child to Parent direction (Reallocation will be from Parent to Child)</p>
<b>Twoway Account Group</b>	<p>The Two way Account Group interest rate will be applicable for reallocations happening for sweep from Parent to Child direction (Reallocation will be from Child to Parent)</p>

### Structure Priority

Structure priority comes into picture when an individual account is participating in multiple structures

When system detects that the account's in the current structure are participating in other structures as well the structure priority tab populates all other Structures ID, Version number and their priority in which there is account participates. System assigns a default priority of 99 to the account of current structure. However, user can change the structure priority for the current structure after viewing the other structure priorities. If the user provides same priority to the account in different structures, system will throw an error message to change the same.

**Figure 49: Structure Priority**



During sweep processing the structure with the least priority is given preference over the other structures. The one with least priority gets executed first followed by the next least priority structure.

The system also provides the following three options when the user right clicks on the child account, these options along with the Edit option can be used by the user both during creation and modification of the structure

- Delete Account
- Delete Hierarchy
- Replace

**Delete Account**

Used to delete the account from the structure.

**Delete Hierarchy**

Used to delete a hierarchy of the selected account from the structure.

**Replace**

Used to replace one account with another with in the structure.

**ICL Details Accordion**

This helps to enable ICL for a Pair of Accounts and respective details shall be captured in this screen. For ICL related maintenance, refer **Section 18.3.1**.

Account Details	Track ICL *	ICL Reference *
Parent Account Details	Yes	xyz
Instruction Details	Loan Type *	
Reverse Sweep Details	Fixed	
Payment Instructions	ICL Booking Report	
Reallocation	No	
Structure Priority	ICL Settlement Report	
ICL Details	No	

Ok Cancel

## 7.2.4 Structure Summary

The summary screen provides a summary of the structure created.

The details of the Structure level information and the tree is displayed. The tree will display unidirectional or bidirectional arrows as per the direction of sweep between the Child and Parent.

1. Click **Export** to download the structure details in excel (.xls) format.
2. Click **Previous** to navigate to the previous screen (Link Account) in case user wants to make some changes before saving the Structure.
3. Click **Submit** to save and submit the structure. A confirmation alert will be displayed.
4. Click **Cancel** to discard the updated details and come out of the Structure Screen. In such case, Structure will not get saved.

**Figure 50: Structure Summary**

The screenshot shows the 'Structure Summary' screen. The top navigation bar includes 'Structure Details', 'Link Account', and 'Structure Summary'. The main content area is titled 'Structure Summary' and contains a table of details. Below the table is a legend for account types and a tree hierarchy diagram.

Structure Details			
Customer ID BANBK	Customer Name Bandhan Bank Customer	Structure ID ST2021315121118015845	Structure Description MBCCTEST2
Structure Type Sweep	Interest Method Interest	Balance Type Investment Sweep	Value Date Track ICL
FX Rate Pickup Offline	Effective Date Apr 30, 2020	End Date Mar 25, 2031	Track ICL No
Instruction ID	Default Frequency	Reverse Frequency	Reallocation Method No Reallocation
Central Account Number	Central Account Branch	Central Account Currency	
Sweep on Currency Holidays No	Consider Post Sweep Balance Yes	Currency Holiday Rate	Rate Type
Holiday Treatment Holiday	Maximum Backward Days	Backward Treatment	
Structure Priority 99	Status Active	Pause Start Date	Pause End Date
Cross Currency No	Cross Border No	Multi Bank Cash Concentration No	Version No 1

Legend: ■ Third Party A/c ■ Sweep A/c ■ Pool A/c ■ Notional A/c

Tree Hierarchy:

```

graph TD
    A["MBCCPARENT GBP  
MBCCPARENT"] --> B["POOLS GBP  
POOLS +"]
  
```

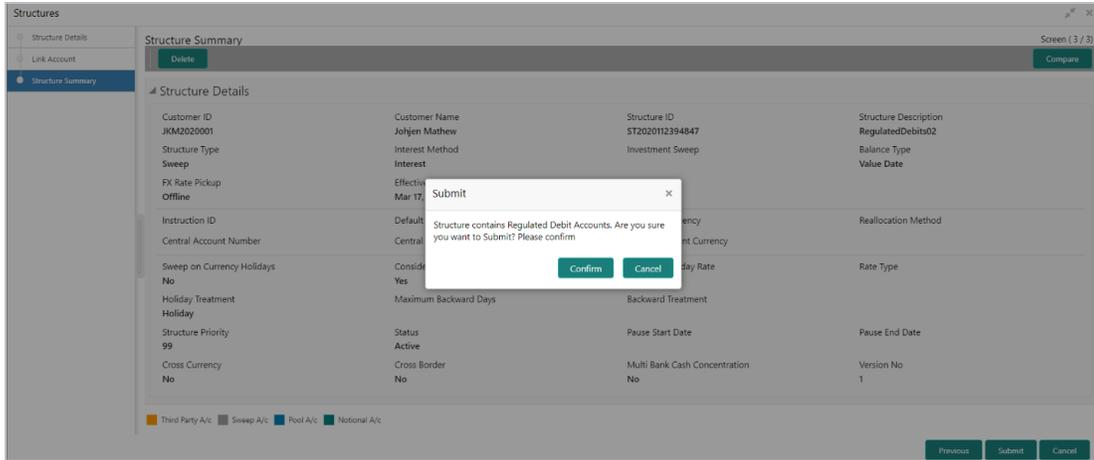
Account Details (shown on hover):

- Account Number: MBCCPARENT
- Description: MBCCPARENT
- Currency: GBP
- Bank Name: Futura Bank
- Bank Code: 0020
- Branch Code: SKP
- IBAN: null
- Location: Central

Buttons: Previous, Submit, Cancel

Mouse hover on the accounts in tree hierarchy will display following details of the account – Account Number, Description, Currency, Bank Name (This field appears only for External Accounts), Bank Code, Branch Code, IBAN and Location.

An overridable alert is shown to the user in case any of the participant account is marked as Yes for “Regulated Debits”



When the accounts are marked with “Regulated Debit” flag as N, system will not provide any overrides.

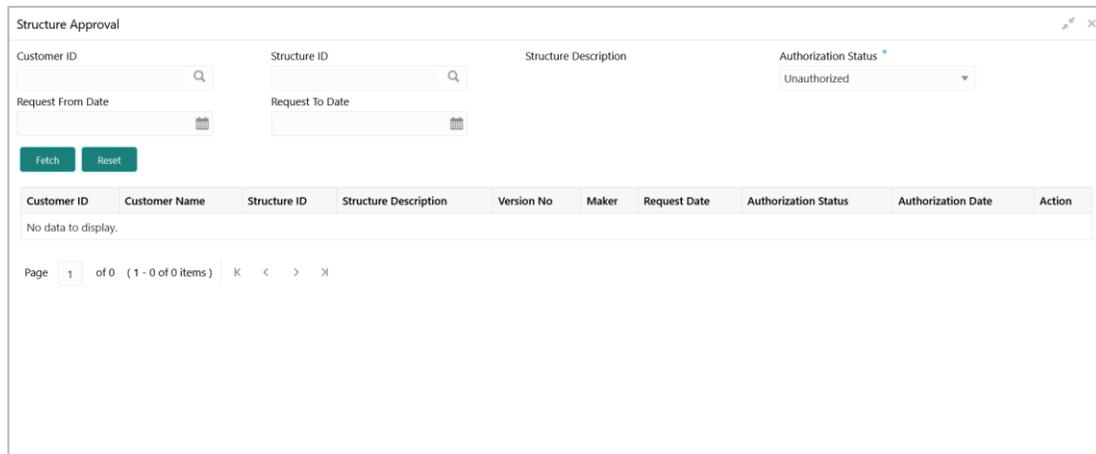
### 7.3 Structure Approval

Structure Approval screen enables the bank user to approve/reject the Liquidity structures along with the remarks.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Structure**.
2. Under **Structure**, click **Structure Approval**.

→ The **Structure Approval** screen appears.

**Figure 51: Structure Approval**



3. Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

Table 30: Structure Approval – Field Description

Field	Description
<b>Customer ID</b>	Click <b>Search</b> icon and select the customer ID for whom the structure needs to be approved.
<b>Structure ID</b>	Click <b>Search</b> icon and select the Structure ID which needs to be approved.
<b>Structure Description</b>	Displays the name of the structure.
<b>Authorization Status</b>	Select the Authorization Status for the structure.  The available options are <ul style="list-style-type: none"> <li>• Authorized</li> <li>• Unauthorized</li> <li>• Rejected</li> <li>• All</li> </ul>
<b>Request From Date</b>	Select the date from when the structure approval request needs to be fetched.
<b>Request To Date</b>	Select the date till when the structure approval request needs to be fetched.
<b>Search Result</b>	
Click <b>Fetch</b> button to get the following details	
<b>Customer ID</b>	Displays the Customer ID.
<b>Customer Name</b>	Displays the name of the customer.
<b>Structure ID</b>	Displays the Structure ID.
<b>Structure Description</b>	Displays the description of the structure.
<b>Version No</b>	Displays the version number of the structure.
<b>Maker</b>	Displays the maker of the structure.

Field	Description
<b>Request Date</b>	Displays the date and time when the structure approval is requested.
<b>Authorization Status</b>	Displays the authorization status.
<b>Authorization Date</b>	Displays the date and time when the structure is authorized.
<b>Action</b>	Click the action button for the following actions. <ul style="list-style-type: none"> <li>• View</li> <li>• Authorize</li> <li>• Reject</li> <li>• Remarks</li> </ul>

**View Structure Details:**

1. Click  button and select **View** to view the structure details.

→ The **Structure Details** popup appears.

**Figure 52: Structure Details Popup**

Structure Details			
Customer ID 000001	Customer Name BIBFCUBS CUST00001	Structure ID ST20219241233545562998	Structure Description Test
Structure Type Sweep	Interest Method Interest	Investment Sweep	Balance Type Value Date
FX Rate Pickup Offline	Effective Date Sep 24, 2021	End Date	Track ICL No
Instruction ID CD1	Default Frequency	Reverse Frequency	Reallocation Method No Reallocation
Central Account Number	Central Account Branch	Central Account Currency	
Sweep on Currency Holidays No	Consider Post Sweep Balance Yes	Currency Holiday Rate	Rate Type
Holiday Treatment Holiday	Maximum Backward Days	Backward Treatment	
Structure Priority 13	Status Inactive	Pause Start Date	Pause End Date
Cross Currency No	Cross Border No	Multi Bank Cash Concentration No	Version No 1

[Cancel](#)

For more information on fields, refer to [Table 37: Structure Details – Field Description](#).

**NOTE:** All the fields are in view mode only.

2. Click **Cancel** to close the structure details popup screen.

**Approve Structure:**

1. Click  button and select **Approve** to approve the structure.

→ The **Confirm** screen appears.

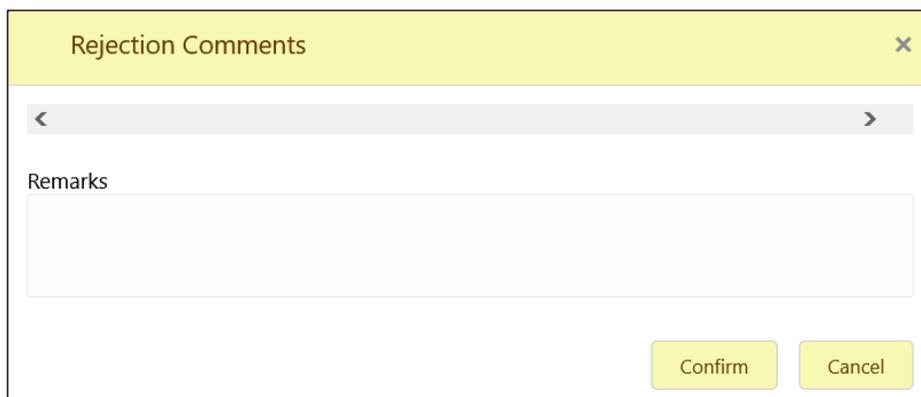
**Figure 53: Confirm**


2. Specify the remarks (if any) in **Remarks** field.
3. Click **Confirm** to confirm the approval.
4. Click **Cancel** to cancel the operation.

**Reject Structure:**

1. Click  button and select **Reject** to reject the structure.

→ The **Rejection Comments** screen appears.

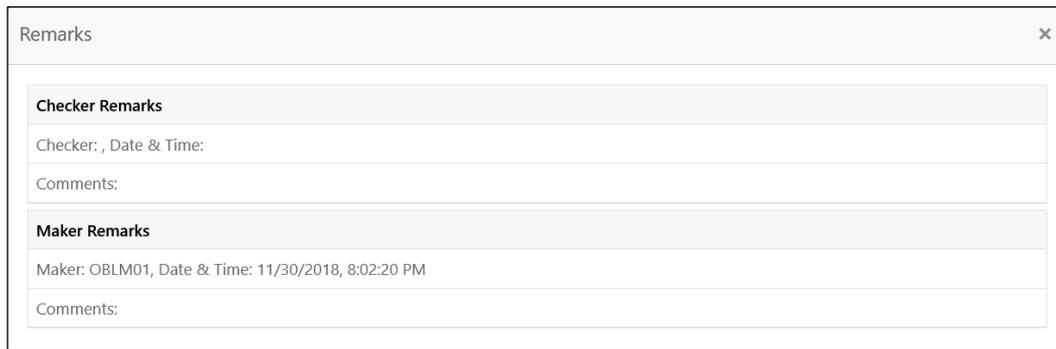
**Figure 54: Rejection Comments**


2. Specify the remarks (if any) in **Remarks** field.
3. Click **Confirm** to confirm the rejection.
4. Click **Cancel** to cancel the operation.

**View the remarks of the Structure:**

1. Click  button and select **Remarks** to view the maker and checker remarks of the structure.

→ The **Remarks** screen appears.

**Figure 55: Remarks**

The screenshot shows a window titled "Remarks" with a close button (X) in the top right corner. The window is divided into two main sections: "Checker Remarks" and "Maker Remarks".

**Checker Remarks**

Checker: , Date & Time:
Comments:

**Maker Remarks**

Maker: OBLM01, Date & Time: 11/30/2018, 8:02:20 PM
Comments:

## 8 Balance Build

### 8.1 Introduction

Oracle Banking Liquidity Management is a standalone system with accounts and balances being mirrored from DDAs. The actual accounts and balances are on DDA.

Oracle Banking Liquidity Management will either pull the account turnover data from DDA and build the balance for the account or DDA will push the actual value dated balances to Oracle Banking Liquidity Management tables based on which Oracle Banking Liquidity Management will update the account balances and carry out its function of sweeping and pooling

### 8.2 Balance Upload

Balance fetch parameter maintained at Branch Setup maintenance will govern the mode of balance update on Oracle Banking Liquidity Management. Oracle Banking Liquidity Management supports two modes of balance update, Online and Offline

#### Online Mode

In the online mode, the balances for the accounts in the branch will be fetched through a Web Service from the DDA. Basically, it's a pull by Oracle Banking Liquidity Management from DDA. The balance build always happens before the sweep/pool execution hence the sweeps/pool will always be performed on the latest balances on the account.

Oracle Banking Liquidity Management builds online balances in the following manner.

#### Value Date Build

In this scenario, Oracle Banking Liquidity Management will fetch balances from the DDA. The balance fetch includes previous day (T-1) closing value date account balance and the account turnover for the current book date (T) based on which the balance is built for the account, the account turnover considers transaction posted by the DDA and the transactions posted by Oracle Banking Liquidity Management as well (which may be due to Intraday/time-based sweeps)

As part of account turnover fetch, Oracle Banking Liquidity Management can receive the following:

- Only current value dated (T) turnover. In this situation the TO is clubbed with previous day's value date balance to arrive at today's value date balance
- Both current values dated (T) turnover and back dated turnover (T-X, where X is the number of days) or
- Only back dated turnover (T-X, where X is the number of days).

**DDA Turnover (BVT Turnover)**

In this scenario, Oracle Banking Liquidity Management will only fetch the turnover for all the days in the BVT period without including the transactions that are posted by LM. This is used for BVT processing.

**Offline Mode**

In offline mode, the balances for the accounts in the branch will be fetched from the backend tables of Oracle Banking Liquidity Management. These balances are updated through a periodic file upload from DDA. Basically, it's a push from DDA to Oracle Banking Liquidity Management. DDA will keep periodically pushing the balance files to Oracle Banking Liquidity Management and the periodicity is governed by the DDA. Oracle Banking Liquidity Management will refer to its backend tables before the start of sweep/pool.

In offline method, Oracle Banking Liquidity Management will build balances on actual value dated balances of the participant accounts (based on the last file upload from DDA)

**NOTE:** All transaction posted in DDA from Oracle Banking Liquidity Management, will have a unique transaction code.and show a confirmation of structure getting submitted

## 9 Monitors and Batches

### 9.1 Introduction

This chapter deals with the various monitors and batches provided by the Application and contains the following sections:

#### Monitor Screens

- File Upload Monitor
- Interface Monitor
- MBCC Monitor
- Pending Authorization
- Pool Monitor
- Reallocation Monitor
- Reverse Sweep Monitor
- Sweep Monitor

#### Batch Screens

- Account Pair Sweep
- End of Cycle
- Manual Status Update
- Pool Update
- Structure Sweep

## 9.2 Monitors

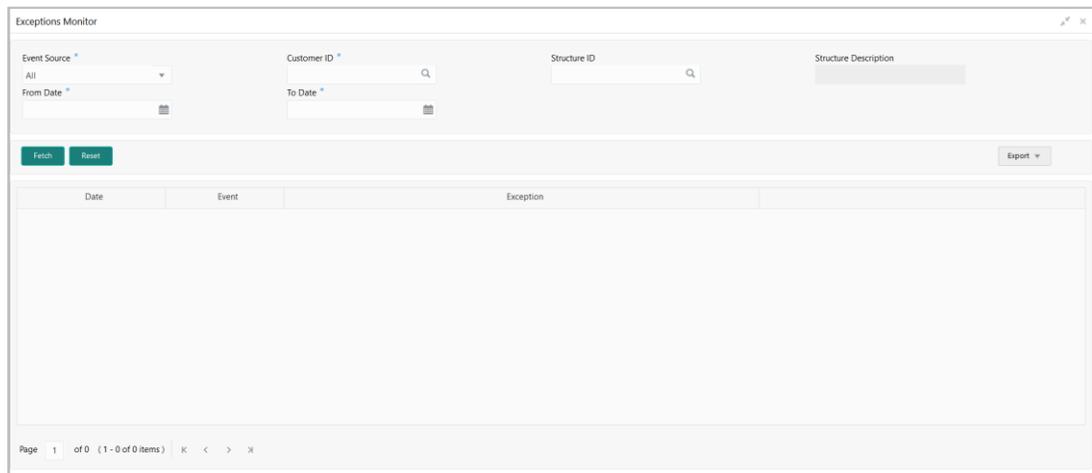
### 9.2.1 Exceptions Monitor

Exceptions Monitor enables the user to view and download the exceptions for Sweep, Pool and Reallocation events.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Exceptions Monitor**.

→ The **Exceptions Monitor** screen is displayed.

**Figure 56: Exceptions Monitor**



Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 31: Exceptions Monitor – Field Description**

Field	Description
<b>Event Source</b>	Select the event source. The available options are <ul style="list-style-type: none"> <li>• All</li> <li>• Sweep</li> <li>• Pool</li> <li>• Reallocation</li> </ul>

<b>Field</b>	<b>Description</b>
<b>Customer ID</b>	Click the search icon and select the specific customer ID for which details are to be viewed
<b>Structure ID</b>	Click the search icon and select the specific structure ID for which details are to be viewed
<b>Structure Description</b>	Displays the description of the selected structure.
<b>From Date</b>	Specify the start date from when to fetch the details
<b>To Date</b>	Specify the end date till when to fetch the details
Click <b>Fetch</b> button to get the following details.	
<b>Date</b>	Displays the date for the exception.
<b>Event</b>	Displays the event details.
<b>Exception</b>	Displays the exception details.

3. Click **Reset** button to clear the data for a fresh fetch if required.
4. Click **Export** button and select **Excel** from the dropdown to export the details in excel format.

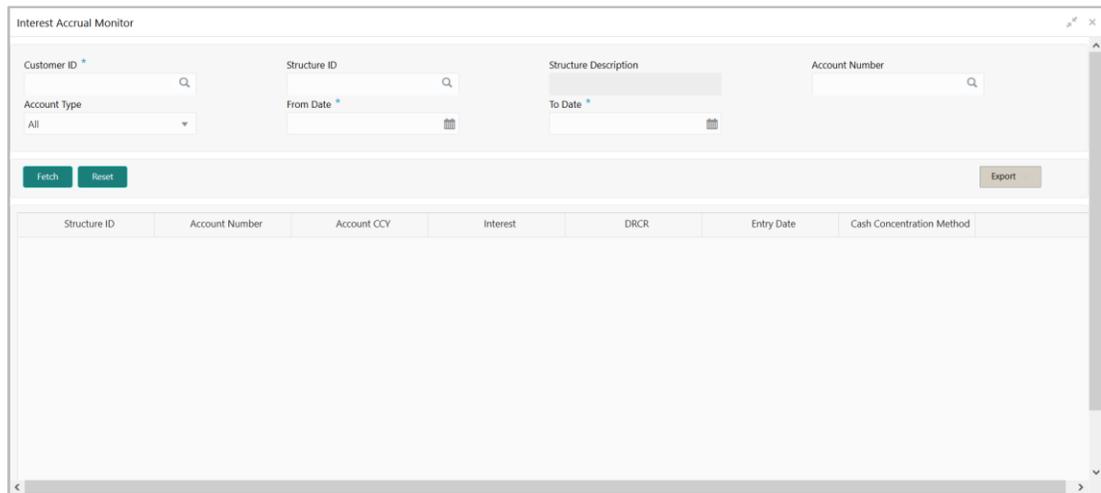
## 9.2.2 Interest Accrual Monitor

This Monitor enables user to view the interest accrued on the account for the given dates.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Interest Accrual Monitor**.

→ The **Interest Accrual Monitor** screen is displayed.

**Figure 57: Interest Accrual Monitor**



Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 32: Interest Accrual Monitor – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the specific customer ID for which details are to be viewed
<b>Structure ID</b>	Click the search icon and select the specific structure ID for which details are to be viewed
<b>Structure Description</b>	Displays the description of the selected structure.
<b>Account Number</b>	Click the search icon and select the account number for which details are to be viewed

<b>Field</b>	<b>Description</b>
<b>Account Type</b>	Select the account type. The available options are <ul style="list-style-type: none"> <li>• All</li> <li>• Sweep</li> <li>• Pool</li> <li>• Hybrid</li> </ul>
<b>From Date</b>	Specify the start date when to fetch the details
<b>To Date</b>	Specify the end date till when to fetch the details
Click <b>Fetch</b> button to get the following details.	
<b>Structure ID</b>	Displays the structure ID
<b>Account Number</b>	Displays the Account Number
<b>Account CCY</b>	Displays the currency of the account
<b>Interest</b>	Displays the Interest accrued on the account
<b>DRCR</b>	Displays the transaction type. The available options are <ul style="list-style-type: none"> <li>• Debit</li> <li>• Credit</li> </ul>
<b>Entry Date</b>	Displays the date at which the interest accrued.
<b>Cash Concentration Method</b>	Displays the cash concentration method.

3. Click **Reset** button to clear the data for a fresh fetch if required.
4. Click **Export** button and select **Excel** from the dropdown to export the details in excel format.

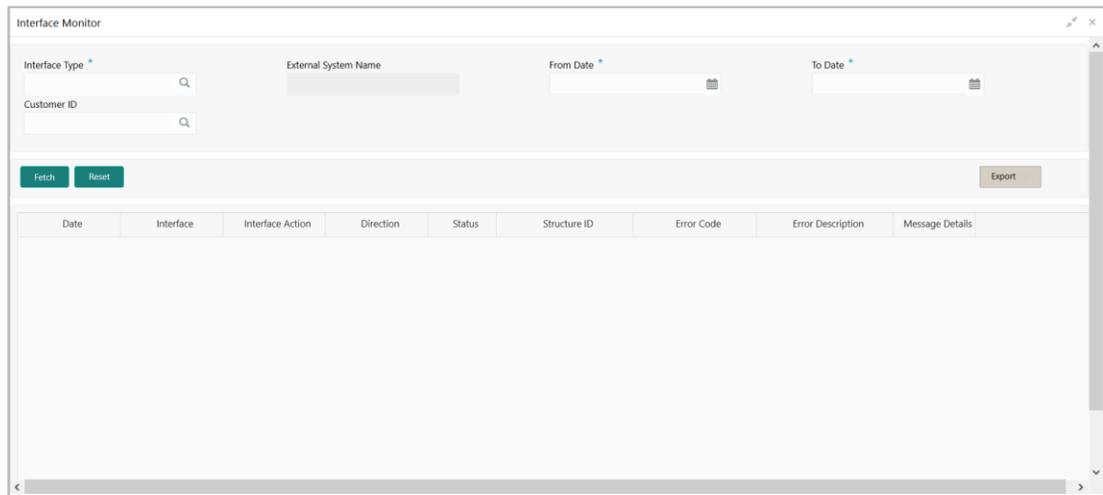
### 9.2.3 Interface Monitor

This Monitor enables user to view the external system wise Interface details for the given dates.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Interface Monitor**.

→ The **Interface Monitor** screen is displayed.

**Figure 58: Interface Monitor**



Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 33: Interface Monitor – Field Description**

Field	Description
<b>Interface Type</b>	Click the search icon and select the Interface type for which details are required from the LOV.
<b>External System Name</b>	External System Name gets populated on selection of the Function ID
<b>From Date</b>	Specify the start date from when to fetch the details
<b>To Date</b>	Specify the end date till when to fetch the details

<b>Field</b>	<b>Description</b>
<b>Customer ID</b>	Click the search icon and select the specific customer ID for which details are to be viewed
Click <b>Fetch</b> button to get the following details.	
<b>Date</b>	Displays the date and time of Interaction
<b>Interface</b>	Displays the Interface
<b>Interface action</b>	Displays the Interface action
<b>Direction</b>	Displays the direction of the Interaction
<b>Status</b>	Displays the status of the Interaction. The available options are <ul style="list-style-type: none"> <li>• Success</li> <li>• Error</li> </ul>
<b>Structure ID</b>	Displays the structure affected during for the Interaction
<b>Error Code</b>	Displays the error code if any for the interaction.
<b>Error Description</b>	Displays the error description if any for the interaction
<b>Message Details</b>	Displays message details on click of the View Message link

3. Click **Reset** button to clear the data for a fresh fetch if required.
4. Click **Export** button and select **Excel** from the dropdown to export the details in excel format.

## 9.2.4 MBCC Monitor

This Monitor enables user to view the MBCC transaction for a Customer for a structure ID for a selected date range.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **MBCC Monitor**.

→ The **MBCC Monitor** screen is displayed.

**Figure 59: MBCC Monitor**

Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 34: MBCC Monitor – Field Description**

Field	Description
<b>Origin Account Number</b>	Click the search icon and select the Origin account number
<b>Destination Account Number</b>	Click the search icon and select the Destination account number
<b>Customer ID</b>	Click the search icon and select the customer ID
<b>Structure ID</b>	Click the search icon and select the structure related to selected Customer ID.

<b>Field</b>	<b>Description</b>
<b>From Date</b>	Specify the start date from when to view the MBCC details.
<b>To Date</b>	Specify the end date till when to view the MBCC details.
Click <b>Fetch</b> button to get the following details.	
<b>Structure ID</b>	Displays the Structure ID
<b>Origin Account Number</b>	Displays the Origin Account Number
<b>Origin Currency Code</b>	Displays the Origin Account Currency Code
<b>Destination Account Number</b>	Displays the Destination Account Number
<b>Destination Currency</b>	Displays the Destination Currency
<b>Message Type</b>	Displays the Message type
<b>Event Code</b>	Displays the Event Code
<b>Status</b>	Displays the Status
<b>Exception Message</b>	Displays the Exception Message
<b>Message Details</b>	Displays the Message Details

## 9.2.5 Message Monitor

Incoming Message Monitor screen is provided under the Monitor tab of the application to display all the incoming MT9xx Messages.

All incoming messages are parsed, and details will be displayed on the Message Monitor.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Message Monitor**.

→ The **Message Monitor** screen is displayed.

**Figure 60: Message Monitor**

The screenshot shows the Message Monitor interface. At the top, there are search filters: SWIFT Message Type (dropdown), Sender BIC Code (text input with search icon), Transaction Reference No. (text input), External Account No. (text input with search icon), and Message Date (calendar icon). Below these are 'Fetch' and 'Reset' buttons. A table with the following columns is displayed: Message Type, Sender BIC Code, Transaction Reference No., External Account No., Message Log Time, Processed Time, Message Status, Statement No., Sequence No., and Actions. The table content is empty, showing 'No data to display.' At the bottom, there is a pagination bar: Page 1 of 0 (1 - 0 of 0 items) with navigation arrows.

Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

Table 35: Message Monitor – Field Description

Field	Description
<b>SWIFT Message Type</b>	Select the SWIFT Message Type. The available options are <ul style="list-style-type: none"> <li>• MT940</li> <li>• MT941</li> <li>• MT942</li> <li>• MT950</li> <li>• CAMT.052</li> <li>• CAMT.053</li> </ul>
<b>Sender BIC Code</b>	Click the search icon and select the Sender BIC code of the message
<b>Transaction Reference No.</b>	Select the Transaction Reference Number of the message
<b>External Account No.</b>	Click the search icon and select the external account number.
<b>Message Date</b>	Select the date of the Incoming message.
<b>Status</b>	Select the status of the message. The available options are <ul style="list-style-type: none"> <li>• Processed (P)</li> <li>• Unprocessed (U)</li> <li>• Error (E)</li> <li>• Hold (H)</li> <li>• Suppressed (S)</li> </ul>
Click <b>Fetch</b> button to get the following details.	
<b>View More Details</b>	To View additional incoming message details (For all status)

<b>Field</b>	<b>Description</b>
<b>View Message</b>	To view incoming message (For all status)
<b>Audit Log</b>	To view audit log for respective message (For all status)
<b>Retry</b>	To retry messages in Hold/Unprocessed status (Unprocessed and Hold messages)
<b>Suppress</b>	Suppress the processing of the messages in Hold/Unprocessed status (Unprocessed and Hold messages)

The message can have the any of the following status on the Monitor

**Processed:**

Message is processed

**Un-Processed:**

Message is yet to be processed

**Suppressed:**

Message will not be processed any further

**Hold:**

Message is on Hold (Due to Sweep Check (Earlier executed sweep is not yet processed) or Statement received out of order –:28C: or If Sequence No is received out of order or previous message is still not Processed/Hold))

**Error:**

Message in Error status and will not be processed further

LM also supports auto processing of messages in Hold status in addition to manual processing.

The Auto processing will be an internal job whose frequency can be parameterized (PLATO Schema – Properties Table) and by default its set to 5 minutes.

Refer Third Party Bank Parameter and Third Party Branch Parameter for other MT message related setups.

3. Click **Reset** Button to clear the data for a fresh fetch if required.

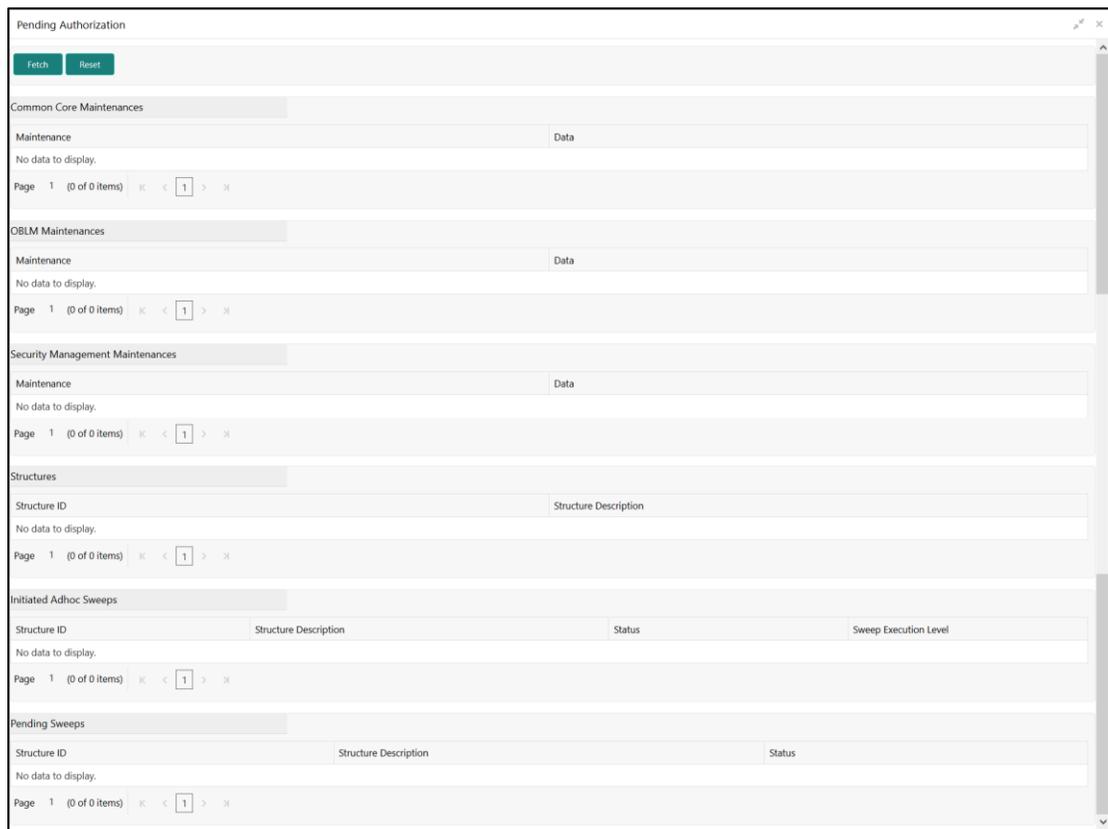
## 9.2.6 Pending Authorization

Pending Authorization enables user to view the pending authorization maintenances, Adhoc Sweeps and Sweeps in P status across branches.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Pending Authorization**.

→ The **Pending Authorization** screen is displayed.

**Figure 61: Pending Authorization**



3. Click **Fetch** button to get the following details:

**Table 36: Pending Authorization – Field Description**

Field	Description
<b>Common Core Maintenances</b>	
<b>Maintenance</b>	Displays the pending authorization Maintenance

<b>Field</b>	<b>Description</b>
<b>Data</b>	Displays the pending authorization Maintenance record details
<b>Oracle Banking Liquidity Management Maintenances</b>	
<b>Maintenance</b>	Displays the pending authorization Maintenance
<b>Data</b>	Displays the pending authorization Maintenance record details
<b>Security Management Maintenances</b>	
<b>Maintenance</b>	Displays the pending authorization Maintenance
<b>Data</b>	Displays the pending authorization Maintenance record details
<b>Structures</b>	
<b>Structure ID</b>	Displays the pending authorization Structure ID
<b>Structure Description</b>	Displays the pending authorization Structure Description
<b>Initiated Adhoc Sweeps</b>	
<b>Structure ID</b>	Displays the Adhoc Sweep initiated Structure ID
<b>Structure Description</b>	Displays the Adhoc Sweep initiated Structure Description
<b>Status</b>	Displays the status of the Initiated Adhoc Sweep
<b>Sweep Execution Level</b>	Displays the Sweep execution level
<b>Pending Sweeps</b>	
<b>Structure ID</b>	Displays Structure ID where sweeps are in "P-Pending" status

Field	Description
<b>Structure Description</b>	Displays Structure Description ID where sweeps are in “P-Pending” status
<b>Status</b>	Displays the “P” status

4. Click **Reset** Button to clear the data for a fresh fetch if required.

## 9.2.7 Pool Monitor

Pool Monitor enables user to view the Pool execution details.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Pool Monitor**.

→ The **Pool Monitor** screen is displayed.

**Figure 62: Pool Monitor**

On the **Pool Monitor** screen, specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk. For more information on fields, refer to the field description table below.

**Table 37: Pool Monitor – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the Customer ID for which reallocation data is to be viewed from the list.

<b>Field</b>	<b>Description</b>
<b>Structure ID</b>	Click the search icon and select the Structure ID for which the reallocation data is to be viewed from the list.
<b>Filter By</b>	Select the filtering criteria of the output from the dropdown menu. The available options are: <ul style="list-style-type: none"> <li>• All</li> <li>• Exceptions</li> <li>• Pending</li> <li>• Success</li> </ul>
<b>From Date</b>	Specify the start date from when to fetch the data
<b>To Date</b>	Specify the end date till when to fetch the data
Click <b>Fetch</b> button to get the following details.	
<b>Pool ID</b>	Displays the Pool ID
<b>Structure ID</b>	Displays the structure ID of the executed structure
<b>Net Pool Position</b>	Displays the Net Pool Position of the Structure
<b>Status</b>	Displays the status of the Pool
<b>Message</b>	Displays the status message
<b>Value Date</b>	Displays the value date of the Pool execution
<b>Log Time Stamp</b>	Displays the log time stamp of the Pool execution

3. Click **Reset** Button to clear the data for a fresh fetch if required.

## 9.2.8 Reallocation Monitor

Reallocation Monitor enables user to view the Reallocation details.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Reallocation Monitor**.

→ The **Reallocation Monitor** screen is displayed.

**Figure 63: Reallocation Monitor**

The screenshot displays the 'Reallocation Monitor' interface. It features a search form with the following fields: 'Customer ID \*' (containing '1100'), 'Structure ID', 'From Date \*' (containing 'Jan 1, 2018'), and 'To Date \*' (containing 'Jan 3, 2018'). There are 'Fetch' and 'Reset' buttons below the form. At the bottom, a table header lists the following columns: 'Reallocation Parent Account Number', 'Parent Account Branch', 'Parent Account Currency', 'Child Account Number', 'Child Account Branch', 'Reallocated Amount CCY', 'Exchange Rate', and 'Interest'.

Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 38: Reallocation Monitor – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the Customer ID for which reallocation data is to be viewed from the list.
<b>Structure ID</b>	Click the search icon and select the Structure ID for which the reallocation data is to be viewed from the list.
<b>From Date</b>	Specify the start date from when to fetch the data.
<b>To Date</b>	Specify the end date till when to fetch the data.
Click <b>Fetch</b> button to get the following details	

<b>Field</b>	<b>Description</b>
<b>Reallocation Parent Account Number</b>	Displays the reallocation parent account number
<b>Parent Account Branch</b>	Displays the reallocation parent account branch
<b>Parent Account Currency</b>	Displays the reallocation parent account currency
<b>Child Account Number</b>	Displays the reallocation child account number
<b>Child Account Branch</b>	Displays the reallocation child account branch
<b>Reallocated Amount CCY</b>	Displays reallocation amount currency
<b>Exchange Rate</b>	Displays the exchange rate
<b>Interest Amount</b>	Displays the Interest amount reallocated

3. Click **Reset** button to clear the data for a fresh fetch if required.

## 9.2.9 Reverse Sweep Monitor

Reverse Sweep Monitor enables user to view the Reverse Sweep executed in the system for a date range.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Reverse Sweep Monitor**.

→ The **Reverse Sweep Monitor** screen is displayed.

**Figure 64: Reverse Sweep Monitor**

The screenshot displays the 'Reverse Sweep Monitor' application window. At the top, there are four date selection fields: 'Book Date From', 'Book Date To', 'Value Date From', and 'Value Date To'. Below these are search fields for 'Customer ID' and 'Structure ID', and a 'Filter By' dropdown menu set to 'All'. Action buttons for 'Fetch', 'Reset', and 'Export' are present. The main area is a table with the following columns: Sweep ID, Sweep Log ID, Structure ID, Instruction ID, Parent Account, Parent Pre Sweep Balance, Parent Post Sweep Balance, Parent Account Currency, Child Account, Child Pre Sweep Balance, Child Post Sweep Balance, Sweep Amount from Child Account, and CI.

On the Pool Monitor screen, specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk. For more information on fields, refer to the field description table below.

**Table 39: Reverse Sweep Monitor – Field Description**

Field	Description
<b>Book Date From</b>	Specify the start book date from when to view the batches.
<b>Book Date To</b>	Specify the end book date till when to view the batches.
<b>Value Date From</b>	Specify the start value date from when to view the batches.
<b>Value Date To</b>	Specify the end value date till when to view the batches.

<b>Field</b>	<b>Description</b>
<b>Customer ID</b>	Click the search icon and select the Customer ID for which reverse sweep details are to be viewed
<b>Structure ID</b>	Click the search icon and select the Structure ID for which reverse sweep details are to be viewed
<b>Filter By</b>	Select the filtering criteria of the output from the dropdown menu. The options are: <ul style="list-style-type: none"> <li>• All</li> <li>• Exceptions</li> <li>• Pending</li> <li>• Success</li> <li>• Handed Off</li> </ul>
Click <b>Fetch</b> button to get the following details	
<b>Sweep ID</b>	Displays the Sweep ID
<b>Sweep Log Id</b>	Displays the Reverse Sweep Log ID
<b>Structure ID</b>	Displays the Structure ID of the executed structure
<b>Instruction ID</b>	Displays the Instruction ID
<b>Parent Account</b>	Displays parent account
<b>Parent Pre-Sweep Balance</b>	Displays parent pre-sweep balance
<b>Parent Post-Sweep Balance</b>	Displays parent post-sweep balance
<b>Parent Account Currency</b>	Displays parent account currency
<b>Child Account</b>	Displays child Account
<b>Child Pre-Sweep Balance</b>	Displays child pre-sweep balance
<b>Child Post-Sweep Balance</b>	Displays child post-sweep balance
<b>Sweep Amount from Child Account</b>	Displays sweep amount from child account.

<b>Field</b>	<b>Description</b>
<b>Child Account Currency</b>	Displays the child account currency
<b>Value Date</b>	Displays the value date of reverse sweep
<b>Two Way</b>	Displays if it is a two-way sweep
<b>BVT</b>	Displays if it is a BVT
<b>BVT ID</b>	Displays BVT ID
<b>FX Rate</b>	Displays the FX rate
<b>Mode</b>	Displays the mode
<b>Status</b>	Displays the status
<b>New Status</b>	Displays the new status
<b>Error Code</b>	Displays error code
<b>Message</b>	Displays the outgoing message
<b>Ext Sys Ref Id</b>	Displays the external system reference
<b>Log Timestamp</b>	Displays log timestamp
<b>Sweep Initiated By</b>	Displays the User Id of the Initiator
<b>Balance Updated Time Stamp</b>	Displays the balance update time stamp
<b>Payment Message</b>	Displays the Payment Message by clicking on <b>View Message</b>

3. Click **Reset** button to clear the data for a fresh fetch if required.
4. Click **Export** button and select the file type from the dropdown to export the details.

The available options are:

- CSV
- Excel

### 9.2.10 Structure Query

Structure Query Screen can be used to query a structure based on the input parameters of customer ID / Account ID.

Either Customer ID or Account Number should be provided to fetch the results (mandatory fields)

For the entered Customer ID/Account ID in the search criteria, system will display list of structures in which the Customer ID/Account ID is a participant

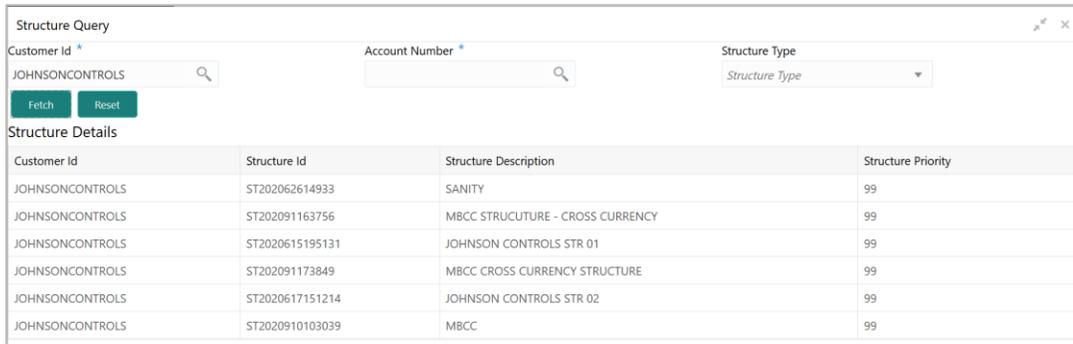
This screen will follow the Customer User Linkage while displaying the Search Results.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.

2. Under **Monitor**, click **Sweep Monitor**.

→ The **Sweep Monitor** screen is displayed.

**Figure 65: Structure Query**



Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 40: Structure Query – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the Customer ID for which Structure details are to be viewed
<b>Account Number</b>	Click the search icon and select the Account Number for which Structure details are to be viewed

Field	Description
<b>Structure Type</b>	Specify the Structure Type that is to be viewed – Sweep, Pool, Hybrid
Click <b>Fetch</b> button to get the following details	
<b>Customer ID</b>	Displays the Customer ID that is searched/Customer ID associated with the Account number that is searched
<b>Structure ID</b>	Displays the structure ID
<b>Structure Description</b>	Displays the Structure Description
<b>Structure Priority</b>	Displays the Structure Priority of the displayed Structures

3. Click **Reset** button to clear the data for a fresh fetch if required.

## 9.2.11 Sweep Monitor

Sweep Monitor enables the user to view the Sweep details.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Monitor**.
2. Under **Monitor**, click **Sweep Monitor**.

→ The **Sweep Monitor** screen is displayed.

**Figure 66: Sweep Monitor**

Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk.

**Table 41: Sweep Monitor – Field Description**

Field	Description
<b>Book Date From</b>	Specify the start book date.
<b>Book Date To</b>	Specify the end book date.
<b>Value Date From</b>	Specify the start value date.
<b>Value Date To</b>	Specify the end value date.
<b>Customer ID</b>	Click the Search icon and select the Customer ID for which reverse sweep details are to be viewed

<b>Field</b>	<b>Description</b>
<b>Structure ID</b>	Click the Search icon and select the Structure ID for which reverse sweep details are to be viewed
<b>Filter By</b>	Select the filtering criteria of the output from the dropdown menu. The options are: <ul style="list-style-type: none"> <li>• All</li> <li>• Exceptions</li> <li>• Pending</li> <li>• Success</li> <li>• Handed Off</li> </ul>
Click <b>Fetch</b> button to get the following details	
<b>Customer ID</b>	Displays the customer ID of the executed structure
<b>Structure ID</b>	Displays the structure ID of the executed structure
<b>Sweep ID</b>	Displays the sweep ID used to query transaction details and account information
<b>Sweep Log ID</b>	Displays the sweep Log ID
<b>Sweep Concentration Method</b>	Displays the sweep concentration method
<b>Instruction ID</b>	Displays the sweep instruction ID that was executed
<b>Parent Account</b>	Displays the parent account number
<b>Parent Account Description</b>	Displays the description of the parent account
<b>Parent Account Branch</b>	Displays the branch of the parent account
<b>Parent Pre-Sweep Balance</b>	Displays the balance in the parent account before the execution of the sweep
<b>Parent Post Sweep Balance</b>	Displays the balance in the parent account after the execution of the sweep

<b>Field</b>	<b>Description</b>
<b>Sweep Amount to Parent Account</b>	Displays the sweep amount to parent account.
<b>Parent Account Currency</b>	Displays the parent account currency
<b>Child Account</b>	Displays the child account number
<b>Child Account Branch</b>	Displays the branch of the child account
<b>Child Pre Sweep Balance</b>	Displays the balance in the child account before the execution of the sweep
<b>Child Post Sweep Balance</b>	Displays the balance in the child account after the execution of the sweep
<b>Sweep Amount from Child Account</b>	Displays the sweep amount from child account
<b>Child Account Currency</b>	Displays child account currency
<b>Value Date</b>	Displays the value date of the execution
<b>Two Way</b>	Displays if the sweep is a two-way sweep. The values displayed are 'Y' or 'N'
<b>Reverse Sweep</b>	Displays if the sweep is a reverse sweep. The values displayed are 'Y' or 'N'
<b>BVT</b>	Displays if the sweep is a BVT Sweep. The values displayed are 'Y' or 'N'
<b>BVT ID</b>	Displays the BVT ID
<b>FX Rate</b>	Displays the FX rate for cross currency sweeps
<b>Mode</b>	Displays the mode of the sweep execution – Auto or Manual

<b>Field</b>	<b>Description</b>
<b>Status</b>	Displays the status of the sweep. The values displayed can be 'S', 'P' or 'E' representing Success, Pending and Exception respectively.
<b>New Status</b>	Displays the new status after retrying
<b>Manual Status Update Maker</b>	Displays the manual status update maker.
<b>Manual Status Update Maker</b>	Displays the manual status update checker.
<b>Error Code</b>	Displays the error code for sweeps in exception
<b>Message</b>	Displays any exception message generated
<b>Ext Sys Ref ID</b>	Displays the external system reference ID
<b>Log Timestamp</b>	Displays the date and time sweep execution
<b>Log Timestamp (UTC)</b>	Displays the date and time sweep execution in UTC
<b>Sweep Initiated By</b>	Displays the sweep initiators user Id
<b>Balance Updated Timestamp</b>	Displays the balance updated date and time
<b>Payment Message</b>	Displays the Payment Message by clicking on <b>View Message</b>

3. Click **Reset** button to clear the data for a fresh fetch if required.
4. Click **Export** button and select **Excel** from the dropdown to export the details in excel format.

### 9.3 Batches

#### 9.3.1 Account Pair Sweep

This screen is used to invoke a pair level sweep on a structure manually. To invoke this screen, click 'Batch' tab on the application and select 'Sweep Batch'.

The Account Pair Sweep has 3 Options

Authorize Account Pair Sweep: To Authorize the Manually initiated Pair level sweep

Initiate Account Pair Sweep: To Manually Initiate a pair level sweep

View Account Pair Sweep: To view an unauthorized Manually initiated pair level sweeps

**NOTE:** The same User cannot be the Initiator and Authorizer of the Account Pair Sweep.

#### Initiate Account Pair Sweep

The Initiate Account Pair Sweep screen has 2 selection criteria

First select the Customer ID and then one of the Structure ID's for the customer needs to be selected to initiate the manual sweep

There is also an option either to include external accounts in the manual sweep initiation

On selection of the requisite criteria the following data gets published.

**Figure 67: Initiate Account Pair Sweep**

<input type="checkbox"/>	Account Number	Instruction ID - Priority	Branch Code	Currency Code	Parent Account Number	Parent Branch Code	Parent Currency Code
<input checked="" type="checkbox"/>	BAC0001	ZBA1 - 1	BIB	USD	BAC0000	BIB	USD
<input type="checkbox"/>	BAC00011	ZBA1 - 1	BIB	USD	BAC0001	BIB	USD
<input checked="" type="checkbox"/>	BAC00012	ZBA1 - 1	BIB	USD	BAC0001	BIB	USD

**Table 42: Initiate Account Pair Sweep – Field Description**

<b>Field</b>	<b>Description</b>
<b>Customer ID</b>	Click the Search icon and select the Customer ID for which the account pair sweep has to be initiated.
<b>Customer Name</b>	Displays the customer name based on the selection.
<b>Structure ID</b>	Click the Search icon and select the Structure ID for which the account pair sweep has to be initiated.
<b>Structure Description</b>	Displays the structure description based on the selection.
<b>Include External Account</b>	Select the toggle to include the external account number.
<b>Account Number</b>	All the accounts of the selected structure are displayed in this column
<b>Instruction ID- Priority</b>	All the Instruction Ids attached at the account are displayed along with the Instruction priority set for each of the instructions in cases where multiple instruction have been attached at the account.  User can select the instruction Id to be executed for the pair.
<b>Branch Code</b>	Specify the branch code of the account
<b>Currency Code</b>	Specify the currency code of the account
<b>Parent Account Number</b>	Specify the parent account number for the child
<b>Parent Branch Code</b>	Specify the branch code of the parent
<b>Parent Currency Code</b>	Specify the parent account currency code.

User can select an account pair or a set of account pairs for manual sweep execution by selecting the square box aligned to the left of the account number.

User needs to click on the **Initiate** button to initiate the manual sweeps for the selected pairs.

User can click on the **Reset** button to initiate a new pair level manual sweep.

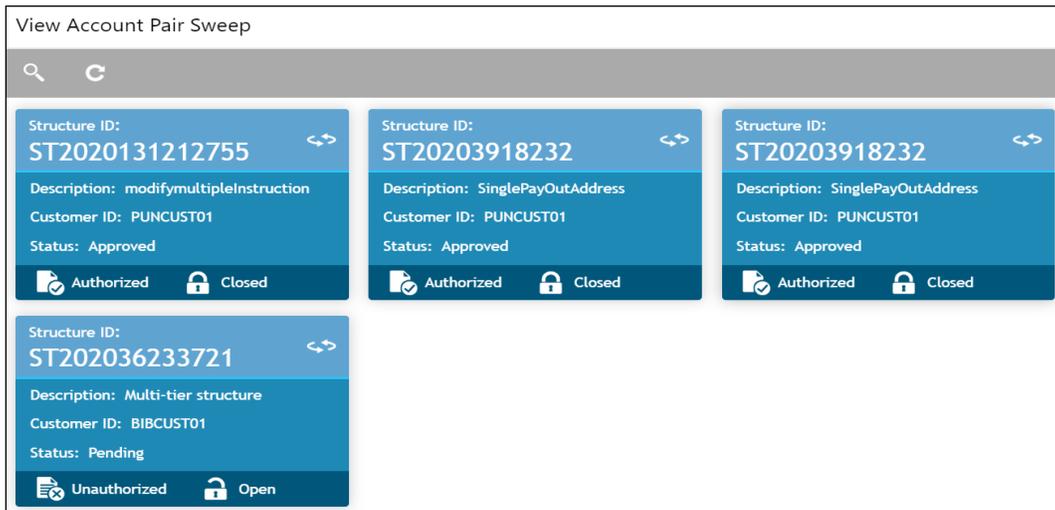
### View Account Pair Sweep

The view account pair sweep screen shows all the manual sweeps initiated both the unauthorized and authorized (Rejected and Approved) by the users.

User can click on the one of the tabs to access and view the operation carried out on the initiate account pair screen by the initiator.

This screen is a summary of all the successful actions on the initiate account pair screen.

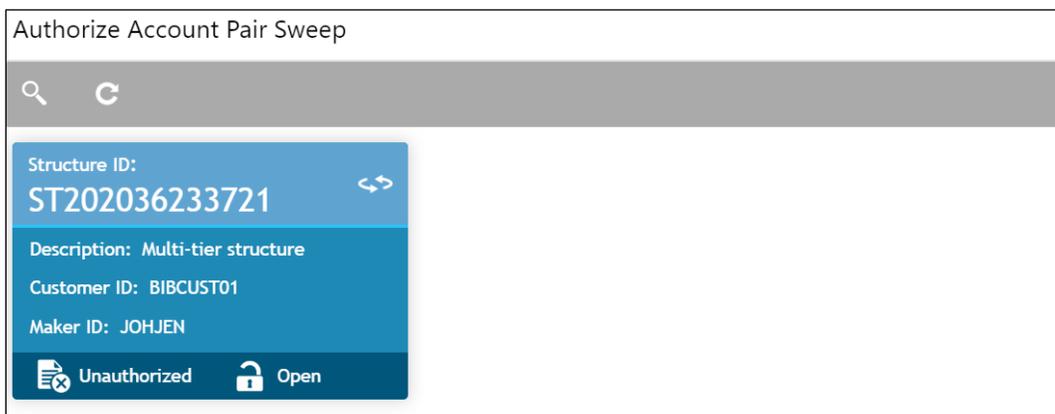
**Figure 68: View Account Pair Sweep**



### Authorize Account Pair Sweep

The authorize account pair sweep screen shows all the manual sweeps initiated and not yet authorized.

**Figure 69: Authorize Account Pair Sweep**



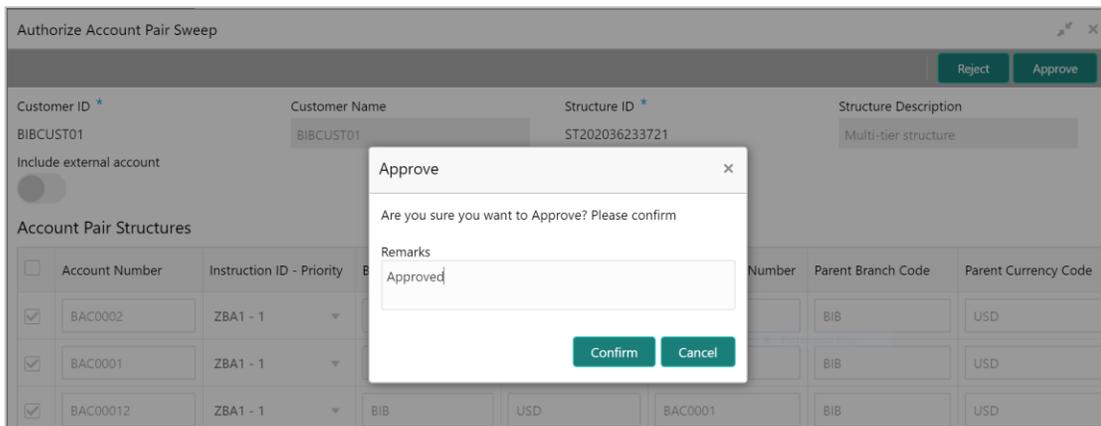
The user needs to click on one of the tabs which he can review and either authorize or reject with a comment.

By clicking the tab, the user will be able to access the main Authorize Account Pair Screen which displays all the inputs of the initiator.

The user can decide to either “Reject” or “Approve” the Manual Pair Sweep by clicking the requisite button on the screen

User will also be able to capture the Approval or Reject remarks and confirm action, post which the sweep is either processed or rejected

**Figure 70: Authorize Account Pair Sweep - Remarks**



### 9.3.2 End of Cycle

#### Invoke EOD

You can invoke End of Day (EOD) for Oracle Banking Liquidity Management through a common screen in Core Maintenance.

Refer to **Section 2.5.3 Branch EOD Invoke** in Oracle Banking Common Core User Guide to run EOD.

The Oracle Banking Liquidity Management EOD process calls the following internal services in following sequential manner.

- EODJOB
- DATEFLIP
- BODJOB

As part of the EOD Batch, the following sub batches will be triggered in the application.

Batch	Sub Batch	Action
EOD	Markcutoff	<ul style="list-style-type: none"> <li>• Pre-validation check for EOD like pending authorization, date check, completion of previous EOD. Etc.</li> </ul>
	Sweep	<ul style="list-style-type: none"> <li>• Executes account pairwise and structure pair sweep that are configured to run during EOD</li> </ul>
	Balance fetch	<ul style="list-style-type: none"> <li>• Balance update/pull for that branch</li> </ul>
	Pool	<ul style="list-style-type: none"> <li>• Executes pool-based structures to update Pool contributions</li> </ul>
	IC	<ul style="list-style-type: none"> <li>• Call IC Mark Cut off</li> <li>• Interest Calculations &amp; Liquidation (IC)</li> <li>• Call Oracle Banking Liquidity Management EOD Post IC</li> <li>• Accrual &amp; Liquidation Handoff to DDA</li> </ul>

Batch	Sub Batch	Action
<b>Date Flip</b>	DateFlip	<ul style="list-style-type: none"> <li>Change system date to next working date in common core, IC &amp; Oracle Banking Liquidity Management</li> </ul>
	ReleaseCutoff	<ul style="list-style-type: none"> <li>Mark release cutoff for IC batch</li> </ul>
<b>BOD</b>	ReallocationBatch	<ul style="list-style-type: none"> <li>Sweep and Pool Reallocation</li> <li>Handoff for reallocation batch to DDA</li> </ul>
	ReverseSweep	<ul style="list-style-type: none"> <li>BOD reverse frequency sweeps for Account Pair followed by Structure</li> </ul>
	BodSweep	<ul style="list-style-type: none"> <li>Executes sweep configures to run during BOD - Account wise followed by Structure wise</li> </ul>

**NOTE:** Oracle Banking Liquidity Management branch dates should be in sync with DDA branch dates to stop wrong entries being posted or Sweep getting failed

DDA Date	Oracle Banking Liquidity Management Date	Oracle Banking Liquidity Management Action
15-Jul-19	14-Jul-19	Oracle Banking Liquidity Management will fetch balance for 14th July and post entries for 14 July value date once again
14-Jul-19	15-Jul-19	Oracle Banking Liquidity Management will not be able to fetch balances

### Steps to Configure EOD

Refer to **EOD Configuration Guide** for configuring EOD as per the user requirements.

### 9.3.3 Manual Status Update

When a sweep is initiated in the system the sweep is initially in P-Pending status and moves to either S- Success or E-Error status when the sweep is settled through DDA or any other system which has one step settlement process (Example: Payment instruction for the pair is FCUBSIFSERVICE (Oracle FLEXCUBE Universal Banking))

When a sweep is initiated in the system the sweep is initially in P-Pending status and moves to H-Hand Off status and then moves to either S- Success or E-Error status when the sweep is settled through Payments or any system which has a twostep settlement process (Example: Payment instruction for the pair is PMSinglePayOutService (Oracle Banking Payments))

There are situations when the sweep is stuck either in the 'P' or 'H' status due to a temporary interface snap and the same will go through if retired. To overcome this situation sweep retry parameters is provided at Application Parameters

On Retry records moves from P (Pending) to H/E (Hand off\ Error) in case of Oracle Banking Payments or S\E (Success\Error) in case of Oracle FLEXCUBE Universal Banking on retires depending on the External System Action Configuration 'Handoff Stages(s)' - Two - H (Hand off) for Oracle Banking Payments, One- P (Posting) for Oracle FLEXCUBE Universal Banking (For a given External system for a given Service)

Manual status update screen is provided in the system to handle Sweeps in H (Hand Off) status

Manual status update screen provides a manual handle to the user to move the sweeps transaction status

Manual Intervention can be performed through the 'Manual Status Update' Screen to move Transaction from H to E (Error) or S (Success) status (Oracle Banking Payments)

The manual updates need to be authorized by a different user form the Authorize Status screen

Sweeps will be in handed off status when the system has successfully dispatched the request to Oracle Banking Payments (any payment system) and waiting for their response.

User can search the sweep transactions in handed off status based on search criteria from manual update screen.

User can update the status as Error or Success of sweeps transactions manually.

After record is saved, second user can authorize the status on authorize status screen.

After successful authorization, manual status of sweep will be updated, and User can check the sweeps on screen monitor screen.

**Figure 71: Update status**

The manual updates on the sweep status can be performed by accessing the update status screen from the following path

Oracle Banking Liquidity Management System > Manual Status Update > Update Status

You can enter the following details here:

**Table 43: Update Status – Field Description**

Field	Description
<b>Customer ID</b>	Click the Search icon and select the customer ID for which the sweep transactions are to be viewed. You can select the customer ID from the option list.
<b>Structure ID</b>	Click the Search icon and select the structure ID for which the sweep transactions are to be viewed. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.
<b>Parent Account</b>	Click the Search icon and select the Parent Account no for which the sweeps transactions are to be viewed. You can select the Account no. from the option list. The list displays all the Account no. maintained in the system.

<b>Field</b>	<b>Description</b>
<b>Child Account</b>	Click the Search icon and select the Child Account no for which the sweeps transactions are to be viewed. You can select the Account no. from the option list. The list displays all the Account no. maintained in the system.
<b>From Date</b>	Specify the start date from when to view the sweep transactions.
<b>To Date</b>	Specify the end date till when to view the Sweep transactions.
<b>External reference Number</b>	Specify the external reference number to update the sweep transactions.
<b>Authorized</b>	Select the status as ALL, Authorized or Rejected from the dropdown for which sweep transactions to be viewed.
Click 'Fetch' which will display the following	
<b>Sweep ID</b>	Displays the Sweep ID
<b>Structure ID</b>	Displays the structure ID of the executed structure
<b>Parent Account</b>	Displays the parent account number
<b>Parent Account Currency</b>	Displays the parent account currency.
<b>Child Account</b>	Displays the child account number
<b>Child Account Currency</b>	Displays the child account currency.
<b>Sweep Amount</b>	Displays the sweep amount.
<b>Value Date</b>	Displays the value date of the execution
<b>Two Way</b>	Displays if the sweep is a two-way sweep. The values displayed are 'Y' or 'N'
<b>External Ref No</b>	Displays external reference number

<b>Field</b>	<b>Description</b>
<b>Handoff Status</b>	Displays the status of the transaction. The values displayed can be Hand off or Pending.
<b>Error Code</b>	Displays the Error Code
<b>Message</b>	Displays any exception message generated
<b>New status</b>	Displays the status to be updated manually. The values displayed are be Error or Success.
<b>Maker Remarks</b>	Maker user can enter the remarks.
<b>Checker Remarks</b>	Displays checker user remarks.
<b>Authorized</b>	Display the authorized status of Sweep. Possible values will be all, authorized or rejected
<b>Maker Id</b>	Displays the maker id
<b>Maker date</b>	Displays the maker date and time of updating status
<b>Checker Id</b>	Displays the checker id
<b>Checker date</b>	Displays the checker date and time of authorizing status.

### Authorize Status

The manual updates on the sweep status must be authorized by a different user from the 'Authorize Status' screen from the following path

Oracle Banking Liquidity Management System > Manual Status Update > Authorize Status

This screen enables user to authorize the Sweeps status which were updated manually.

**Figure 72: Authorize Status**

The screenshot shows the 'Authorize Status' interface. At the top, there are search filters for Customer ID, Structure ID, Parent Account, and Child Account, each with a search icon. Below these are 'From' and 'To' date pickers, and an 'External Reference No' search field. There are 'Fetch' and 'Reset' buttons. The main area contains a table with columns: Structure ID, Parent Account, Ccy, Child Account, Ccy, Sweep Amount, Two Way, Value Date, HandOff Status, Message, New Status, Authorized, Maker Remarks, Checker Remarks, Maker Id, and Maker Date. Two rows are visible, both with a checkmark in the first column. The second row is highlighted. At the bottom, there is a pagination control showing 'Page 1 of 1 (1-2 of 2 items)'.

Structure ID	Parent Account	Ccy	Child Account	Ccy	Sweep Amount	Two Way	Value Date	HandOff Status	Message	New Status	Authorized	Maker Remarks	Checker Remarks	Maker Id	Maker Date
ST7423	1005000103	EUR	8880000105	EUR	50	N	2/15/2019	HandOff	Contract created with warning-	Error	Authorized	Contract failed	Approved	LMADMIN1	8/18/2019, 4:36:41 AM
ST7423	1005000103	EUR	8880000105	EUR	50	N	2/15/2019	Pending	Pending for accounting Hand Off	Success	Authorized	Contract created manually	Approved	LMADMIN1	8/18/2019, 4:37:49 AM

You can enter the following details here:

**Table 44: Authorize Status – Field Description**

Field	Description
<b>Customer ID</b>	Click the Search icon and select the customer ID for which the sweep transactions are to be viewed. You can select the customer ID from the option list.
<b>Structure ID</b>	Click the Search icon and select the structure ID for which the sweep transactions are to be viewed. You can select the structure ID from the option list. The list displays all the structure IDs maintained in the system.
<b>Parent Account</b>	Click the Search icon and select the Parent Account no for which the sweeps transactions are to be viewed. You can select the Account no. from the option list. The list displays all the Account no. maintained in the system.

<b>Field</b>	<b>Description</b>
<b>Child Account</b>	Click the Search icon and select the Child Account no for which the sweeps transactions are to be viewed. You can select the Account no. from the option list. The list displays all the Account no. maintained in the system.
<b>From Date</b>	Specify the start date from when to view the sweep transactions.
<b>To Date</b>	Specify the end date till when to view the Sweep transactions.
<b>External Reference Number</b>	Click the Search icon and select the external reference number to update the sweep transactions.
Click <b>Fetch</b> which will display the following	
<b>Sweep ID</b>	Displays Sweep ID
<b>Structure ID</b>	Displays the structure ID of the executed structure
<b>Parent Account</b>	Displays the parent account number
<b>Parent Account Currency</b>	Displays the parent account currency.
<b>Child Account</b>	Displays the child account number
<b>Child Account Currency</b>	Displays the child account currency.
<b>Sweep Amount</b>	Displays sweep amount.
<b>Value Date</b>	Displays the value date of the execution
<b>Two Way</b>	Displays if the sweep is a two-way sweep. The values displayed are 'Y' or 'N'
<b>External Ref No</b>	Displays the external reference number
<b>Handoff Status</b>	Displays the status of the transaction. The values displayed can be Hand off or Pending.

<b>Field</b>	<b>Description</b>
<b>Error Code</b>	Displays the Error Code
<b>Message</b>	Displays any exception message generated
<b>New status</b>	Displays the status updated.
<b>Authorized</b>	Display the authorized status of Sweep. Possible values will be all, authorized or rejected
<b>Maker Remarks</b>	Display maker user remarks.
<b>Checker Remarks</b>	Checker user can enter the remarks
<b>Maker id</b>	Displays the maker id
<b>Maker date</b>	Displays the maker date and time of updating status
<b>Checker Id</b>	Displays the checker id
<b>Checker date</b>	Displays the checker date and time of authorizing status.

### 9.3.4 Pool Batch

This screen is used to invoke a Pool batch manually. To invoke this screen, click 'Batch' tab on the application and select 'Pool Batch.'

Note: - If the Pool batch is invoked manually for a Structure, the End of the day Auto-Pool Batch will ignore the Structure for the day and will not process the pool transaction.

#### Initiating Pool for Structure

To initiate Pool for a structure, capture the Customer ID and Structure ID and click on the 'Invoke Pool for Structure'

**Figure 73: Initiating Pool for Structure**

The screenshot shows the 'Pool Batch' application interface. It is divided into two main sections: 'Pool for structure' and 'Pool for branch'.  
 In the 'Pool for structure' section, there are four input fields: 'Customer ID \*' (containing 'VSCU01'), 'Customer Name' (containing 'Sweep Customer 01'), 'Structure ID \*' (containing 'ST346738'), and 'Structure Description'. Below these fields is a green button labeled 'Invoke pool for structure'.  
 In the 'Pool for branch' section, there are two input fields: 'Branch Code \*' and 'Branch Name'. The 'Branch Code \*' field is empty, and the 'Branch Name' field is empty. A blue button labeled 'Invoke pool for branch' is visible below these fields.

#### Initiating Pool for Branch

To initiate Pool for a branch, capture the Branch Code and click on the 'Invoke Pool for Branch'

**Figure 74: Initiating Pool for Branch**

The screenshot shows the 'Pool Batch' application interface. It is divided into two main sections: 'Pool for structure' and 'Pool for branch'.  
 In the 'Pool for structure' section, there are four input fields: 'Customer ID \*', 'Customer Name', 'Structure ID \*', and 'Structure Description'. All fields are empty. A grey button labeled 'Invoke pool for structure' is visible below these fields.  
 In the 'Pool for branch' section, there are two input fields: 'Branch Code \*' (containing 'AT3') and 'Branch Name' (containing 'AT3'). A green button labeled 'Invoke pool for branch' is visible below these fields.

### 9.3.5 Structure Sweep

This screen is used to invoke a structure level sweep manually. To invoke this screen, click 'Batch' tab on the application and select 'Structure Sweep'.

The Structure Sweep has 3 Options

- Authorize Structure Sweep: To Authorize the Manually initiated Structure Sweep
- Initiate Structure Sweep: To Manually Initiate a Structure Sweep
- View Structure Sweep: To view an unauthorized Manually initiated Structure Sweep

**NOTE:** The same User cannot be the Initiator and Authorizer of the Account Pair Sweep.

#### Initiate Structure Sweep

The Initiate Structure Sweep screen has 2 selection criteria

First select the Customer ID and then one of the Structure ID's for the customer, the other option is to not select any structure in which case all the structures of the customer will be initiated for Sweep

There is also an option either to include external accounts in the manual sweep initiation

On selection of the requisite criteria and clicking 'Fetch Structure(s)' the following data gets published

**Figure 75: Initiate Structure Sweep**

Structure ID	Structure Description	Effective Date
ST2634	Intra Branch Same CCY Sweep	2018-01-29

**Table 45: Initiate Structure Sweep – Field Description**

Field	Description
Structure ID	Displays the Structure ID's for the customer selected
Structure Description	Displays the structure description
Effective Date	Displays the effective date of the structure

Click **Initiate** button to initiate the structure sweep

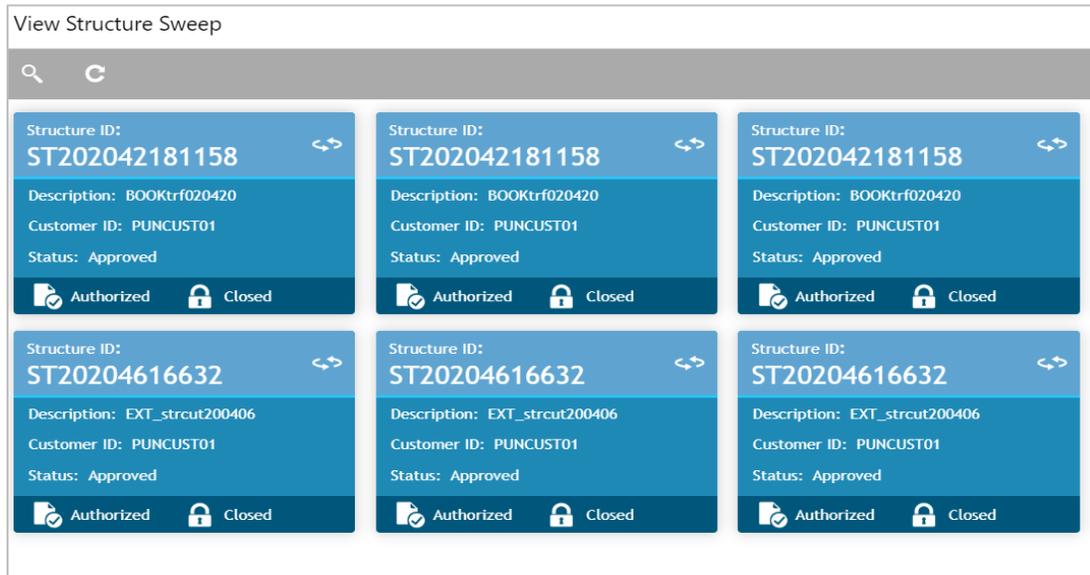
**View Structure Sweep**

The view structure sweep screen shows all the manual sweeps initiated both the unauthorized and authorized (Rejected and Approved) by the users.

User can click on the one of the tabs to access and view the operation carried out on the initiate account pair screen by the initiator.

This screen is a summary of all the successful actions on the initiate account pair screen.

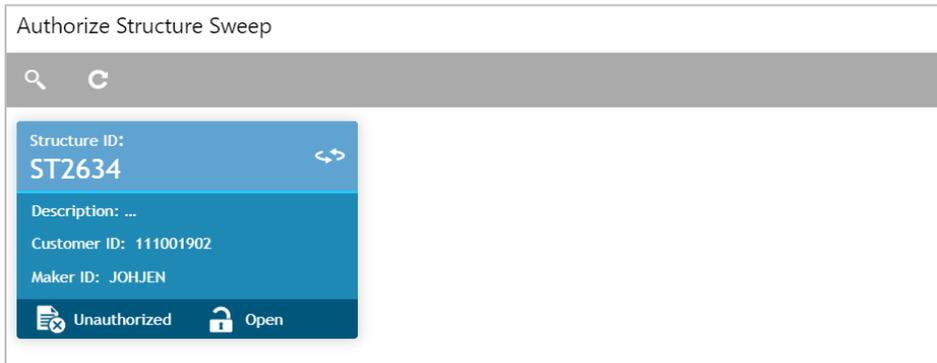
**Figure 76: View Structure Sweep**



### Authorize Structure Sweep

The authorize account pair sweep screen shows all the manual sweeps initiated and not yet authorized.

**Figure 77: Authorize Structure Sweep**



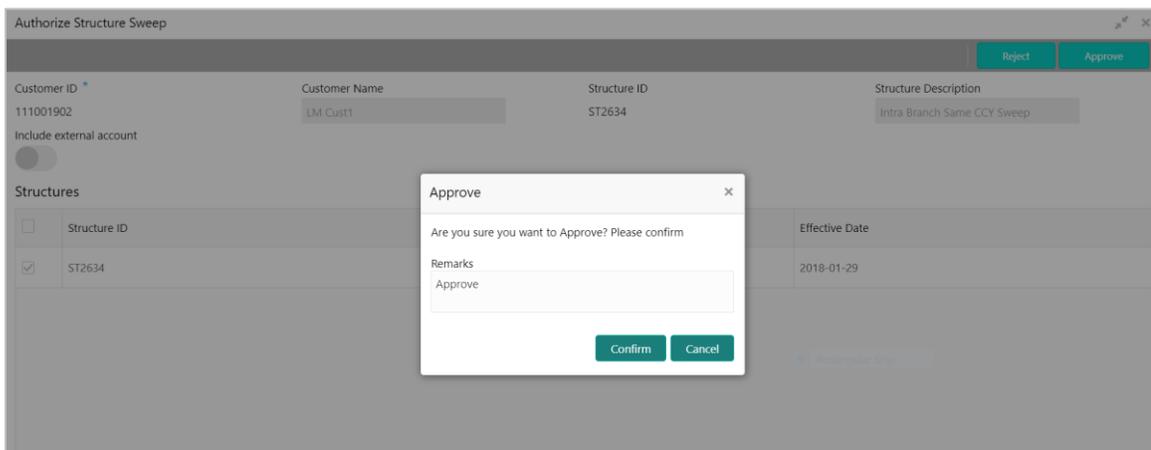
The user needs to click on one of the tabs which he can review and either authorize or reject with a comment.

By clicking the tab, the user will be able to access the main Authorize Structure Screen which displays all the inputs of the initiator.

The user can decide to either "Reject" or "Approve" the Manual Pair Sweep by clicking the requisite button on the screen

User will also be able to capture the Approval or Reject remarks and confirm action, post which the sweep is either processed or rejected

**Figure 78: Authorize Structure Sweep – Remarks**



## 10 BVT Handling

### 10.1 Introduction

During the balance build process, whenever system receives a transaction for which value date is less than the system date of the branch (booking date), system will mark that transaction/s as BVT.

During the EOD processing, Oracle Banking Liquidity Management will identify accounts and their related structures for which back value dated transaction must be processed. The BVT processing will always be done at the structure headers EOD.

The system rebooks the sweeps (in case of physical pooling) and adjusts the interest amount that had been accrued and settled in the accounts when you input a transaction with a back-value date. In case of a change in the Account Structure in the interim between the Back-Value Transaction (BVT) date and current date, the system uses the account structure existing on the execution days.

### 10.2 BVT Processing

Any back valued transaction will result in rebooking of sweeps from that BVT date. If the Account Structure had undergone a change in the period between the BVT date and current date, system will take the appropriate previous structure information into account while replaying the sweeps

System will carry out the following steps during BVT processing

Condition	Action
<b>Reversal of Sweeps</b>	System Reverses all the sweep instructions executed on relevant structures from back value date to current date
<b>BVT balance adjustments</b>	System adjusts the balances of an account based on BVT transactions
<b>Re-play sweep instructions</b>	System replays all the sweep instructions from Back value date to current date for all related structures, considering the BVT adjusted balances.
<b>BVT update to Core Banking System</b>	Send post-BVT, post-sweep balance corrections for all effected accounts, considering BVT adjustments to Core Banking System

System will process BVT only for Value Date based sweeps.

Whenever a BVT transaction hits an account, the corresponding Account that was active on that effective date is taken into consideration for pre-liquidity management and post- liquidity management balances.

### **Relay of Sweeps**

Replay of sweeps will be an internal process to Oracle Banking Liquidity Management and are carried out in the following manner:

- All the sweep transactions, if any, of affected structures are to be reversed on the BVT date
- Considering the BVT sweep adjustments, the System will replay all the sweeps in order to ensure that value dated balances for Parent Account as well as other Child Accounts in the structure are correctly updated
- Considering the updated System account balances, the system will reverse the sweep transactions, including the reverse sweeps, and then replay the sweep cycle till the current processing date
- Replayed sweeps (re-booked entries) will have the booking date as the processing date (date on which BVT is processed which would be the current system date for the account) and the value date will be in back period
- While processing multiple BVT entries for an account the system will start processing the BVTs from the earliest value date.
- The Post Sweep Balances are updated accordingly for the Account + Effective Date + Account Combination

The accounting entries hand off to the core banking system will be done according to the payment instruction maintenance parameters maintained at the branch level.

### **Pool Structures**

For pooling structured affected by BVT transactions, system will get all the contribution made to the LM contributions table from the BVT date and adjust the contribution table for all the structures which had BVT accounts.

### **Multi Currency**

While replaying sweep instructions, system considers exchange rates for the date in the back period, where cross currency sweeps are involved

### **BVT with Structural Changes**

While replaying sweep instructions, system considers appropriate historic structures

## 11 Withholding Tax

Withholding Tax can be configured on Interest Paid on Oracle Banking Liquidity Management accounts. This will cater to the regulatory needs in WHT applicable regions

WHT can be configured on following accounts:

- Accounts in Oracle Banking Liquidity Management with IC computed on the accounts but not part of structure
- Notional Pool structure – Interest method
- Notional Pool structure – Advantage method

### 11.1 Oracle Banking Liquidity Management Accounts with IC:

Oracle Banking Liquidity Management accounts with IC should be mapped with two formulas (one Credit/Debit formula for computing Interest and another Debit formula for computing Tax)

System will perform interest calculation as well as compute Tax on the same. As per the liquidation cycle maintained in the system, Oracle Banking Liquidity Management will do the Interest and Tax postings to DDA

In case of negative interest, WHT will not be applicable

The Interest Payable GL (Credit Interest), Interest Receivable GL (Debit Interest) and the Tax Payable GL (WHT) along with the accounting will be maintained in the system

### 11.2 Pool Interest Method

For Pool Interest method, IC and WHT configuration should be done on the Notional Header Account of the Pool

The notional header will be mapped to IC product with 2 formulae (one Credit/Debit formula for computing Interest and another Debit formula for computing Tax)

System will perform interest calculation as per the Balance on the Header Account as well as compute Tax on the same

The Interest Payable GL (Credit Interest), Interest Receivable GL (Debit Interest) and the Tax Payable GL (WHT) along with the accounting will be maintained in the system. The Bridge GL for interest will be maintained in the Third-Party Account maintenance screen as usual

Oracle Banking Liquidity Management will do Tax distribution to child accounts using the same method as what is used for Interest Reallocation. As per the liquidation cycle maintained, system will do the Interest and Tax postings to DDA

Tax will be paid to government from the Notional account in the Jurisdiction of the Notional account

In case of negative interest, WHT will not be applicable

### 11.3 Advantage Method

For Pool Advantage method, Oracle Banking Liquidity Management accounts (Child Accounts) with IC should be mapped with two formulas (one Credit/Debit formula for computing Interest and another Debit formula for computing Tax)

System will perform interest calculation as well as compute Tax on the same. As per the liquidation cycle maintained in the system, Oracle Banking Liquidity Management will do the Interest and Tax postings to DDA

The Interest Payable GL (Credit Interest), Interest Receivable GL (Debit Interest) and the Tax Payable GL (WHT) along with the accounting will be maintained in the IC sub system

#### 11.3.1 Reallocation of Advantage

To reallocate advantage interest along with tax, the Notional header should be mapped to a specific IC Product

The IC product rule would be as follows

<b>Header IC Setup (Group – HDG1 Product HED1)</b>			
VD_DLY_CR_BAL_M >0	IC_VD_CR_BAL*CR_RATE	Credit Interest Pool Level Non Booked	FRM1
VD_DLY_DR_BAL_M >0	IC_VD_DR_BAL*DR_RATE	Debit Interest Pool Level Non Booked	FRM2
FRM_1>0	FRM1-CHILD_SUM_INT	Net Credit Interest – Advantage	FRM3
FRM_2>0	FRM2-CHILD_SUM_INT	Net Debit Interest – Advantage	FRM4
FRM_3>0	FRM_3*TAX	Tax for Credit	FRM5
FRM_4>0	FRM_4*TAX	Tax for Debit	FRM6

Below is an example of IC Rule setup done for calculation of credit interest and tax over the same

**Figure 79: Rule Maintenance Summary**

Rule Maintenance Summary

Rule Id: DR04 Rule Description: WHT RULE

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User Element Window

<input type="checkbox"/>	UDE Id	Description	Type	Get Latest
<input type="checkbox"/>	DRATE1	RATE 30%	Rate	Use Effective
<input type="checkbox"/>	DTAX1	RATE 10%	Rate	Use Effective

Page 1 of 1 (1-2 of 2 items)

System Element Window

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Formula Window

Add Formula

<input type="checkbox"/>	Formula Type	Formula No	Accruals Required	Rounding Required	Book Flag	Days In A Month	Periodicity	Days In A Year
<input type="checkbox"/>	Credit Formula	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Booked	Actual	Daily	Actual
<input type="checkbox"/>	Debit Formula	3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Booked	Actual	Periodic	Actual
<input type="checkbox"/>	Credit Formula	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Unbooked	Actual	Daily	Actual

---

Expression Window

Add Expression

<input type="checkbox"/>	Formula No	Expression	Condition	Result
<input type="checkbox"/>	1	1	VD_DLV_CR_BAL_M>0	(VD_DLV_CR_BAL_M*DAVS*DRATE1)/(YEAR*100)
<input type="checkbox"/>	3	1	FORMULA2=0	(FORMULA2*DTAX1)/100
<input type="checkbox"/>	2	1	FORMULA1=0	FORMULA1-CHILD_SUM_INT

Page 1 of 1 (1-3 of 3 items)

### 11.3.2 WHT Interest Map

There is a possibility that the child accounts are mapped to different IC products which have different formulae

These formulae may not be in the same order across products. In one product Formula Number 2 is Credit and Formula Number 3 is Debit and in another, Formula 1 is Credit and 2 is Debit

In order to properly map the constituent debits and credits to be considered for calculating the Advantage interest, a new mapping screen will be provided which will map the child account formulae to the Notional Parent

Path: Maintenance > WHT Interest Map > Create

Refer below example of WHT Interest Mapping maintained for Credit Interest

**Figure 80: With-holding Tax Advantage Interest Map**

**Table 46: With-holding Tax Advantage Interest Map – Field Description**

Field	Description
<b>Structure ID</b>	Click the Search icon and select the Pool structure ID from the LOV
<b>Pool Header Account</b>	Pool Header Account to be populated in this field
<b>Header Account IC Group</b>	IC Group of the Header Account
<b>Interest Group</b>	Account Group of the Header Account
Click on +/- to add rows and define the Header to Child account interest product mapping	

<b>Field</b>	<b>Description</b>
<b>Header Account Interest Product</b>	Mention Header Account Interest Product
<b>Child Account Interest Product</b>	Mention Header Account Interest Product
<b>Debit/Credit</b>	Select whether formula is Debit or Credit
<b>Header Formula No</b>	Mention Header Formula No
<b>Child Formula No</b>	Mention Child Formula No that should be mapped to mentioned Header Credit/Debit Formula No

Remaining process of IC Calculating and providing Interest and Tax to Oracle Banking Liquidity Management and the system doing the postings remains same for this method.

## 12 Simulation of Liquidity Structures

### 12.1 Introduction

Simulation enables the bank user to simulate the structure for the set of accounts and compare the interest earned in the accounts with and without structure for the specified period. The system generates the advice with the comparison details. If the results are satisfactory, the simulated structure can be converted to an actual structure.

This feature can be used with

1. **Existing Customer** - who already has accounts with the bank and using Liquidity Management
2. **New Customer/Prospect** - who does not have any accounts with the bank

Simulation of the liquidity structure comprised of the following stages:

- [Simulation Details with New Data](#)
- [Simulation Details with Existing Data](#)
- [Structure Details](#) – Same as explained in [Structure Maintenance](#)
- [Link Account](#) – Same as explained in [Structure Maintenance](#)
- [Structure Summary](#) – Same as explained in [Structure Maintenance](#)
- [Simulation Summary](#)

### 12.2 Simulation Details with New Data

The **Simulation Details with New Data** feature enables the Liquidity structures to be simulated for prospects whose details are not available in the system. The customer, account and balance details needed for simulation should be uploaded using appropriate File Uploads.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Structure**.
2. Under **Structure**, click **Simulation**.
3. Click **New** button to start a new simulation.

#### Prerequisites

Only if **the Prospect** is selected as **New Prospect**

→ The **Simulation Details - New Prospect** screen is displayed.

**Figure 81: Simulation Details - New Prospect**

Specify the details in the relevant data fields. Mandatory data fields are indicated with asterisk. For more information on fields, refer to the field description table below.

**Table 47: Simulation with New Data – Field Description**

Field	Description
<b>Simulation ID</b>	Displays the simulation ID which is auto generated.
<b>Structure ID</b>	Displays the structure ID which is auto generated.
<b>Effective Date</b>	Specify the date from when the simulation structure becomes effective. This date cannot be less than the system date but can be a future date.
<b>End Date</b>	Specify the date till when the simulation structure is effective. This date should always be greater than the effective date.
<b>Prospect</b>	Select the type of prospect as <b>New Prospect</b> .
<b>Upload Customer Data</b>	Click on <b>Drop file or click to upload</b> to select the file and click <b>Upload Customer Data</b> to upload the file.

Field	Description
<b>Upload Account Data</b>	Click on <b>Drop file or click to upload</b> to select the file and click <b>Upload Account Data</b> to upload the file.
<b>Upload Account Balance</b>	Click on <b>Drop file or click to upload</b> to select the file and click <b>Upload Account Balance</b> to upload the file.
<p>Click  to add the account details.</p> <p>Click  to edit the account details.</p> <p>Click  to delete the row.</p>	
<b>Account Number</b>	Displays the account number as given in the uploaded templates. This field is editable.
<b>Account Description</b>	Displays the account description as given in the uploaded templates. This field is editable.
<b>Branch Code</b>	Displays the branch code as given in the uploaded templates. This field is editable.
<b>Entity ID</b>	Displays the entity ID as given in the uploaded templates. This field is editable.
<b>Entity Name</b>	Displays the entity name as given in the uploaded templates. This field is editable.
<b>Currency</b>	Displays the currency as given in the uploaded templates. This field is editable.
<b>IC Account Group</b>	Click <b>Search</b> icon and select the IC Account Group.

4. Click **Next** button to start creating the structure. The simulation structure can be created like the actual account structure by providing the required details in the below screens.
  - Structure Details
  - Link Account
  - Structure Summary

**NOTE:** For more information on **Structure Maintenance** screen, refer to [Chapter 7 Structure Maintenance](#).

Once the simulation structure is created, click **Next** button to move to the **Simulation Summary** screen.

5. Click **Save and Close** to save and close the Simulation details.
6. Click **Cancel** to discard the changes.

### 12.3 Simulation Details with Existing Data

The **Simulation Details with Existing Data** feature enables the user to use the existing data and generate structures.

1. On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Structure**.
2. Under **Structure**, click **Simulation**.
3. Click **New** button to start a new simulation.

#### Prerequisites

Only if the **Prospect** is selected as **Existing Customer**

→ The **Simulation Details – Existing Customer** screen is displayed.

**Figure 82: Simulation Details – Existing Customer**

Specify the details in the relevant data fields. The fields marked with asterisk are mandatory. For more information on fields, refer to the field description table below.

**Table 48: Simulation with Existing Customer – Field Description**

Field	Description
<b>Simulation ID</b>	Displays the simulation ID which is auto generated.
<b>Structure ID</b>	Displays the structure ID which is auto generated.
<b>Effective Date</b>	Specify the date from when the simulation structure becomes effective. This date cannot be less than the system date but can be a future date.
<b>End Date</b>	Specify the date till when the simulation structure is effective. This date should always be greater than the effective date.
<b>Prospect</b>	Select the type of prospect as <b>Existing Customer</b> .
<b>Customer ID</b>	Click <b>Search</b> icon and select the customer ID from the list.
<b>Customer Name</b>	Displays the name of the customer based on the customer ID selected.
<b>Link Account</b>	Click  icon and select the accounts to participate in structure.
	<p>Click  to add the account details.</p> <p>Click  to edit the account details.</p> <p>Click  to delete the row.</p>
<b>Account Number</b>	Displays the account number based on the participating accounts selected. This field is editable.

Field	Description
<b>Account Description</b>	Displays the account description based on the participating accounts selected. This field is editable.
<b>Branch Code</b>	Displays the branch code based on the participating accounts selected. This field is editable.
<b>Entity ID</b>	Displays the entity ID based on the participating accounts selected. This field is editable.
<b>Entity Name</b>	Displays the entity name based on the participating accounts selected. This field is editable.
<b>Currency</b>	Displays the currency based on the participating accounts selected. This field is editable.
<b>IC Account Group</b>	Click <b>Search</b> icon and select the IC Account Group.

4. Click **Next** button to start creating the structure. The simulation structure can be created like the actual account structure by providing the required details in the below screens.
  - Structure Details
  - Link Account
  - Structure Summary

**NOTE:** For more information on **Structure Maintenance** screen, refer to [Chapter 7 Structure Maintenance](#).

Once the simulation structure is created, click **Next** button to move to the **Simulation Summary** screen.

5. Click **Save and Close** to save and close the Simulation details.
6. Click **Cancel** to discard the changes.

## 12.4 Simulation Summary

The **Simulation Summary** feature enables the user to simulate the structure for the selected simulation period and calculate the interest.

1. Click **Next** button on the **Structure Summary** screen.

→ The **Simulation Summary** screen is displayed.

**Figure 83: Simulation Summary**

Specify the details in the relevant data fields. The fields marked with asterisk are mandatory. For more information on fields, refer to the field description table below.

**Table 49: Simulation Summary – Field Description**

Field	Description
<b>Simulation From Date</b>	Select the date from when the data has to be simulated.
<b>Simulation To Date</b>	Select the date till when the data has to be simulated. The To date should be more than the From date.

2. Click **Generate Advice** to generate the simulation advice.

**Liquidity Management Benefit Advice** is generated in PDF format and will have the following details.

- Interest income earned for the simulation period based on the IC Group mapped.
- Interest income earned for the simulation period as a part of the structure.

The user can compare and arrive at the benefit of having the participating accounts in structure.

3. Click **Create Structure** to convert the simulated structure into an actual structure.

Once the simulated structure is initiated, the structure goes through the authorization process and on appropriate approval becomes an actual structure.

**NOTE:** The simulated structure is converted to actual structure only for the existing customers and their accounts.

## 12.5 Simulation File Upload

Simulation for New Prospect requires the following file uploads to simulate the structure.

**File Type Supported:** CSV & TXT

The Simulation File Uploads are as follows:

- Customer Data
- Account Data
- Account Balance

### 12.5.1 Customer Data

**Customer Data Template:**

LMPROSPECT~CustomerID~CustomerName~BranchCode~BankCode~ParentCustomerID~Address~Source\_Customer\_ID~Source\_System~Short\_Name~Customer\_Type~Customer\_Category~Relationship\_Manager\_ID~Address\_Line\_1~Address\_Line\_2~Address\_Line\_3~Address\_Line\_4~Country~Postal\_Code~Deceased~Frozen~Whereabouts\_Unkown~Sanction\_Check\_Required~Walk-in Customer~Language~Nationality~LMPROSPECT

**Sample:**

LMPROSPECT~P0001~TATAGROUP~APQ~0020~P0001~ADDR1~P0001~OBLMUI~TATAGROUP~I~~BIBILU~ADDR1~ADDR2~ADDR3~ADDR4~USA~~N~N~N~N~ENG~USA~LMPROSPECT

## 12.5.2 Account Data

### Account Data Template:

LMSIACCOUNT~AccountNumber~CustomerName~CustomerId~AccountDescription~AccountResidentType~Accountstatus~AccountType~ExternalAccount~Currency~IBAN~BranchID~BranchDescription~AllowUnlimitedDebit~Account\_category~CurrentBalance~LastUpdatedOn~NotionalPooling~Source\_Customer\_Account~Address\_Line\_1~Address\_Line\_2~Address\_Line\_3~Address\_Line\_4~Country~No\_Credit~NoDebit~Blocked~Frozen~Dormant~ExternalCreditApproval\_Required~ExternalCreditApprovalSystem~Host\_Code~Account\_Open\_Date~Account\_Class~Group\_Code~LMSIACCOUNT

### Sample:

LMSIACCOUNT~ACUSD0001~TATAGROUP~P0001~Tataaccount01~R~A~S~Internal~GBP~0000~APQ~DEB BRANCH~Y~S~0~2018-11-30~N~ACUSD0001~addr1~addr2~addr3~addr4~USA~N~N~N~N~N~N~HOST1~FCUBS~2021-04-01~~~LMSIACCOUNT

## 12.5.3 Account Balance

### Account Balance Template:

LMSIVDBALANCE~ACC\_NO~CCY~BRANCH\_CODE~ACY\_AVL\_BAL~VALUE\_DT~LMSIVDBALANCE

### Sample:

LMSIVDBALANCE~ACUSD0001~GBP~APQ~1000~2021-04-22~LMSIVDBALANCE

## 13 Dashboards

### 13.1 Introduction

The global liquidity management dashboard provides various information to the user who logs in based on the role associated. The key features of the dashboard are as follows.

- Easy access to alerts and exceptions based on the role.
- Easy view of the data of the customers.
- Summary of the transactions for bank managers to view logically categorized applications for easy analysis and processing

You can view the following Dashboards based on the 'User Role' you are mapped to:

- Banker dashboards
- RM/Corporate dashboard

Every LM will have a factory shipped branch called the LMB branch in which the currency exchange rates are maintained. All the currencies shown in the dashboard are converted based on these rates.

The following sections explain, in detail, the features associated with each Dashboard, the groups, and the 'User Role' associated with each group

### 13.2 Banker Dashboard

In the Banker Dashboard, the application allows you to do the following:

- View a system wide summary of the LM transactions as well as system alerts and exceptions based on the role.
- View the data of all the customers you have access to.

Various widgets for bankers are discussed under the following headings.

#### Alerts

This widget displays the system alerts generated by all the maintenance screens to the banker. This real time notification to the banker can reduce the turnaround time on roadblocks.

#### Currency Wise Liability

This widget displays the currency wise liability balances across regions in five main currencies (USD, EUR, GBP, JPY and SGD). This is shown as a bar graph. You can view the balances by hovering over the graph.

This gives a ready reference on regional currency positions for FX planning.

### Top Five Customers Balances

This widget lists the top five customers based on the total available balance. The balances are segregated for sweep structures and pool structures and the cumulative balances are shown for both.

This helps to identify the top liquidity customers in a period and strategize the sale and customer retention accordingly.

The various columns in the widget are as below:

Column	Description
Customer	Displays the customer name
Amount	Displays the balance amount of the customer
Currency	Displays the currency of the balance amount

### Top Five Customers - Sweep Volume in Numbers

This widget displays the most active sweep customers for the day. It can help in estimating revenue from each customer when charges are sweep based.

The various columns in the widget are as below:

Column	Description
Entity ID	Displays the entity ID
Name	Displays the name of the Customer
Count	Displays the count of sweeps

### Top Five Cross Border Sweeps

This widget displays the top five cross border sweeps for the day in terms of sweep amount. You can drill down and view the details of the sweep.

The various columns in the widget are as below:

Column	Description
Structure ID	Displays the Structure ID
From Account	Displays the account number from which the sweep was done
Amount	Displays the amount in the account
To Account	Displays the account number to which the sweep was done
Amount	Displays the amount in the account

### Pending Task

This widget lists all the pending authorization tasks. You can drill down the list to view the authorization screen. This helps to prioritize and ascertain the authorizations.

### Exception List

This widget lists out all the exceptions encountered for the day and pending for clearance.

## 13.3 RM Dashboard

Click the RM Dashboard tab on the screen. The system displays the list of customers. Select the customer for which the dashboard is to be displayed by clicking the 'Select' link. The dashboard for the selected customer will be displayed.

RM dashboard allows you to view summary of LM transactions and relevant system alerts Various dashboards for corporate are discussed under the following headings.

### Account Map

In this widget, you can view the currency wise balances of a corporate across all structures in a location. You can hover over the dots in a region to see the balances.

The color of the dots is different depending on the balances.:

Color of the Dot	Description
Green	The location has positive balances across the currencies
Amber	The location has both positive and negative balances across the currencies
Red	The location has negative balances across the currencies

### Currency Balances - Past 30 days

This widget displays the corporate currency wise total positions on a day for the past 30 days. The currency balance refers to the EOD balances

This will help to ascertain the global currency positions of the corporate and the changes in currency positions

**Scheduled Sweeps - Today**

This widget displays the list of sweeps scheduled for the day. The scheduled sweeps will be displayed as per the logged in user's time zone.

The various columns in the widget are as below:

<b>Column</b>	<b>Description</b>
Structure ID	Displays the Structure ID
Child Account	Displays the child account number
Parent Account	Displays the parent account number
Instruction	Displays the instruction that the pair is assigned

## 14 Advices

### 14.1 Introduction

Advices allow you to generate the information on the various operations of the system. This chapter describes the various advices which can be generated using the Oracle Banking Liquidity Management.

### 14.2 Generating Advices

You can generate the various advices using the advices screen.

- On **Home** screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Advices**.

→ The **Advices** screen is displayed.

**Figure 84: Advices**

The screenshot shows a web interface titled "Advices". It contains a form with the following fields:
 

- Advice Name \***: A dropdown menu with "Select an option" as the placeholder.
- Template \***: A text input field.
- Format \***: A dropdown menu with "pdf" selected.
- Customer ID \***: A text input field with a search icon.
- Structure ID**: A text input field with a search icon.
- Structure Type**: A dropdown menu with "Select an option" as the placeholder.
- From Date \***: A date picker field.
- To Date \***: A date picker field.

 At the bottom of the form is a green button labeled "Generate".

Specify the following general details:

**Table 50: Advices – Field Description**

Field	Description
<b>Advice Name</b>	Select the name of the advice to be generated from the dropdown list. The available options are: <ul style="list-style-type: none"> <li>• Interest Re-allocation Advice</li> <li>• Interest Paid Advice</li> </ul>
<b>Template</b>	The system displays the template of the advice based on the report to be generated.
<b>Format</b>	The advices are always generated in PDF format.

- On the **Advices** screen, the user can select the required advice from **Advice Name** drop down.
- Click **Generate** to generate the advices for specific customer, structure id and date range.

## 14.2.1 Interest Re-allocation Advice

This advice provides details for interest reallocation for specific Customer and Structure ID. You can view it as Daily advice and Range advice. Invoke the **Advice** screen and select the Advice Name as 'Interest Re-allocation Advice'.

Specify the following details:

**Table 51: Interest Re-allocation Advice – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the customer ID for which the advice is to be generated from the list. The list displays all the customer IDs maintained in the system.
<b>Structure ID</b>	Click the search icon and select the structure ID for which the advice is to be generated from the list. The list displays all the structure IDs maintained in the system.
<b>Structure Type</b>	Select the Structure Type for the selected Structure ID. The available options are: <ul style="list-style-type: none"> <li>• All</li> <li>• Sweep</li> <li>• Pool</li> <li>• Hybrid</li> </ul>
<b>From Date</b>	Specify the start date from when to generate the advice.
<b>To Date</b>	Specify the end date till when to generate the advice.
Click <b>Generate</b> . The advice will be generated as below	
<b>Customer ID</b>	Display the Customer ID
<b>Structure ID</b>	Display the Structure ID

<b>Field</b>	<b>Description</b>
<b>Structure Type</b>	Display the Structure Type
<b>From Date</b>	Display the From Date
<b>To Date</b>	Display the To Date
<b>Header details</b>	
<b>Header Account Number</b>	Display the Header Account Number
<b>Header Account Branch</b>	Display the Header Account Branch
<b>Header Account Currency</b>	Display the Header Account Currency
<b>Total Interest Amount Paid</b>	Display the Total Interest Amount Paid
<b>Interest Amount Currency</b>	Display the Interest Amount Currency
<b>Interest Payment Date</b>	Display the Interest Payment Date
<b>Report details</b>	
<b>Re-allocation Parent</b>	Display the Re-allocation Parent
<b>Account Number</b>	Display the Account Number
<b>Parent Account</b>	Display the Parent Account
<b>Branch</b>	Display the Branch
<b>Parent Account</b>	Display the Parent Account
<b>Currency</b>	Display the Currency

<b>Field</b>	<b>Description</b>
<b>Child Account</b>	Display the Child Account
<b>Number</b>	Display the Number
<b>Child Account</b>	Display the Child Account
<b>Branch</b>	Display the Branch
<b>Reallocated</b>	Display the Reallocated
<b>Amount CCY</b>	Display the Amount CCY
<b>Exchange</b>	Display the Exchange
<b>Rate</b>	Display the Rate
<b>Interest Amount</b>	Display the Interest Amount
<b>Reallocated</b>	Display the Reallocated
<b>Execution Date Reallocation Type</b>	Display the Execution Date Reallocation Type

## 14.2.2 Interest Paid Advice

This advice provides details for interest paid for specific to Customer and Structure ID. You can view it as Daily advice and Range advice. Invoke the **Advice** screen and select the advice name as 'Interest Paid Advice'.

Specify the following details:

**Table 52: Interest Paid Advice – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the customer ID for which the advice is to be generated from the list. The list displays all the customer IDs maintained in the system.
<b>Structure ID</b>	Click the search icon and select the structure ID for which the advice is to be generated from the list. The list displays all the structure IDs maintained in the system.
<b>Structure Type</b>	Select the Structure Type for the selected Structure ID. The available options are: <ul style="list-style-type: none"> <li>• All</li> <li>• Sweep</li> <li>• Pool</li> <li>• Hybrid</li> </ul>
<b>From Date</b>	Specify the start date from when to generate the advice.
<b>To Date</b>	Specify the end date till when to generate the advice.
Click <b>Generate</b> . The report will be generated as below	
<b>Customer ID</b>	Display the Customer ID
<b>Structure ID</b>	Display the Structure ID

<b>Field</b>	<b>Description</b>
<b>From Date</b>	Display the From Date from when to generate the advices.
<b>To Date</b>	Display the To Date from when to generate the advices.
<b>Report details</b>	
<b>Account Number</b>	Display the Account Number
<b>Account Currency</b>	Display the Account Currency
<b>Account Branch</b>	Display the Account Branch
<b>Structure ID</b>	Display the Structure ID
<b>Product</b>	Display the Product
<b>Re-Allocation Type</b>	Display the Re-Allocation Type
<b>Residual Balance Interest Type</b>	Display the Residual Balance Interest Type
<b>Interest Amount for Residual Balances</b>	Display the Interest Amount for Residual Balances
<b>Interest Liquidation Date</b>	Display the Interest Liquidation Date
<b>Re-allocated Interest Type</b>	Display the Re-allocated Interest Type
<b>Re-allocated Interest Amount</b>	Display the Re-allocated Interest Amount
<b>Interest Re-allocation date</b>	Display the Interest Re-allocation date

## 15 Real Time Liquidity Management

### 15.1 Introduction

In the Real Time Liquidity Structure when a participant account does not have sufficient balance to honor the incoming debits based on its own balances, the said account would be funded by the other participant accounts on a Real Time basis based on certain pre-defined rules provided the contribution accounts are themselves having the balance.

### 15.2 Structure Maintenance

#### 15.2.1 Structure Creation

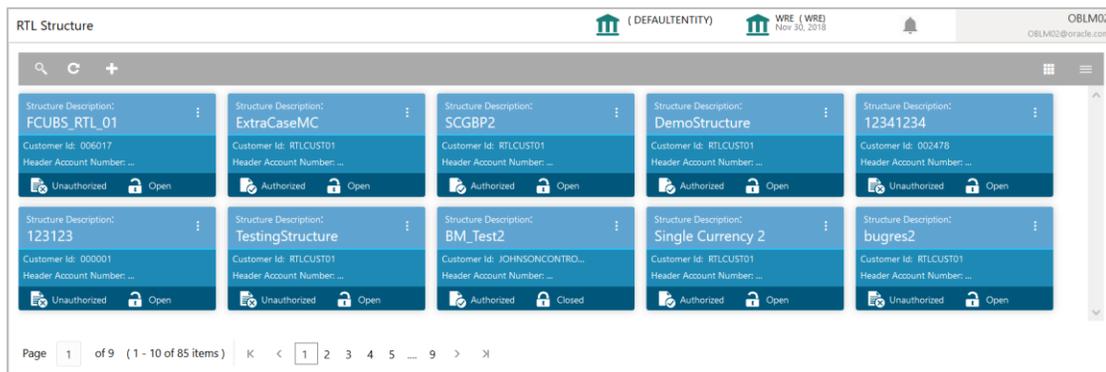
Structure creation system allows you to

- Create Structures
- Add Accounts to Structure
- Create Groups for the Accounts

System allows you to add as many accounts and create as many groups as required.

You can invoke the 'RTL Structure' page by clicking on the 'Structure' menu under "Oracle Bank Liquidity Management System".

**Figure 85: RTL Structure**



Click "+" button to add a new structure.

**Figure 86: Structure Details**

The screenshot shows the 'Structure Creation' window with the 'Structure Details' tab selected. The form contains the following fields and values:

- Customer ID:** DEVTESTCUST1
- Customer Name:** DEVTESTCUST1
- Structure ID:** RTL10623
- Structure Description:** DEVRTLSTRUCT1
- Start Date:** Oct 7, 2019
- End Date:** Dec 31, 2019
- Currency Type:** Single (selected), Multi
- Header Account:** DEVCUSTACC5
- Description:** DEVCUSTACC5
- Currency:** GBP
- Branch:** ABC
- Rate Type:** Standard
- Rate Pickup:** Offline
- Process On Currency Holidays:** (toggle is off)
- Currency Holiday Rate:** *Select Currency Holiday Rate*
- Status:** Active (selected), Pause, Expired
- Version:** 1

Specify the following details:

**Table 53: Structure Details – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the customer ID (from the existing list of customers) by clicking magnifying glass icon.
<b>Customer Name</b>	After selecting the customer ID, the customer name will be automatically populated.
<b>Structure ID</b>	The structure ID will be generated by the system. The automatically generated ID will be displayed here.
<b>Structure Description</b>	Any brief description of the structure under consideration can be entered in this field.
<b>Start Date</b>	Select the date from when the structure should start participating into Real time liquidity related activities.
<b>End Date</b>	Select the date after which the structure will stop participating.

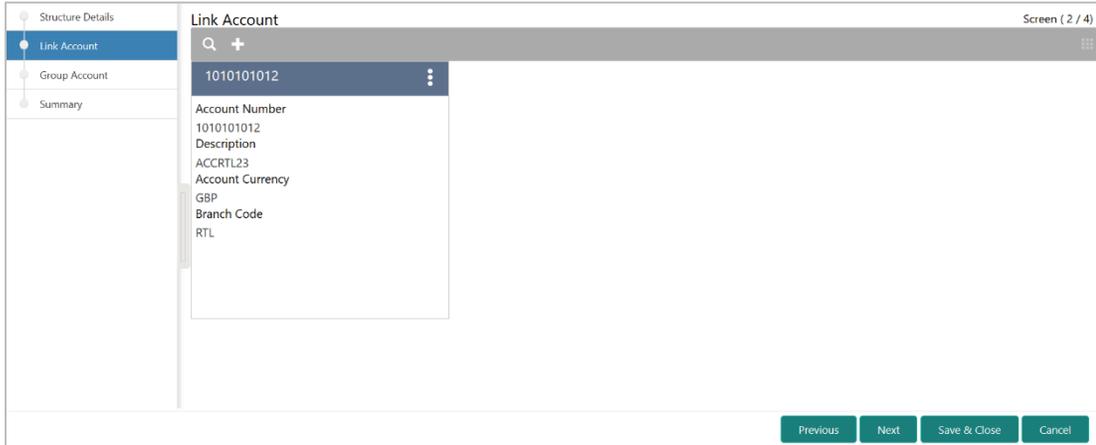
Field	Description
<b>Currency Type</b>	<p>There are two choices:</p> <ul style="list-style-type: none"> <li>• Single: If this option is selected, the participating accounts having same currency as of header account will be able to participate.</li> <li>• Multi: If this option is selected, the participating accounts can have a currency different from the header account.</li> </ul>
<b>Header Account</b>	Click the search icon and select the account (for the selected customer) to act as a header in structure hierarchy.
<b>Account Name</b>	The account name will be automatically populated based on header account selection.
<b>Header Currency</b>	The currency of the selected header account will be populated.
<b>Header Branch</b>	The branch code of the selected header account will be populated here.
<b>Rate Type</b>	The rate type is always standard
<b>Rate Pickup</b>	<p>This field will be enabled only if the “Currency Type” is “Multi”. The options are</p> <ul style="list-style-type: none"> <li>• Offline: The currency conversion rate will be picked up from already updated tables</li> <li>• Online: As of now, this option is not supported by the system.</li> </ul>
<b>Process on Currency Holidays</b>	This field will be enabled only if the “Currency Type” is “Multi”. The options are “Yes” (switch ON) and “No”.

Field	Description
<b>Currency Holiday Rate</b>	<p>This field will be enabled only if the “Currency Type” is “Multi”. The options are</p> <ul style="list-style-type: none"> <li>• Previous Day: The previous working day rate will be applicable for currency conversion.</li> <li>• Average Rate: The average rate calculated by the system will be applicable.</li> </ul>
<b>Status</b>	<p>Following are the options.</p> <ul style="list-style-type: none"> <li>• Active: This is a default selection. It means that the structure will actively participate in real time liquidity activity during the period (between start and end date of structure).</li> <li>• Pause: The user can pause the structure.</li> <li>• Expired: This is non-editable field. This option will be automatically defaulted by the system when the current date goes beyond structure end date. To restore the previous status of structure (either active or pause), the user has to change the end date in future. i.e. Beyond current date.</li> </ul>
<b>Version</b>	<p>This is managed by system. This indicates no. of modifications done to structure.</p>

## 15.2.2 Accounts Addition

While creating the structure, the next step is to add accounts into the structure from the existing list of accounts in DDA for that particular customer.

**Figure 87: Link Account**



**Table 54: Link Account – Field Description**

Field	Description
<b>Account Number</b>	Displays the account number.
<b>Description</b>	Displays the description of the account.
<b>Account Currency</b>	Displays the currency of the account.
<b>Branch Code</b>	Displays the branch code of the account.

The “+” button on Link Accounts screens allow user to add an account into the structure.

**Figure 88: Link Account Popup**

**Table 55: Link Account Popup – Field Description**

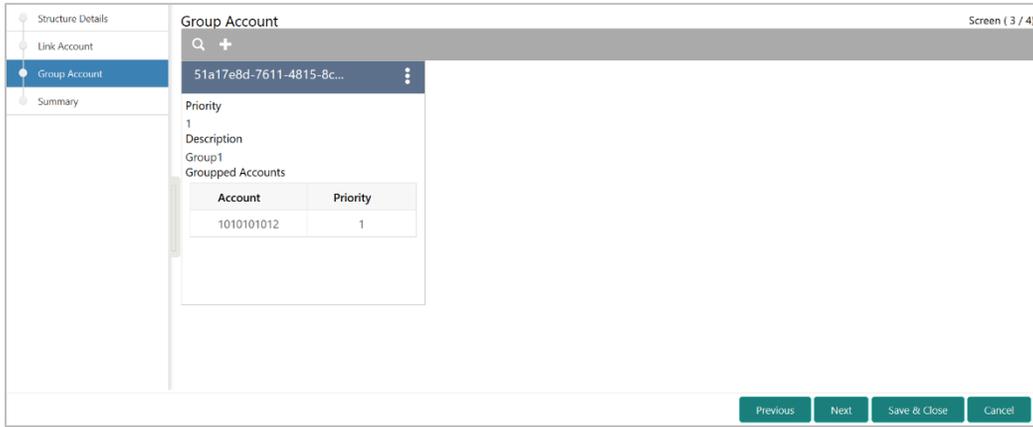
Field	Description
<b>Account</b>	Click the search icon and select the account from the list of accounts (belonging to selected customer) in structure hierarchy.
<b>Account Name</b>	Displays the name of the account.
<b>Subscription Start Date</b>	Select the date from when the account will start participating in the structure.
<b>Subscription End Date</b>	Select the date till when the account will stop participating in the structure.
<b>Suspension Start Date</b>	Select the date from when the account will be temporarily suspended from the structure.
<b>Suspension End Date</b>	Select the date from when the account will start participating in the structure. Once again. i.e. After temporary pause

<b>Field</b>	<b>Description</b>
<b>Sublimit Amount</b>	Specify the maximum amount (applicable for period defined by "Sublimit Frequency") that the participant account will contribute to the structure
<b>Sublimit Currency</b>	Displays the currency of the selected account.
<b>Sublimit Frequency</b>	Select the frequency (duration) for which the sublimit amount will be applicable.
<b>Sublimit Frequency Start Date</b>	Select the date from when the sublimit will be applicable for the period.
<b>Sublimit Frequency End Date</b>	Select the date from when the sublimit will cease to apply.
<b>Sublimit Utilization</b>	Once the system processes Real Time liquidity, for the accounts which have sublimit defined, this field will display the sublimit amount that is utilized during the processing.

### 15.2.3 Group Creation

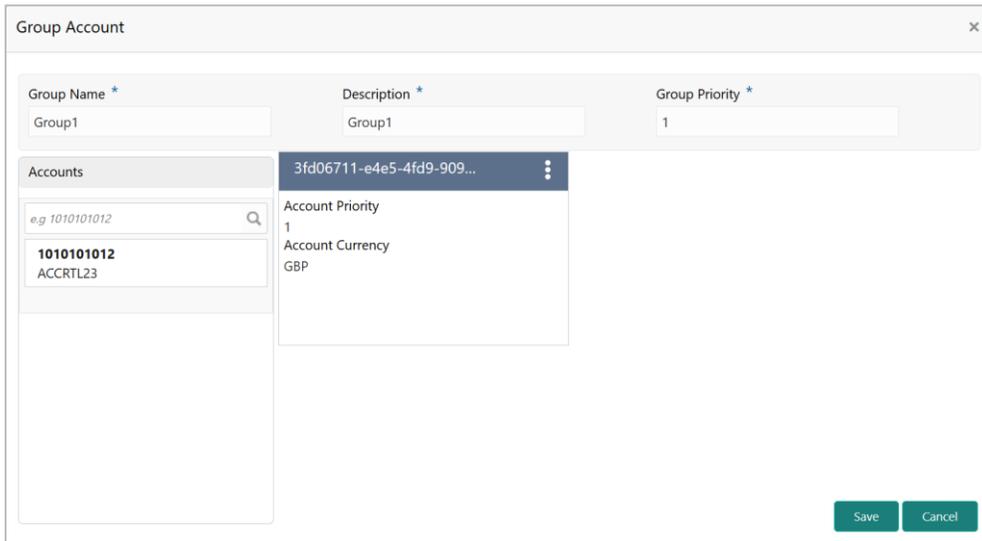
After adding accounts to structure, the next step is to group these accounts.

**Figure 89: Group Account**



The “+” button on Group Accounts screens allow user to add an account into the structure.

**Figure 90: Group Account Popup**



**Table 56: Group Account Popup – Field Description**

Field	Description
Group Name	The user can specify the name of the group.
Description	The user can specify the description of the group.

Field	Description
Group Priority	The RTL process will be executed based on the given priority. Lower the number, higher is the priority.

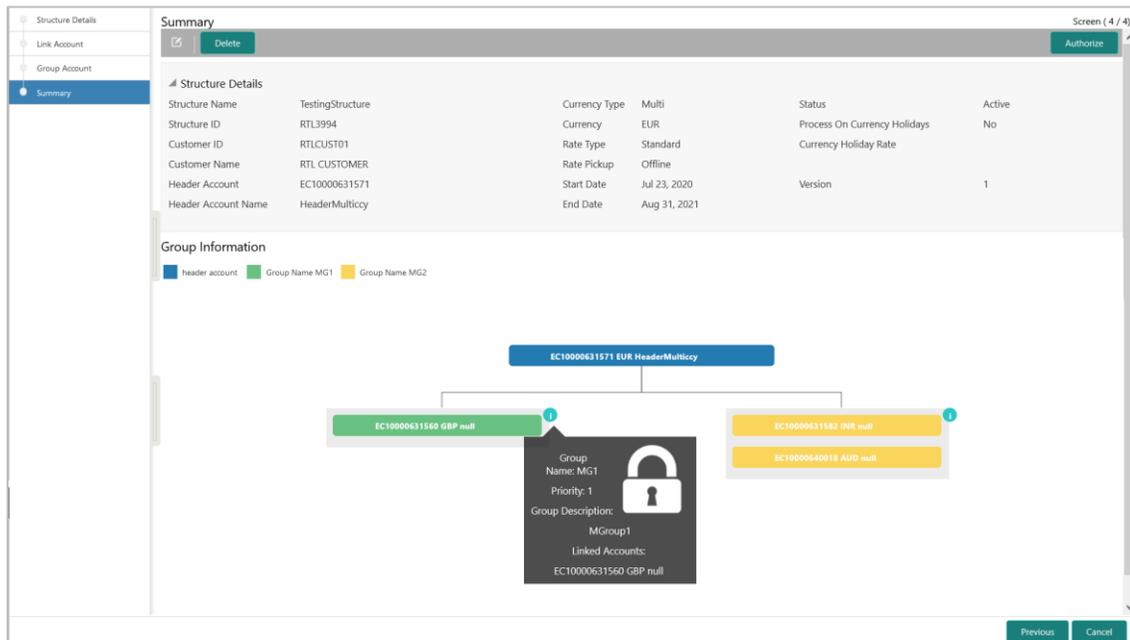
On the left side of this screen, there is a list of accounts; which are added to the structure. The user can select the account to be added into the group.

While adding the account into the group, the priority of the account (within the group) can be specified. Once the account is added into the group, the same cannot be added in the same or any other group again within that structure.

### 15.2.4 Summary

As a last step of a structure creation process, the user can view the structure hierarchy (along with important structure attributes) in the **Summary** screen before finalizing the structure.

**Figure 91: Summary**



Click on the info button in tree hierarchy will display the following details of the account – Group Name, Priority, Group Description, Linked Accounts.

## 15.3 RTL Flow

### Initiation of Real Time Liquidity

RTL execution kick starts whenever DDA sends a request for certain amount for an account.

#### 15.3.1 Initiate RTL Block

- This is the API exposed by Oracle Banking Liquidity Management to block the requested amount.
- DDA will invoke InitiateRTLBlock on the Account for which it requires the amount, with partial required as 'Y'.
- Oracle Banking Liquidity Management will fetch the RTL structure with Header Account based on the Account send by the DDA.
- Oracle Banking Liquidity Management will select child accounts based on the least priority and sends CreateECABlk request to the DDA to block the amount. It will continue till the requested amount is fetched or till the traversing of the child accounts is complete.

#### 15.3.2 Post RTL

- This is the API exposed by Oracle Banking Liquidity Management to credit the amount to the Header account.
- DDA will invoke PostRTL with an existing RTL reference id.
- Oracle Banking Liquidity Management will send the CreateExtAccEcaEntries request to the DDA with the credit and debit information.

#### 15.3.3 UnDo RTL

- This is the API exposed by Oracle Banking Liquidity Management to cancel the block request.
- DDA will invoke UndoRTL with an existing RTL reference id.
- Oracle Banking Liquidity Management will send CloseEcablkl request to the DDA to cancel the block placed against all the child accounts of the structure.

## 15.4 RTL Monitor

In this screen User will be able to see the RTL executions that has happened for a particular Customer Id and Structure Id in the specified date range.

**Figure 92: RTL Monitor**

**Table 57: RTL Monitor – Field Description**

Field	Description
<b>Search Criteria</b>	
User can query the RTL execution details depending on the below criteria	
<b>Customer ID</b>	Click the search icon and select the customer ID (from the existing list of customers) by clicking magnifying glass icon.
<b>Customer Name</b>	After selecting the customer ID, the customer name will be automatically populated.
<b>Structure ID</b>	Click the search icon and select the structure ID (which are linked to the selected customer ID) by clicking magnifying glass icon.
<b>Structure Description</b>	After selecting the structure ID, the structure description will be automatically populated.

<b>Field</b>	<b>Description</b>
<b>Start Date</b>	Select the date from when the RTL execution details for the particular structure ID is required.
<b>End Date</b>	Select the date till where the RTL execution details are required.
<b>Transactions</b> This table will show the details of a particular RTL transaction	
<b>RTL Reference Id</b>	This Id is generated by Oracle Banking Liquidity Management for every new RTL transaction.
<b>Date</b>	It is the transaction date for which RTL transaction took place.
<b>DDA Reference Id</b>	This is the reference Id which is generated by DDA and send in the request to Oracle Banking Liquidity Management for carrying out the RTL transactions.
<b>Header Account</b>	This is the account for which RTL transaction will be initiated by DDA. It is also the Header Account in the RTL structure for Oracle Banking Liquidity Management.
<b>Requested Amount</b>	This is the amount which is requested by the DDA for the account.
<b>Transaction Currency</b>	This is the currency of the amount which is requested by DDA.
<b>Amount Processed</b>	This is the total amount which is processed by the Oracle Banking Liquidity Management in an RTL transaction.
<b>Status</b>	This will show the status of the RTL transaction.
<b>Status Message</b>	This will be shown when the user clicks on the status column. It will show the status description of that particular status.

Field	Description
<p><b>Transaction Details</b></p> <p>This table will show the details of the accounts which were part of the RTL transaction. When the user clicks on the RTL reference Id this table will be populated automatically.</p>	
<b>Group ID</b>	This will show the group Id of the groups that are part of RTL structure and have participated in the RTL transaction.
<b>Group Description</b>	This will show the group description of the particular group Id of the RTL structure.
<b>Account Number</b>	It will show the child account number of the RTL structure.
<b>Account Description</b>	It will show the description of the child accounts.
<b>Account Currency</b>	This will show the account currency of the child accounts.
<b>Branch Code</b>	This will show the branch code of the child accounts.
<b>Branch Name</b>	It will display the name of the branch.
<b>ECA Reference Number</b>	This reference number is generated by the DDA for each block request.
<b>Amount Processed</b>	This will display the amount of each account which is processed by Oracle Banking Liquidity Management.
<b>Transaction Currency</b>	This will display the currency of the transaction which is requested by DDA.
<b>Exchange Rate</b>	This will display the exchange rate at which the conversion will take place for a multi-currency RTL structure.

## 15.5 RTL Sublimit Monitor

In this screen User will be able to view the sublimit utilization for an account participating in a given RTL Structure ID over the given period of time

**Figure 93: RTL Sublimit Monitor**

The screenshot shows the 'RTL Sublimit Monitor' application window. It features a search criteria section with the following fields: Customer ID (006016), Structure ID (RTL10383), Customer Name (CUSTRTLPR1), Account Number (2000000126), Start Date (Feb 1, 2020), and End Date (Feb 28, 2021). Below the search criteria are two tables:

Structure ID	Header Account Number	Header Account Description	Header Account Currency	Branch Code	Branch Name	Group Name
RTL10383	2000000115	ACCRTL01	GBP	RTL	RTL Branch1	NK_Group1

Account Number	Currency	Sublimit Amount	Sublimit Available	Sublimit Frequency	Limit Restoration Date
2000000126	GBP	1,000.00	990.00	Daily	2021-02-02

Transaction Date	Sublimit Frequency	Sublimit Amount	Currency	Transaction Amount	Sublimit Utilized	Sublimit Available	Status
2021-02-01	Daily	1,000.00	GBP	10.00	10	990.00	Blocked

**Table 58: RTL Monitor – Field Description**

Field	Description
<b>Search Criteria</b>	User can query the sublimit details depending on the below criteria.
<b>Customer ID</b>	Click the search icon and select the customer ID (from the existing list of customers) by clicking magnifying glass icon.
<b>Customer Name</b>	After selecting the customer ID, the customer name will be automatically populated.

Field	Description
<b>Account Number</b>	<p>Click the search icon and select the Account number (from the existing list of account) by clicking magnifying glass icon. User should select only Child account in this field as Sublimits are maintained at Child account level in RTL structure.</p> <p>In case Header account is selected in the search criteria, no sublimit data would be displayed in the results</p>
<b>Account Description</b>	After selecting the Account number, the account description will be automatically populated.
<b>Structure ID</b>	Click the search icon and select the structure ID (which are linked to the selected customer ID) by clicking magnifying glass icon.
<b>Structure Description</b>	After selecting the structure ID, the structure description will be automatically populated.
<b>Start Date</b>	Select the date from when the sublimit details are to be viewed for the mentioned account and structure id
<b>End Date</b>	Select the date till where the sublimit details are required
<p>Click <b>Fetch</b> button to get the following details</p> <p><b>Search Results</b></p> <p>This shows the details of the structure being searched</p>	
<b>Structure Id</b>	The RTL structure id that is being searched
<b>Header Account Number</b>	This is the Header account in the RTL structure that is being searched

<b>Field</b>	<b>Description</b>
<b>Header Account Description</b>	Description of the Header account in the RTL structure.
<b>Header Account Currency</b>	This is the currency of the Header Account
<b>Branch Code</b>	The Branch of the Header Account
<b>Branch Name</b>	This shows the Branch Name
<b>Group Name</b>	This the Group which the Account being searched is part of in the RTL Structure
<p><b>Current Utilization</b></p> <p>This table shows the current limit utilization details for the account being searched. The details displayed would be As on Date data for the searched account.</p> <p>If search is being performed on 5th Mar for a time period of 1st Jan till 28th Feb, this table will show the sublimit utilization details as on 5th Mar</p>	
<b>Account Number</b>	The Child Account number that is being searched
<b>Currency</b>	The Account currency
<b>Sublimit Amount</b>	The sublimit amount that is maintained on the account as on date
<b>Sublimit Available</b>	The sublimit amount that is available on the account as on date
<b>Sublimit Frequency</b>	The sublimit frequency that is maintained on the account as on date

Field	Description
<b>Limit Restoration Date</b>	The date on which the available sublimit amount will get restored based on the Sublimit Frequency maintained at the account level
<p><b>Historic Utilization</b></p> <p>This table shows the limit utilization details for the account being searched for the time period mentioned in the search criteria.</p>	
<b>Transaction Date</b>	The date on which RTL transaction had happened on the mentioned account and structure id
<b>Sublimit Frequency</b>	The Sublimit Frequency maintained on the account on the transaction date
<b>Sublimit Amount</b>	The Sublimit Amount maintained on the account on the transaction date
<b>Currency</b>	The currency of the transaction
<b>Transaction Amount</b>	The transaction amount
<b>Sublimit Utilized</b>	The sublimit that was utilized as a result of the transaction
<b>Sublimit Available</b>	The sublimit available post transaction
<b>Status</b>	Status of the transaction (Blocked, Completed, etc)

## 16 Third Party Maintenance

### 16.1 Introduction

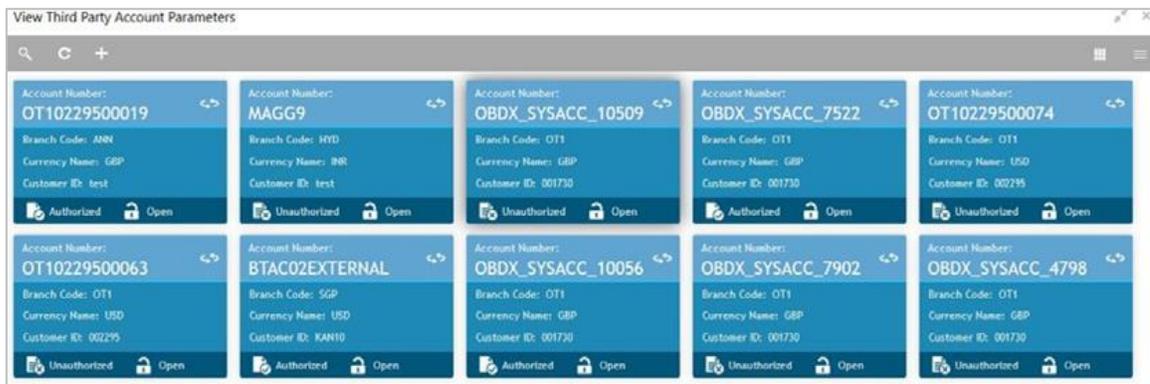
All the Third part details are maintained as part of these maintenances.

### 16.2 Maintaining Third Party Account Parameters

Third Party Account allows you to create and maintain third party account.

To view Third Party Account number, go to Oracle Banking Liquidity Management > Third Party Maintenance > Account Parameters > View Third Party Account Parameters

**Figure 94: View Third Party Account Parameters**



To create Third Party Account Number, go to Oracle Banking Liquidity Management > Third Party Maintenance > Account Parameters > Create Third Party Account Parameters

**Figure 95: Create Third Party Account Parameters**

Click on New button to add a new Third-Party Account Number. You are required to input the following

**Table 59: Create Third Party Account Parameters – Field Description**

Field	Description
<b>Customer ID</b>	Click the search icon and select the customer ID. You can select the customer ID from the option list. The list displays the external customer IDs maintained in the system.
<b>Customer Name</b>	Customer name will be auto populated once you select the customer id.
<b>Account Number</b>	Specify the account number.
<b>Account Description</b>	Specify the account description

Field	Description
<b>Branch Code</b>	Click the search icon and select the Branch code. You can select the Branch code from the option list. The list displays all the Third-party Bank's Branches furnished by the implementation Bank's customers.
<b>Branch name</b>	Branch name will be auto populated once branch code is selected.
<b>Currency Code</b>	Click the search icon and select the currency code. You can select currency code from the option list. The list displays the currency code maintained in the system.
<b>Account Type</b>	Account Type will be external by default.
<b>Notional Account</b>	Check this box to allow notional pooling for this account.
<b>Interest Payable GL</b>	Specify the Interest Payable GL.
<b>Entity ID</b>	<p>Displays the Entity ID for the selected branch.</p> <p>This field appears only if the user selects "Notional Account" as "Yes".</p> <p>This field is left blank if there are no details provided in Branch parameters.</p>
<b>Entity Name</b>	<p>Displays the Entity Name for the selected branch.</p> <p>This field appears only if the user selects "Notional Account" as "Yes".</p> <p>This field is left blank if there are no details provided in Branch parameters.</p>

<b>Field</b>	<b>Description</b>
<b>Address</b>	Specify the address of the account in the below text fields. <ul style="list-style-type: none"> <li>• Address Line 1</li> <li>• Address Line 2</li> <li>• Address Line 3</li> <li>• Address Line 4</li> </ul>
<b>Balance Type</b>	Specify the balance type.
<b>Current Balance</b>	Displays the current balance of the account.
<b>Last Updated on</b>	The system displays the date of last update.
<b>Available Balance</b>	Displays the available balance of the account.
<b>Last Updated on</b>	The system displays the date of last update
<b>No Credit</b>	Select this option to indicate that the account does not have any credit facility
<b>No Debit</b>	Select this option to indicate that the account does not have any debit facility.
<b>Blocked</b>	Select this option to indicate that the account status is blocked
<b>Frozen</b>	Select this option to indicate that the account status is frozen
<b>Dormant</b>	Select this option to indicate that the account status is dormant.
<b>IBAN</b>	Specify IBAN for the third-party account.

Field	Description
Source System ID	Specify the source system id
Location	Specify the location of the account.
Source	Source will be Oracle Banking Liquidity Management UI.

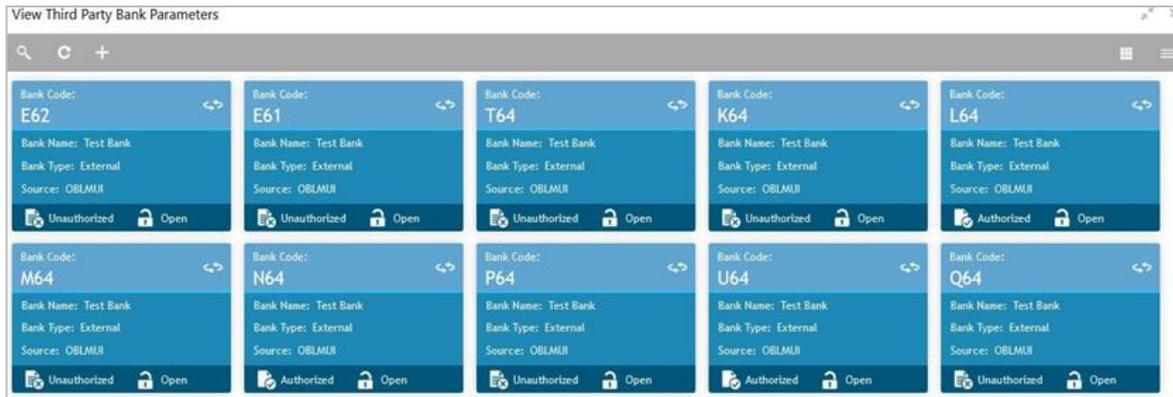
Click save to save the details. Added Account must be Authorized by different user which has the authorization role assigned.

### 16.3 Maintaining Third Party Bank Parameters

Third Party Bank parameters allows you to create and maintain third party bank parameters.

To view Third Party Bank Parameter, go to Oracle Banking Liquidity Management > View Third Party Bank Parameters.

**Figure 96: View Third Party Bank Parameters**



To create Third Party Bank Parameters, go to Oracle Banking Liquidity Management > Create Third Party Bank Parameters

**Figure 97: Create Third Party Bank Parameters**

Click on New button to add a new Third-Party Bank Parameters. You are required to input the following

**Table 60: Create Third Party Bank Parameters – Field Description**

Field	Description
<b>Bank Code</b>	Specify the bank code.
<b>Bank name</b>	Specify the bank name.
<b>Bank Type</b>	Bank type will be default as external
<b>Source</b>	Source will be by defaults as Oracle Banking Liquidity Management UI
<b>Multi Bank Cash Concentration</b>	Check this box if the selected banks are to participate in MBCC.

<b>Field</b>	<b>Description</b>
<b>BVT Allowed</b>	Check this box if selected banks allow BVT.
<b>Sweep Basis</b>	Select "Available Balance" from the dropdown. Sweep Basis specifies the balance to be consider during sweep. Application has only one option to select which is Available Balance.
<b>Available Balance Tag Absence Handling</b>	<p>User can select either of the three options - Consider Book Balance as Available / Balance / Error</p> <p>Available Balance Tag Absence Handling drives how message are to be handled if the Available Balance Tag is missing in the incoming MT message.</p> <p>It will have 2 options, "Consider Book Balance as Available Balance", if this is selected then book balance from MT message will considered as Available Balance.</p> <p>The other option is "Error" if this is selected, then message will be moved to Error status if Available Balance is not part of the incoming MT message.</p>
<b>Sweep</b>	Check this box to select domestic/cross border/cross currency in selected banks.
<b>Domestic Sweep</b>	Check this box if selected banks allow domestic sweeps.
<b>Cross Border Sweep</b>	Check this box if selected banks allow cross border sweeps.
<b>Cross Currency Sweep</b>	Check this box if selected banks allow cross currency sweeps.
<b>Pool</b>	Check this box to select domestic/cross border/cross currency in selected banks.
<b>Domestic Pool</b>	Check this box if selected banks allow domestic pool.

<b>Field</b>	<b>Description</b>
<b>Cross Border Pool</b>	Check this box if selected banks allow cross border pool.
<b>Cross Currency Pool</b>	Check this box if selected banks allow cross currency pool.
<b>Hybrid</b>	Check this box to select domestic/cross border/cross currency for selected banks.
<b>Domestic Sweep Hybrid</b>	Check this box if selected banks allow domestic sweeps hybrid.
<b>Cross Border Sweep Hybrid</b>	Check this box if selected banks allow cross border sweeps hybrid.
<b>Cross Currency Sweep Hybrid</b>	Check this box if selected banks allow cross currency sweeps hybrid.
<b>Domestic Pooling Hybrid</b>	Check this box if selected banks allow domestic pool hybrid.
<b>Cross Border Pool Hybrid</b>	Check this box if selected banks allow cross border pool hybrid.
<b>Cross Currency Pool Hybrid</b>	Check this box if selected banks allow cross currency pool hybrid.

#### **Additional Information**

Specify additional parameters if any. Click '+' to add a row and specify the Parameter, Value of the same. Click '-' to remove a row.

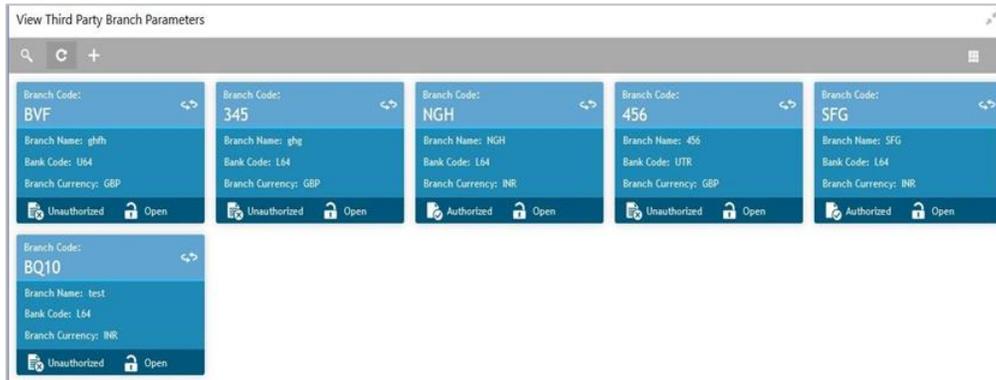
Click **Save** to save the details. Added Account must be Authorized by different user which has the authorization role assigned.

## 16.4 Maintaining Third Party Branch Parameters

Third Party Branch parameters allows you to create and maintain third party branch parameter.

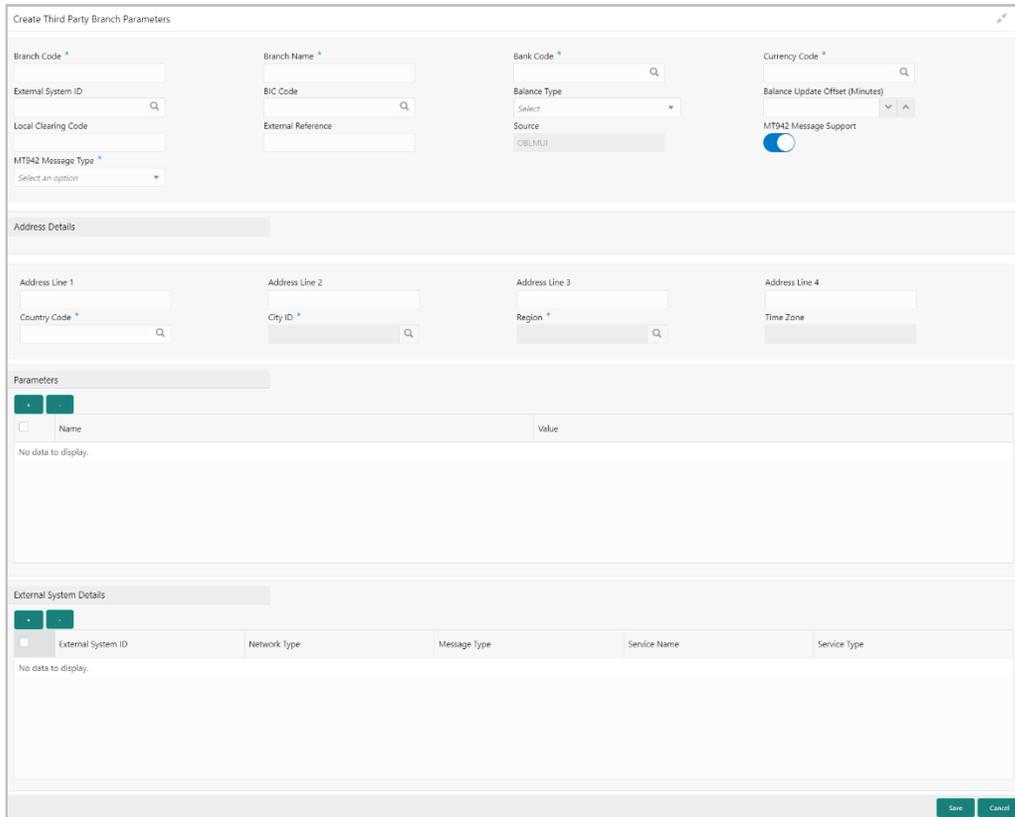
To view Third Party Branch Parameter, go to Oracle Banking Liquidity Management > Third Party Maintenance > Branch Parameters > View Third Party Branch Parameters

**Figure 98: View Third Party Branch Parameters**



To create Third Party Branch Parameters, go to Oracle Banking Liquidity Management > Third Party Maintenance > Branch Parameters > Create Third Party Branch Parameters.

**Figure 99: Third Party Branch Parameters**



Click on **New** button to add a new Third-Party Branch Parameters. You are required to input the following

**Table 61: Third Party Branch Parameters – Field Description**

<b>Field</b>	<b>Description</b>
<b>Branch Code</b>	Specify the branch code.
<b>Branch Name</b>	Specify the name of the branch.
<b>Bank Code</b>	Click the search icon and select the bank code. You can select the bank code from the option list. The list displays all the bank codes maintained in the system.
<b>Currency Code</b>	Click the search icon and select the currency code. You can select the currency code from the option list. The list displays all the currency codes maintained in the system.
<b>External System ID</b>	Click the search icon and select the external system id. You can select the external system id from the option list. The list displays all the external system id maintained in the system.
<b>BIC Code</b>	Click the search icon and select the BIC code. You can select the BIC code from the option list. The list displays all the BIC code maintained in the system.
<b>Balance Type</b>	Select the balance type from the drop-down menu. The options are: <ul style="list-style-type: none"> <li>• Online - The account balances are fetched from DDA when sweep happens</li> <li>• Offline - The account balances maintained in LM by file upload are fetched for sweeps</li> </ul>
<b>External reference</b>	Specify the external reference.

Field	Description
<b>Source</b>	Source will be by default Oracle Banking Liquidity Management UI
<b>MT942 Message Support</b>	Indicates whether the branch sends MT942 messages or not
<b>MT942 Message Type</b>	<p>If MT942 Message Support parameter is Yes, Then MT942 Message type can be configured as</p> <ul style="list-style-type: none"> <li>• Cumulative (The branch will always send cumulative MT 942's) or</li> <li>• Incremental (The branch will always send Incremental MT 942's)</li> </ul>
<b>Address</b>	Specify the address of the branch in the text fields of Address Line 1,2,3 and 4.
<b>Country Code</b>	Specify the country code. You can select the country code from the option list. The list displays all the country code maintained in the system.
<b>City ID</b>	Specify the City ID. You can select the City ID from the option list. The list displays all the City ID maintained in the system.
<b>Region</b>	Specify the region. You can select the region from the option list. The list displays all the region maintained in the system.
<b>Time zone</b>	Time zone will be auto populated once you select the region.

## 17 Inter Company Loans

### 17.1 Introduction

This module of Oracle Banking Liquidity Management manages Inter Company Loans between two different legal entities of the same group.

The sub-components of this module are as follows.

- Limit Creation
- Structure Creation
- Limit query
- Loan query
- Settlement

### 17.2 Limit Creation

You can invoke the “Create Limit” page under “Oracle Banking Liquidity Management System -> Intercompany Loan -> Limit -> Create Limit” on the left menu.

**Figure 100: Create Limit**

**Table 62: Create Limit – Field Description**

Field	Description
Customer ID	Click the search icon and select the customer ID (from the existing list of customers) by clicking magnifying glass icon.

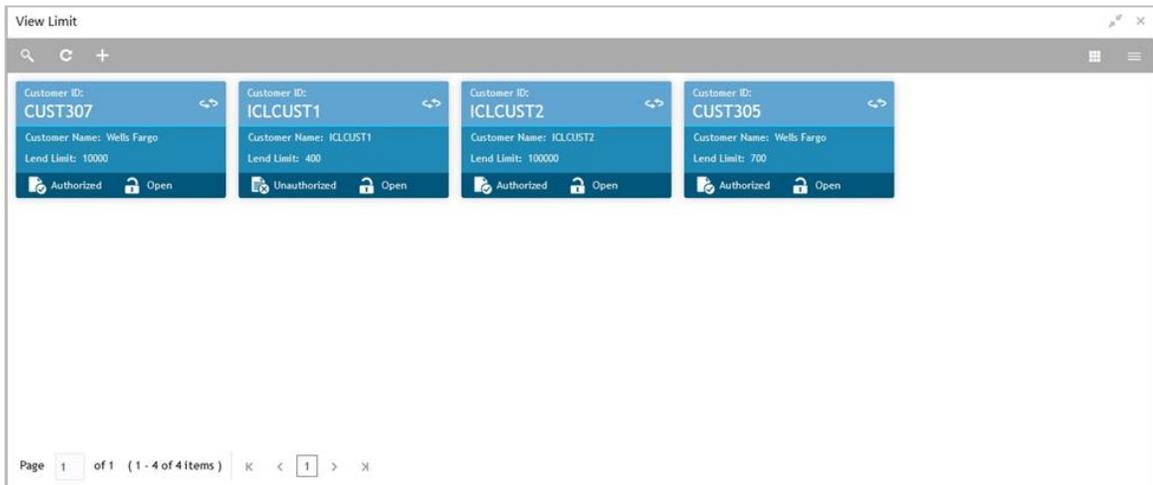
<b>Field</b>	<b>Description</b>
<b>Customer Name</b>	After selecting the customer ID, the customer name will be automatically populated.
<b>Group Customer ID</b>	After selecting the customer ID, the group customer ID will be automatically populated.
<b>Group Customer Name</b>	After selecting the customer ID, the group customer name will be automatically populated.
<b>Lend Limit</b>	This is an overall amount which a specific customer under consideration can lend to other peers under category "Inter Company Loans".
<b>Lend CCY</b>	Click the search icon and select the currency in which the lending operation take place.
<b>Lend Limit Utilized</b>	This is an overall lend limit utilized by the specific customer under consideration.
<b>Lend Limit Available</b>	This is an available lend limit for any of the upcoming loan transactions.
<b>Lenders "+"</b>	This button adds a row that captures the details of a customer who will be able to borrow from this customer.
<b>Lenders "-"</b>	This button removes selected row(s) of borrower customer(s).
<b>Lenders record details</b>	
<b>Customer ID</b>	Select the customer ID (from the existing list of customers) by clicking magnifying glass icon.

Field	Description
<b>Customer Name</b>	After selecting the customer ID, the customer name will be automatically populated.
<b>Lend Limit</b>	This is an amount that can be lent to the specific customer.
<b>Lend Limit Utilized</b>	This is a utilized limit by the customer. While creating, it will be zero.
<b>Lend Limit Available</b>	This will be same as “Lend Limit” while creating the record.  This is an available lend limit for any of the upcoming sweep/loan transactions for the specific customer.

### 17.2.1 Limit Records – Summary View

After creating the limit record, the records will be listed under “View Limit” menu.

**Figure 101: View Limit**



### 17.3 Structure Creation

The “Track ICL” toggle button on the “Structure Details” page will get selected as Yes if any of the account pairs are marked for ICL Tracking

**NOTE:** Sweeps between a pair of accounts can be tracked as ICL only if the ‘ICL Details’ accordion for the pair is maintained.

**Figure 102: Structure Details**

#### 17.3.1 ICL Details Accordion

To treat the sweep transaction between a pair of accounts as ICL transaction, following details need to be captured at the ICL Details accordion of the child account.

**Figure 103: ICL Details**

Table 63: ICL Details – Field Description

Field	Description
<b>Track ICL</b>	Check this as “Yes” if you want every sweep transaction from child account to parent account and vice versa to be treated as ICL.
<b>ICL Reference</b>	This is an alphanumeric field and you can enter the reference of ICL. E.g. A contract ID between the two entities.
<b>Loan Type</b>	This is a read-only field. It will be populated as “Open” (open-ended loan) if the reverse sweep is not configured. Else, it will be “Fixed” (fixed tenure loan).
<b>ICL Booking Report</b>	Select “Yes” if you want the booking report to be generated.
<b>ICL Settlement Report</b>	<p>Select “Yes” if you want the settlement report to be generated.</p> <p><b>NOTE:</b> By default, this will be “No” for both the ICL reports and is only a place holder for future release.</p>

### 17.3.2 Reallocation Accordion

To setup Interest reallocation details for Account Pairs (Parent-Child) the Oneway Account Group and Tway Account Group details should be captured in the Reallocation Accordion at Parent level

The Account Group maintenance is mandatory for the Accounts for which at pair level Track ICL is marked as Yes.

For Non-ICL Account Pairs, the fields are optional

The Reallocation accordion will display all the Child Accounts only at the Parent Level. At Child level, where there are no further Childs, it will display message “No data to display”

**Figure 104: Reallocation - Parent Level**

Account Details	Reallocation Method		
Parent Account Details	No Reallocation		
Instruction Details	Account Number	Oneway Account Group	Twoway Account Group
Reverse Sweep Details	JOHNSONCOOLING01		
Payment Instructions	JOHNSONELECTRICALS01		
Reallocation	JOHNSONDIGITAL01 *	ICLAG	ICLAG
ICL Details	JOHNSONENERGY01 *	ICLAG	ICLAG
Structure Priority			

**Figure 105: Reallocation – Child Level**

Account Details	Reallocation Method		
Parent Account Details	No Reallocation		
Instruction Details	Account Number	Oneway Account Group	Twoway Account Group
Reverse Sweep Details	No data to display.		
Payment Instructions			
Reallocation			

**Table 64: Reallocation – Field Description**

<b>Field</b>	<b>Description</b>
<b>Reallocation Method</b>	Currently for Structure type as Sweep, the Reallocation Method is defaulted as “No Reallocation”
<b>Account Number</b>	<p>The field will show all the Child account numbers the Parent account is associated with.</p> <p>For the Child Accounts which have Track ICL as Yes, maintenance of Oneway and/or Twoway Account Groups is mandatory depending on the direction of the sweep</p>
<b>Oneway Account Group</b>	<p>To maintain Interest Rate for reallocation at Parent-Child Pair level, Account groups should be maintained in this field. The field is mandatory for the ICL enabled Child accounts</p> <p>The Oneway Account Group interest rate will be applicable for reallocations happening for a sweep from Child to Parent direction (Reallocation will be from Parent to Child)</p>
<b>Twoway Account Group</b>	The Twoway Account Group interest rate will be applicable for reallocations happening for sweep from Parent to Child direction (Reallocation will be from Child to Parent)

## 17.4 Limit Query

The ICL limit details related to a specific customer can be queried using the “Limit Query” screen.

**Figure 106: Limit Query**

Limit Query

Customer ID \* ICLCUST2

Customer Name ICLCUST2

Lend Details

Lend Limit \* 100000

Lend CCY GBP

Lend Limit Utilized

Lend Limit Available 100000

Customer ID	Customer Name	Lend Limit	Lend Limit Utilized	Lend Limit Available	Action
ICLCUST1	ICLCUST1	50000		50000	<a href="#">View Loan</a>

whf00clp.in.oracle.com:7403/app-shell/index.jsp#

On selecting the Customer ID, the customer name will be automatically populated.

On clicking the “Fetch” button, the limit related fields would be fetched.

It consists of Overall lend limit, lending currency, overall utilized and available limits.

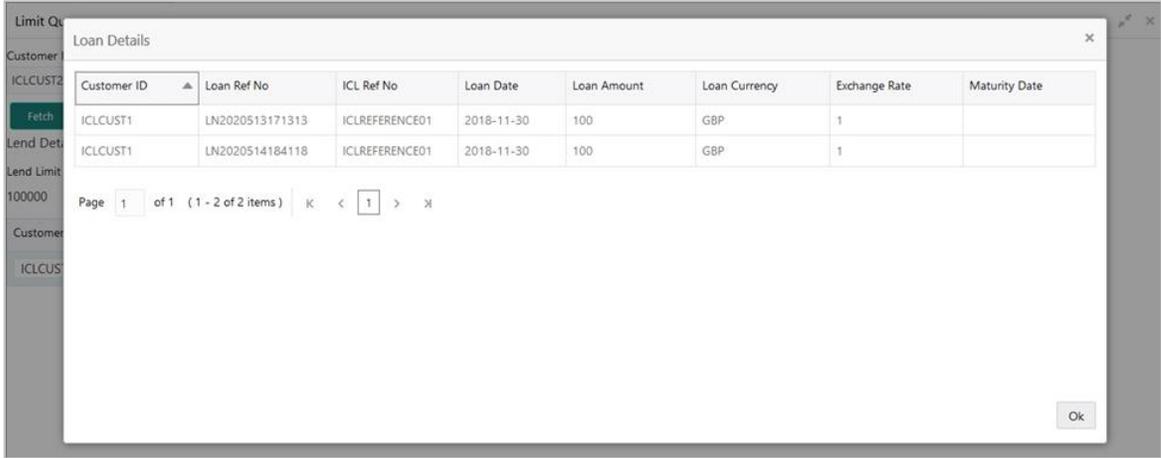
Apart from that, it also shows the records of lending to different customers/peer companies.

The loan transaction details for that particular borrower can be viewed by clicking the link “View Loan” on the respective rows.

**Limit Query – Loan Details**

The loan transaction details screen provides the loan details.

**Figure 107: Limit Query (Loan Details)**



The following details will be shown in read only format.

**Table 65: Limit Query(Loan Details) – Field Description**

Field	Description
<b>Customer ID</b>	This is a customer ID of the lender.
<b>Loan Ref No</b>	This is a unique reference no. for a loan generated by the system.
<b>ICL Ref No</b>	This is a reference no. that is entered in “ICL details accordion” in structure.
<b>Loan Date</b>	This is a loan booking date.
<b>Loan Amount</b>	This specify the loan amount.
<b>Loan Currency</b>	This is a currency in which the loan is given. Generally, it is a lender’s account currency.
<b>Exchange Rate</b>	This is an exchange rate between lender and borrower currency.

Field	Description
<b>Maturity Date</b>	If the loan is of fixed tenure, then the maturity date will be populated. If it is open ended loan, it will be blank.

## 17.5 Loan Query

The “Loan Query” screen is used to query the Inter Company Loans booked in the system.

**Figure 108: Loan Query**

The screenshot shows the 'Loan Query' interface with the following search filters:

- Group Customer ID: ICLCUSTGROUP
- Customer ID 1: (empty)
- Customer ID 2: (empty)
- Disbursement From Date: (calendar icon)
- Disbursement To Date: (calendar icon)
- From Account: (empty)
- To Account: (empty)
- Loan Status: All
- ICL Ref No: (empty)

Buttons: Fetch, Reset

Loan Ref No	ICL Ref No	Loan Date	From Account	To Account	Loan Amount	Loan Currency	Action
LN2020513171313	ICLREFERENCE01	2018-11-30	ICLAC2	ICLAC1	100	GBP	more...
LN2020514184118	ICLREFERENCE01	2018-11-30	ICLAC2	ICLAC1	100	GBP	more...

Page 1 of 1 (1 - 2 of 2 items) | < 1 > X

**Table 66: Loan Query – Field Description**

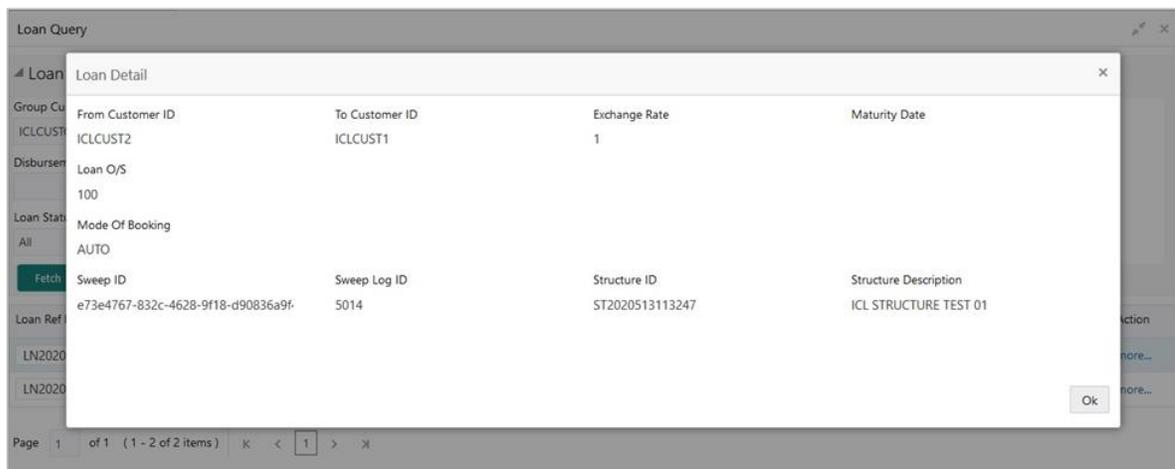
Field	Description
<b>Group Customer ID</b>	Click the search icon and select the group customer ID (from the existing list of customers) by clicking magnifying glass icon. This selection ensures that <ul style="list-style-type: none"> <li>All the transactions are related to this group customer ID only.</li> <li>Further selection of customer IDs are from the children of this group customer.</li> </ul>
<b>Customer ID 1</b>	This selection can narrow the search wherever this customer is involved.
<b>Customer ID 2</b>	This selection (along with Customer ID 1) narrows down the search where only these two customers are involved.

Field	Description
<b>Disbursement date (from and to)</b>	By selecting these dates, the search is restricted for the transaction between these two dates. One can choose any one of these dates as well.
<b>Account (from and to)</b>	If the user is interested in transactions related to specific account(s) only, this selection will help.
<b>Loan status</b>	The possible values are “All”, “Active” and “Settled”. Default selection is “All”.
<b>ICL reference no.</b>	One can specify the ICL reference no. to list the transactions related to only that specific ICL reference no.

After populating the search criteria, click of “Fetch” button will populate loan records in the table below.

The “more ...” button will show more details related to that specific loan record in a pop-up window.

**Figure 109: Loan Query – Loan Details**



The following details will be shown in read only format.

**Table 67: Loan Query – Loan Details – Field Description**

<b>Field</b>	<b>Description</b>
<b>From Customer ID</b>	This is a customer ID of the lender.
<b>To Customer ID</b>	This is a customer ID of the borrower.
<b>Exchange Rate</b>	The exchange rate between the currencies of lender and borrower.
<b>Maturity Date</b>	If this is a fixed tenure loan, the maturity date will be shown. Else, it will be blank.
<b>Loan O/S</b>	This shows the current outstanding loan amount.
<b>Mode of Booking</b>	If this loan is created using the structure and sweep mechanism, the mode of booking will be "Auto". As of now, only this mode of booking is available in the system.
<b>Sweep ID</b>	The ID of the sweep with which is amount is transferred and loan is created.
<b>Sweep Log ID</b>	This is a log ID of a sweep.
<b>Structure ID</b>	This is an ID of a structure; through which the loan transaction took place.
<b>Structure Description</b>	This description of the structure that is involved in the loan transaction.

## 17.6 Settlement

The loan can be settled/closed using the “Settlement” screen.

**Figure 110: Settlement**

The screenshot shows the 'Settlement' window with the following fields and values:

- Group Customer ID \*: ICLCUSTGROUP
- Customer ID 1: (empty)
- Customer ID 2: (empty)
- Disbursement From Date: (empty)
- Disbursement To Date: (empty)
- Loan Amount: Please Enter Loan Amount
- Loan Amount From: Please Enter Loan Amount From
- Loan Amount To: Please Enter Loan Amount To
- Loan Currency: (empty)
- ICL Ref No: (empty)
- Settlement Date: May 22, 2020

Buttons: Fetch, Reset

Loan Ref No	ICL Ref No	Loan Date	From Account	To Account	Loan Amount	Loan Currency	Loan O/S	Maturity Date	Action
LN20205131713	ICLREFERENCEI	2018-11-30	ICLAC2	ICLAC1	100	GBP	100		more...
LN20205141841	ICLREFERENCEI	2018-11-30	ICLAC2	ICLAC1	100	GBP	100		more...

**Table 68: Settlement – Field Description**

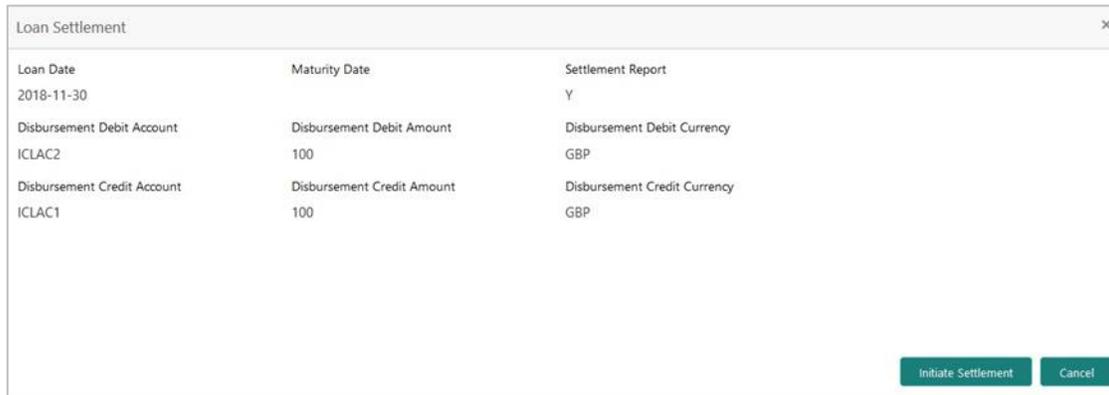
Field	Description
<b>Group Customer ID</b>	Click the search icon and select the group customer ID (from the existing list of customers) by clicking magnifying glass icon. This selection ensures that  All the transactions are related to this group customer ID only.  Further selection of customer IDs are from the children of this group customer.
<b>Customer ID 1</b>	This selection can narrow the search wherever this customer is involved.
<b>Customer ID 2</b>	This selection (along with Customer ID 1) narrows down the search where only these two customers are involved.
<b>Disbursement Date (from and to)</b>	By selecting these dates, the search is restricted for the transaction between these two dates. One can choose any one of these dates as well.

Field	Description
<b>Loan Amount</b>	If the user knows the exact loan amount, it can be entered here.
<b>Loan Amount (from and to)</b>	If the user is not aware about the exact amount but the range, this selection will help.
<b>Loan currency</b>	The currency of the loan can be selected using this field.
<b>ICL reference no.</b>	One can specify the ICL reference no. to list the transactions related to only that specific ICL reference no.

After populating the search criteria, “Fetch” button will populate loan records in the table below.

The “more...” button will show the loan settlement details.

**Figure 111: Loan Settlement**



Loan Date	Maturity Date	Settlement Report
2018-11-30		Y
Disbursement Debit Account	Disbursement Debit Amount	Disbursement Debit Currency
ICLAC2	100	GBP
Disbursement Credit Account	Disbursement Credit Amount	Disbursement Credit Currency
ICLAC1	100	GBP

**Table 69: Loan Settlement – Field Description**

<b>Field</b>	<b>Description</b>
<b>Loan Date</b>	The date on which the loan is booked.
<b>Maturity Date</b>	If it is fixed tenure loan, it will show the maturity date of a loan. Else, it will be blank.
<b>Settlement Report</b>	This will decide if the settlement report is to be generated.
<b>Disbursement Debit Account</b>	This is a lenders account.
<b>Disbursement Debit Amount</b>	The amount that is debited from the lenders account.
<b>Disbursement Debit Currency</b>	The currency of the lenders account.
<b>Disbursement Credit Account</b>	This is borrowers account.
<b>Disbursement Credit Amount</b>	This amount that is credited in borrowers account. This amount could be different that the “Disbursement Debit Amount” if the currencies are different.
<b>Disbursement Credit Currency</b>	The currency of the borrowers account.

The “Initiate Settlement” button will initiate the repayment process. After successful settlement transaction, the loan will be marked as “Settled”.

## 17.7 Interest Query

The Loan Interest can be viewed in the Interest Query Screen

**Figure 112: Interest Query**

The screenshot shows the 'Interest Query' interface. It includes search filters for Group Customer ID (JOHNSONCONTROLS), Customer ID 1, Customer ID 2, Loan Status (All), and ICL Ref No. Below the filters are 'Fetch' and 'Reset' buttons. A table displays the results of the query with columns: Loan Ref No, ICL Ref No, Loan Date, From Account, To Account, Loan Amount, Loan Currency, Exchange Rate, Maturity Date, Loan Status, and Action.

Loan Ref No	ICL Ref No	Loan Date	From Account	To Account	Loan Amount	Loan Currency	Exchange Rate	Maturity Date	Loan Status	Action
LN2020617154	JOHNSON D	2020-06-16	JOHNSONDIGI	JOHNSONCO	2,500	EUR	1	2020-06-30	Open	<a href="#">View Transactions</a>
LN2020617154	JOHNSON EI	2020-06-16	JOHNSONENER	JOHNSONCO	800	EUR	1	2020-06-30	Open	<a href="#">View Transactions</a>
LN2020617123	JOHNSON D	2020-06-01	JOHNSONDIGI	JOHNSONCO	1,000	EUR	1	2020-06-15	Settled	<a href="#">View Transactions</a>
LN2020617123	JOHNSON EI	2020-06-01	JOHNSONENER	JOHNSONCO	1,700	EUR	1	2020-06-15	Settled	<a href="#">View Transactions</a>

**Table 70: Interest Query – Field Description**

Field	Description
<b>Group Customer ID</b>	Click the search icon and select the group customer ID (from the existing list of customers) by clicking magnifying glass icon. This selection ensures that <ul style="list-style-type: none"> <li>All the transactions are related to this group customer ID only.</li> <li>Further selection of customer IDs are from the children of this group customer.</li> </ul>
<b>Customer ID 1</b>	This selection can narrow the search wherever this customer is involved.
<b>Customer ID 2</b>	This selection (along with Customer ID 1) narrows down the search where only these two customers are involved.
<b>Loan Status</b>	User can choose to see Open or Settled or All Loans for the mentioned Customer ID
<b>ICL Ref No</b>	One can specify the ICL reference no. to list the transactions related to only that specific ICL reference no.

After populating the search criteria, “Fetch” button will populate loan records in the table below.

The “View Transaction” button will show the Transaction details.

**Figure 113: Transaction Detail - Open Loan**

Transaction Detail For Loan: LN2020617154728

Transaction From Date  Transaction To Date

Fetch

Transaction Ref No	Transaction Date	From Account	To Account	Transaction Amount	Currency	Transaction Type
6f24ee48-4fc1-4917-bbl	2020-06-16	JOHNSONDIGITAL02	JOHNSONCONTROI	2,500	EUR	SWP

Page 1 of 1 (1 - 1 of 1 items) < 1 >

Ok

**Figure 114: Transaction Detail - Settled Loan**

Transaction Detail For Loan: LN2020617123441

Transaction From Date  Transaction To Date

Fetch

Transaction Ref No	Transaction Date	From Account	To Account	Transaction Amount	Currency	Transaction Type
89195f8b-6363-4a55-95	2020-06-15	JOHNSONCONTROL5	JOHNSONDIGITAL0	1,000	EUR	RSW
a3963908-dffc-40f4-a0.	2020-06-15	JOHNSONCONTROL5	JOHNSONDIGITAL0	4.11	EUR	RAC
f590a23d-eaf8-41b9-8a	2020-06-01	JOHNSONDIGITAL01	JOHNSONCONTROI	1,000	EUR	SWP

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Ok

**Table 71: Transaction Detail – Field Description**

Field	Description
<b>Transaction From &amp; To Date</b>	<p>By selecting these dates, the search is restricted for the transaction between these two dates. One can choose any one of these dates as well.</p> <p>After populating the From/To Dates, “Fetch” button will populate records in the table below</p>

<b>Field</b>	<b>Description</b>
<b>Transaction Ref No</b>	System generated Transaction Ref Number is displayed for each transaction happening on the chosen Loan
<b>Transaction Date</b>	Displays the date on which transaction has occurred (Sweep, Reallocation, Reverse Sweep, etc)
<b>From Account</b>	This is the debit account
<b>To Account</b>	This is the credit account
<b>Transaction Amount</b>	This displays the Transaction Amount
<b>Currency</b>	This displays the Transaction Currency
<b>Transaction Type</b>	This displays the type of transaction (Example: Sweep - SWP, Interest Reallocation – RAC, Reverse Sweep – RSW)

## 18 Charges

### 18.1 Introduction

This module is designed to help you quickly get acquainted with the different types of charge supported for account usage in Oracle Banking Liquidity Management.

The different types of charges supported are listed below:

**Onetime Liquidity Management Setup Charges:** These are one-time flat charges configured whenever a customer is onboarded for liquidity management.

**Structure Setup Charges:** These are flat charges configured per account structure creation. Different charges can be setup based on the type of structure i.e., Sweep, Pool and Hybrid.

**Maintenance Charges for Liquidity Management Usage:** These are flat periodic charges configured for liquidity management usage.

**Structure Maintenance Charges by Structure:** These are flat periodic charges configured for account structure maintenance and are charged by structure. Different charges can be setup based on the type of structure i.e., Sweep, Pool and Hybrid.

**Structure Maintenance Charges by Accounts:** These are periodic tier or slab-based charges configured for account structure maintenance and are charged by number of accounts in a structure. Different charges can be setup based on the type of structure i.e., Sweep, Pool and Hybrid.

**Structure Execution Charges based on number of sweep executions:** These are periodic tier or slab-based charges configured based on number of sweep executions per structure. This is applicable only for sweep structures.

**Tax on Charges:** These are taxes which are configured on charges.

The sub-components of this module are as follows.

- Charge Code
- Charge Rule
- Pricing Schemes
- Charge Decisioning
- Charge Preferential Pricing
- Charge Inquiry

## 18.2 Charge Code

This topic provides the information to configure and maintain charge codes for the various charges.

This topic contains the following subtopics:

- [Create Charge Code](#)
- [View Charge Code](#)

### 18.2.1 Create Charge Code

This topic provides systematic instructions to create charge code.

The **Create Charge Code** screen allows the user to configure the charge code.

#### Prerequisite

Specify **User ID** and **Password**, and login to **Home** screen.

1. On **Home** Screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Code**.
3. Under **Charge Code**, click **Create Charge Code**.

→ The **Create Charge Code** screen appears.

**Figure 115: Create Charge Code**

4. On **Create Charge Code** screen, specify the fields.

**Note:** The fields which are marked with asterisk are mandatory.

For more information on fields, refer to the field description table below.

**Table 72: Create Charge Code – Field Description**

Field	Description
<b>Charge Code</b>	Specify the unique ID to identify the charge code.
<b>Charge Description</b>	Specify the description of the charge code.
<b>Charge Category</b>	Select the charge category. The available options are: <ul style="list-style-type: none"> <li>• Tax</li> <li>• Standard</li> </ul>
<b>Charge Credit Account</b>	Click <b>Search</b> icon to view and select the GL account number.
<b>Account Description</b>	Displays the description of the GL account number.
<b>Credit Transaction Code</b>	Click <b>Search</b> icon to view and select the transaction code to be used for Credit leg of charge posting.
<b>Credit Transaction Code Description</b>	Displays the Credit Transaction Code Description.
<b>Debit Transaction Code</b>	Click <b>Search</b> icon to view and select the transaction code to be used for Debit leg of charge posting.
<b>Debit Transaction Code Description</b>	Displays the Debit Transaction Code Description.

5. Click **Save** to save the details.

The user can view the configured charge code in [View Charge Code](#).

## 18.2.2 View Charge Code

This topic provides systematic instructions to view charge code.

The **View Charge Code** screen allows the user to view a list of configured charge codes. The user can configure charge code using [Create Charge Code](#).

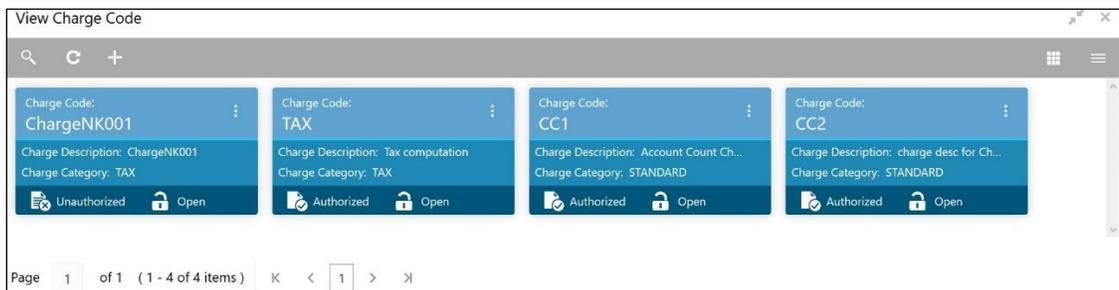
### Prerequisite

Specify **User ID** and **Password**, and login to **Home screen**.

1. On **Home Screen**, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Code**.
3. Under **Charge Code**, click **View Charge Code**.

→ The **View Charge Code** screen appears.

**Figure 116: View Charge Code**



For more information on fields, refer to the field description table below.

**Table 73: View Charge Code – Field Description**

Field	Description
<b>Charge Code</b>	Displays the charge code.
<b>Charge Description</b>	Displays the description of the charge code.
<b>Charge Category</b>	Displays the charge category.
<b>Status</b>	Displays the status of the record.

## 18.3 Charge Rule

This topic provides the information to configure and maintain charge rule to calculate charges.

This topic contains following subtopics:

- [Create Charge Rule](#)
- [View Charge Rule](#)

### 18.3.1 Create Charge Rule

This topic provides systematic instructions to create the charge rule.

The **Create Charge Rule** screen allows the user to configure the charge rule.

#### Prerequisite

Specify **User ID** and **Password**, and login to **Home** screen.

1. On **Home** Screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Rule**.
3. Under **Charge Rule**, click **Create Charge Rule**.

→ The **Create Charge Rule** screen appears.

**Figure 117: Create Charge Rule**

The screenshot shows the 'Create Charge Rule' interface. It features several input fields and dropdown menus for configuring a charge rule. The fields include 'Charge Pricing Rule ID', 'Charge Pricing Description', 'Pricing Category', 'Pricing Method', 'Pricing Currency' (set to AUB), 'Min/Max Validation Criteria' (set to Amount), 'Minimum Charge Amount', and 'Maximum Charge Amount'. Below these fields is a table with columns for 'From', 'To', 'Amount', 'Units', and 'Action'. The table is currently empty. At the bottom right of the form are 'Save' and 'Cancel' buttons.

4. On **Create Charge Rule** screen, specify the fields.

**Note:** The fields which are marked with asterisk are mandatory.

For more information on fields, refer to the field description table below.

**Table 74: Create Charge Rule – Field Description**

Field	Description
<b>Charge Pricing Rule ID</b>	The system generates the Rule ID to identify the rule.
<b>Charge Pricing Description</b>	Specify the description for the charge pricing rule.
<b>Pricing Category</b>	Select the pricing category. The available options are: <ul style="list-style-type: none"> <li>• Fixed Amount</li> <li>• Fixed Percentage</li> <li>• Tier Based Amount</li> </ul>
<b>Pricing Method</b>	Select the pricing method to configure charge pricing. The available options are: <ul style="list-style-type: none"> <li>• Fixed Amount This option appears only if <b>Pricing Category</b> is selected as Fixed Amount.</li> <li>• Fixed Percentage This option appears only if <b>Pricing Category</b> is selected as Fixed Percentage.</li> <li>• Variable Amount By Count This option appears only if <b>Pricing Category</b> is selected as Tier Based Amount.</li> <li>• Slab Amount By Count This option appears only if <b>Pricing Category</b> is selected as Fixed Percentage.</li> </ul> <p><b>NOTE:</b> Refer to the <a href="#">Examples for Tier Based Amount Charges</a>.</p>
<b>Pricing Currency</b>	Select the currency in which the pricing is to be done.

Field	Description
<b>Fixed Amount</b>	Specify the fixed charge amount.  This field appears only if <b>Pricing Category</b> is selected as Fixed Amount.
<b>Fixed Percentage</b>	Specify the fixed charge percentage.  This field appears only if <b>Pricing Category</b> is selected as Fixed Percentage.
<b>Min/Max Validation Criteria</b>	Indicates whether the charge is to be validated based on an amount range. The available options are: <ul style="list-style-type: none"> <li>• Amount</li> </ul> This field appears only if <b>Pricing Category</b> is selected as Tier Based Amount.
<b>Minimum Charge Amount</b>	Specify the minimum charge amount to be considered for validation.  This field appears only if <b>Pricing Category</b> is selected as Tier Based Amount and <b>Min/Max Validation Criteria</b> is selected as Amount.
<b>Maximum Charge Amount</b>	Specify the maximum charge amount to be considered for validation.  This field appears only if <b>Pricing Category</b> is selected as Tier Based Amount and <b>Min/Max Validation Criteria</b> is selected as Amount.
<b>From</b>	Specify the start value of the count range.  This field appears only if <b>Pricing Category</b> is selected as Tier Based Amount.

Field	Description
<b>To</b>	Specify the final value of the count range.  This field appears only if <b>Pricing Category</b> is selected as Tier Based Amount.
<b>Amount</b>	Specify the charge amount.  This field appears only if <b>Pricing Category</b> is selected as Tier Based Amount. The pricing currency is considered.
<b>Units</b>	Specify the number of charge units.  This field appears only if <b>Pricing Category</b> is selected as Tier Based Amount.

5. Click **+** button to add the multiple rows in the grid.
6. Click  to edit the row.
7. Click  to delete the row.
8. Click **Save** to save the details.

The user can view the configured charge rule in the [View Charge Rule](#).

### 18.3.1.1 Examples for Tier Based Amounts Charges

Pricing Method - **Slab Amount by Number of Count**

**Example 1:**

Count Slabs	Charge Amount	Unit
0 – 250	10	Blank
250 – 500	20	Blank
> 500	30	Blank

Count = 1000

Charge Amount = 10+20+30 = 60 USD

**Example 2:**

Count Slabs	Charge Amount	Unit
0 – 250	1	1
250 – 500	2	1
> 500	3	1

Count: 1000

Charge Amount: = 250+500+1500 (i.e.,  $1*250+2*250+3*500$ ) = 2250 USD

Pricing Method - **Variable Amount by Number of Count**

**Example 1:**

Count Slabs	Charge Amount	Unit
0 – 250	10	Blank
250– 500	20	Blank
> 500	30	Blank

Count =1000

Charge Amount = 30 USD

**Example 2:**

Count Slabs	Charge Amount	Unit
0 – 250	1	1
250 – 500	2	1
> 500	3	1

Count: 1000

Charge Amount:  $3*1000=USD\ 3000$

### 18.3.2 View Charge Rule

This topic provides systematic instructions to view the charge rule.

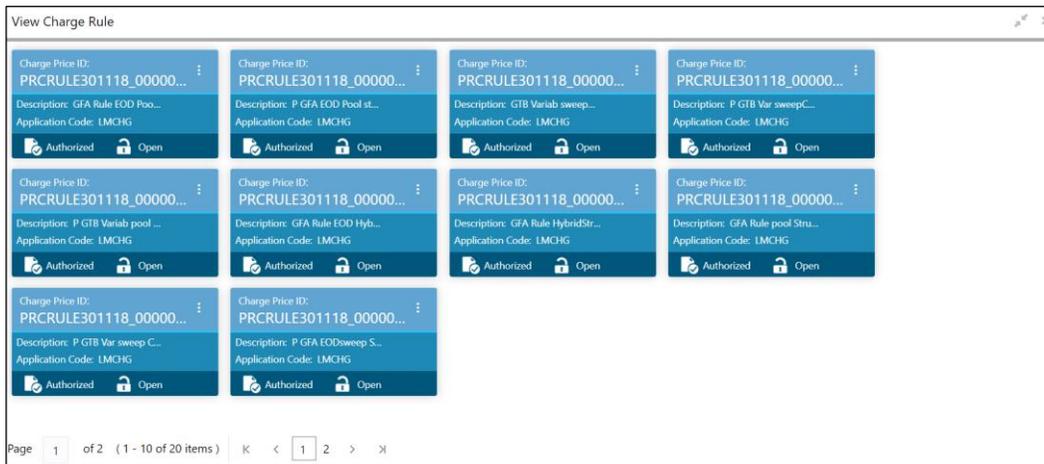
The **View Charge Rule** screen allows the user to view a list of configured charge rule. The user can configure the charge rule using [Create Charge Rule](#).

**Prerequisite:** Specify **User ID** and **Password**, and login to **Home screen**.

1. On **Home Screen**, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Rule**.
3. Under **Charge Rule**, click **View Charge Rule**.

→ The **View Charge Rule** screen appears.

**Figure 118: View Charge Rule**



For more information on fields, refer to the field description table below.

**Table 75: View Charge Rule – Field Description**

Field	Description
<b>Charge Pricing ID</b>	Displays the charge pricing ID.
<b>Description</b>	Displays the description of the charge pricing rule.
<b>Application Code</b>	Displays the application code.
<b>Status</b>	Displays the status of the record.

## 18.4 Pricing Schemes

This topic provides the information to configure and maintain the pricing schemes. Customers can be associated with one of the pricing schemes during onboarding and different charge decisions can be configured per pricing scheme.

This topic contains following subtopics:

- [Create Pricing Schemes](#)
- [View Pricing Schemes](#)

### 18.4.1 Create Pricing Schemes

This topic provides systematic instructions to create the pricing schemes.

The **Create Pricing Schemes** screen allows the user to configure the pricing schemes.

#### Prerequisite

Specify **User ID** and **Password**, and login to **Home** screen.

1. On **Home** Screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Pricing Schemes**.
3. Under **Pricing Schemes**, click **Create Pricing Schemes**.

→ The **Create Pricing Schemes** screen appears.

**Figure 119: Create Pricing Schemes**

4. On **Create Pricing Schemes** screen, specify the fields.

**Note:** The fields which are marked with asterisk are mandatory.

For more information on fields, refer to the field description table below.

**Table 76: Create Pricing Schemes – Field Description**

Field	Description
<b>Pricing Scheme ID</b>	Specify the unique ID to identify the pricing scheme.
<b>Description</b>	Specify the description for the pricing scheme.

5. Click **Save** to save the details.

The user can view the configured pricing schemes in the [View Pricing Schemes](#).

## 18.4.2 View Pricing Schemes

This topic provides systematic instructions to view the pricing schemes.

The **View Pricing Schemes** screen allows the user to view a list of configured pricing schemes.

The user can configure pricing schemes using [Create Pricing Schemes](#).

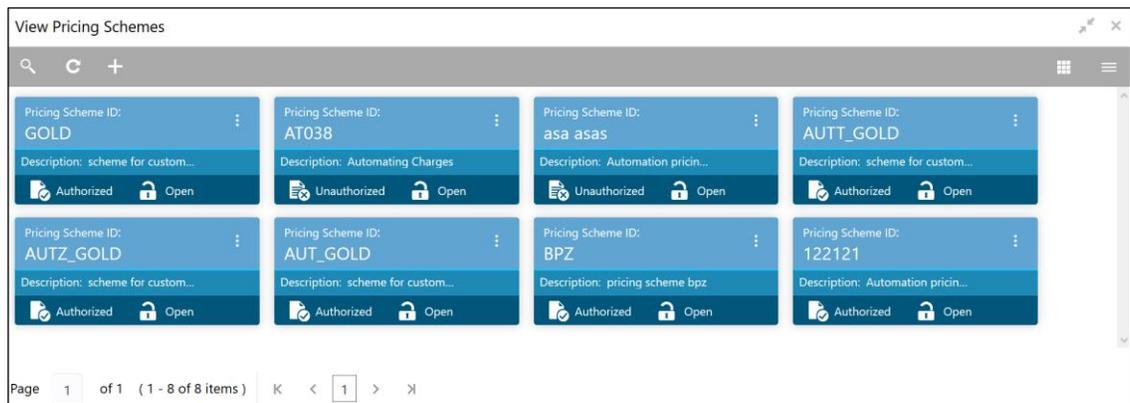
### Prerequisite

Specify **User ID** and **Password**, and login to **Home screen**.

1. On **Home Screen**, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Pricing Schemes**.
3. Under **Pricing Schemes**, click **View Pricing Schemes**.

→ The **View Pricing Schemes** screen appears.

**Figure 120: View Pricing Schemes**



For more information on fields, refer to the field description table below.

**Table 77: View Pricing Schemes – Field Description**

Field	Description
<b>Pricing Scheme ID</b>	Displays the pricing scheme ID.
<b>Description</b>	Displays the description of the pricing scheme.
<b>Status</b>	Displays the status of the record.

## 18.5 Charge Decisioning

This topic provides the information to configure and maintain charge decisioning. Using this screen, the charge code, charge rule and pricing schemes configured can be mapped to a specific charge event and the charge collection frequency is defined for the same.

This topic contains following subtopics:

- [Create Charge Decisioning](#)
- [View Charge Decisioning](#)

### 18.5.1 Create Charge Decisioning

This topic provides systematic instructions to create the charge decisioning. Using this screen, the charge code, charge rule and pricing schemes configured can be mapped to a specific charge event and the charge collection frequency is defined for the same.

The **Create Charge Decisioning** screen allows the user to configure the charge decisioning.

#### Prerequisite

Specify **User ID** and **Password**, and login to **Home** screen.

1. On **Home** Screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Decisioning**.
3. Under **Charge Decisioning**, click **Create Charge Decisioning**.

→ The **Create Charge Decisioning** screen appears.

**Figure 121: Create Charge Decisioning**

4. On **Create Charge Decisioning** screen, specify the fields.

**Note:** The fields which are marked with asterisk are mandatory.

For more information on fields, refer to the field description table below.

**Table 78: Create Charge Decisioning – Field Description**

Field	Description
<b>Event</b>	<p>Select the event on the occurrence of which the charge to be applied.</p> <p>The available options are:</p> <ul style="list-style-type: none"> <li>• EOD - This option is selected for Periodic Charges.</li> <li>• Liquidity Management Setup – This option is selected when customer is onboarded for Liquidity Management.</li> <li>• Structure Setup – This option is selected for structure creation charges.</li> </ul>
<b>Pricing Scheme ID</b>	<p>Click <b>Search</b> icon to view and select the pricing scheme for which the charge decisioning is to be configured.</p>

Field	Description
<b>Charge Type</b>	Select the charge type. The available options are: <ul style="list-style-type: none"> <li>• Customer – This indicates the charges are at customer level</li> <li>• Structure – This indicates the charges are at structure level</li> </ul>
<b>Structure Type</b>	Select the structure type. The available options are: <ul style="list-style-type: none"> <li>• Sweep</li> <li>• Pool</li> <li>• Hybrid</li> </ul>
<b>Charge Code</b>	Select <b>Search</b> icon to view and select the charge code for which decisioning is to be configured.
<b>Charge Description</b>	Displays the description of the selected charge code.
<b>Charge Pricing Rule ID</b>	Select <b>Search</b> icon to view and select the charge pricing rule to be applied.
<b>Charge Pricing Description</b>	Displays the description of the selected Charge Pricing Rule.

Field	Description
<b>Charge Criteria</b>	<p>Select the criteria to be considered based on which the charges are calculated. The available options are</p> <ul style="list-style-type: none"> <li>• One Time Setup Charge</li> <li>• Structure Setup Charge</li> <li>• Count of Accounts</li> <li>• Count of Sweeps</li> <li>• Flat Maintenance Charge</li> <li>• Parent Charge Code</li> </ul> <p><b>NOTE:</b> The Charge Criteria values are based on Event and Charge Type. For more details, refer to the Table 79: Matrix for Charge Criteria.</p>
<b>Effective Date</b>	<p>Select the date from which the charge decisioning validity is effective.</p>
<b>Expiry Date</b>	<p>Select the date till which the charge decisioning validity is effective.</p>
<b>Collection Parameter</b>	
<b>Charge Frequency</b>	<p>Select the frequency of the charge collection.</p> <p>The available options are:</p> <ul style="list-style-type: none"> <li>• Daily</li> <li>• Monthly</li> <li>• Half Yearly</li> </ul> <p><b>NOTE:</b> These options appears only if the Event is selected as <b>EOD</b>.</p> <ul style="list-style-type: none"> <li>• Event Based</li> </ul> <p><b>NOTE:</b> This option appears only if the Event is selected as <b>Liquidity Management Setup</b> and <b>Structure Setup</b>.</p>

Field	Description
<b>Units</b>	Specify the units of the specified frequency post when the charge collection should take place. If the <b>Charge Frequency</b> is selected as <b>Monthly</b> and <b>Units</b> is specified as <b>2</b> , then the charge would be collected once in two months.  <b>NOTE:</b> This field appears only if the Event is <b>EOD</b> .
<b>Collect At</b>	Displays the period when the charge collection is done for the selected frequency  <b>NOTE:</b> This field always be <b>End of Period</b> .

**NOTE:** Any modifications/updates to charge decisioning will be applicable immediately. For example, if the charge decisioning is modified in middle of a charge cycle, on the charge calculation date, the updated charge decisioning will be applied for the entire current charge cycle for calculation purpose.

- a. Click **+** button to add the charge decisioning.
  - b. Click **X** button to close the charge decisioning.
5. Click **Save** to save the details.

The user can view the configured charge decisioning in the [View Charge Decisioning](#).

**Table 79: Matrix for Charge Criteria**

Event	Pricing Scheme	Charge Type	Structure Type	Charge Criteria	Charge Frequency
EOD	Scheme	Customer	NA	Flat Maintenance Charge Parent Charge Code	Daily Monthly Half-Yearly
EOD	Scheme	Structure	Sweep Pool Hybrid	Flat Maintenance Charge Count of Accounts Count of Sweeps (Applicable only for Sweep structure) Parent Charge Code	Daily Monthly Half-Yearly
Liquidity Management Setup	Scheme	Customer	NA	One Time Setup Charge Parent Charge Code	Event Based
Structure Setup	Scheme	Structure	Sweep Pool Hybrid	Structure Setup Charge Parent Charge Code	Event Based

## 18.5.2 View Charge Decisioning

This topic provides systematic instructions to view the charge decisioning.

The **View Charge Decisioning** screen allows the user to view a list of configured charge decisioning. The user can configure charge decisioning using [Create Charge Decisioning](#).

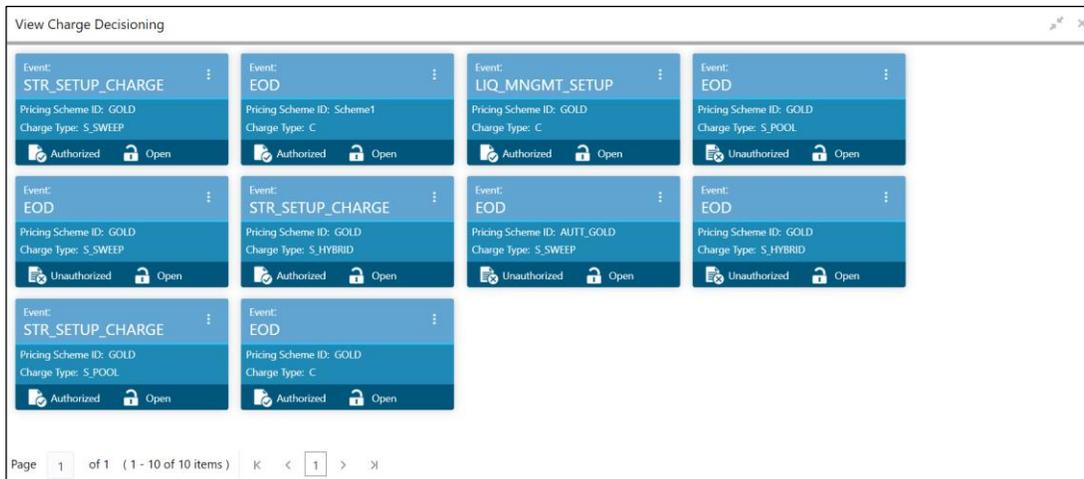
### Prerequisite

Specify **User ID** and **Password**, and login to **Home screen**.

1. On **Home Screen**, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Decisioning**.
3. Under **Charge Decisioning**, click **View Charge Decisioning**.

→ The **View Charge Decisioning** screen appears.

**Figure 122: View Charge Decisioning**



For more information on fields, refer to the field description table below.

**Table 80: View Charge Decisioning – Field Description**

Field	Description
<b>Event</b>	Displays the charge event.
<b>Pricing Scheme ID</b>	Displays the pricing scheme ID.
<b>Charge Type</b>	Displays the charge type.
<b>Status</b>	Displays the status of the record.

## 18.6 Charge Preferential Pricing

This topic provides the information to configure and maintain preferential pricing for specific customers.

This topic contains following subtopics:

- [Create Charge Preferential Pricing](#)
- [View Charge Preferential Pricing](#)

### 18.6.1 Create Charge Preferential Pricing

This topic provides systematic instructions to create the charge preferential pricing.

The **Create Charge Preferential Pricing** screen allows the user to configure the charge preferential pricing.

#### Prerequisite

Specify **User ID** and **Password**, and login to **Home** screen.

1. On **Home** Screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Preferential Pricing**.
3. Under **Charge Preferential Pricing**, click **Create Charge Preferential Pricing**.

→ The **Create Charge Preferential Pricing** screen appears.

**Figure 123: Create Charge Preferential Pricing**

4. On **Create Charge Preferential Pricing** screen, specify the fields.

**Note:** The fields which are marked with asterisk are mandatory.

For more information on fields, refer to the field description table below.

**Table 81: Create Charge Preferential Pricing – Field Description**

<b>Field</b>	<b>Description</b>
<b>Customer ID</b>	Click <b>Search</b> icon to view and select customer for which the preferential pricing has to be setup.
<b>Charge Type</b>	Specify the type of the charge. The available options are: <ul style="list-style-type: none"> <li>• Customer</li> <li>• Structure</li> </ul>
<b>Structure Type</b>	Select the structure type. The available options are: <ul style="list-style-type: none"> <li>• Sweep</li> <li>• Pool</li> <li>• Hybrid</li> </ul>
<b>Charge Code</b>	Click <b>Search</b> icon to view and select the charge code for preferential pricing configuration.  <b>NOTE:</b> The charge code will be listed based on the charge type and for which the active charge decisioning exists.
<b>Charge Code Description</b>	Displays the description of the selected charge code.
<b>Charge Pricing Rule ID</b>	Click <b>Search</b> icon to view and select the charge pricing to be applied.
<b>Charge Pricing Description</b>	Displays the description of the selected Charge Pricing Rule.

Field	Description
<b>Charge Criteria</b>	<p>Select the criteria to be considered based on which the charges are calculated.</p> <p>The available options are:</p> <ul style="list-style-type: none"> <li>• One Time Setup Charge</li> <li>• Structure Setup Charge</li> <li>• Count of Accounts</li> <li>• Count of Sweeps</li> <li>• Flat Maintenance Charge</li> <li>• Parent Charge Code</li> </ul> <p><b>NOTE:</b> The taxes will be applicable based on the tax configured for the charge code in charge decisioning.</p>
<b>Effective Date</b>	Select the date from which the preferential pricing validity is effective.
<b>Expiry Date</b>	Select the date till which the preferential pricing validity is effective.

**NOTE:** Any modifications to preferential charge decisioning will be applied immediately. For example, if the charge decisioning is modified in middle of a charge cycle, on the charge calculation date, the updated charge decisioning will be applied for the entire current charge cycle for calculation purpose.

**NOTE:** Charge Configurations, calculations and postings will be at a parent customer level only.

5. Click **Save** to save the details.

The user can view the configured charge rule in the [View Charge Preferential Pricing](#).

## 18.6.2 View Charge Preferential Pricing

This topic provides systematic instructions to view the configured charge preferential pricing.

The **View Charge Preferential Pricing** screen allows the user to view a list of configured charge preferential pricing. The user can configure charge preferential decision using [Create Charge Preferential Pricing](#).

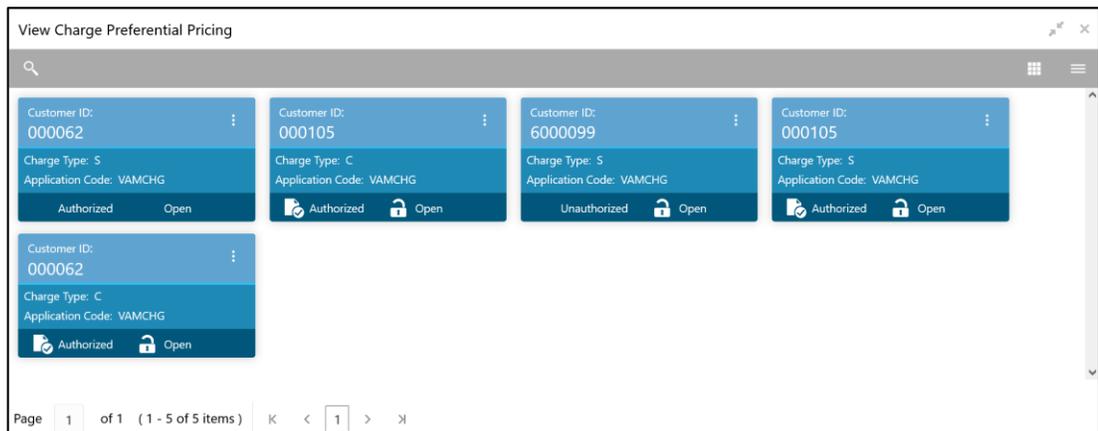
### Prerequisite

Specify **User ID** and **Password**, and login to **Home screen**.

1. On **Home Screen**, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Preferential Pricing**.
3. Under **Charge Preferential Pricing**, click **View Charge Preferential Pricing**.

→ The **View Charge Preferential Pricing** screen appears.

**Figure 124: View Charge Preferential Pricing**



For more information on fields, refer to the field description table below.

**Table 82: View Charge Preferential Pricing – Field Description**

Field	Description
<b>Customer ID</b>	Displays the customer ID.
<b>Charge Type</b>	Displays the charge type.
<b>Application Code</b>	Displays the application code.

Field	Description
Status	Displays the status of the record.

## 18.7 Charge Inquiry

This topic provides the information to query the charges collected for a customer for a given period.

This topic contains following subtopics:

- [Charge Inquiry](#)

### 18.7.1 Charge Inquiry

This topic provides the systematic instructions to query the charges collected for a customer for a specified period.

This **Charge Inquiry** screen allows the user to query the charges for a customer for a specified charge calculation period.

#### Prerequisite

Specify **User ID** and **Password**, and login to **Home** screen.

1. On **Home** Screen, click **Oracle Banking Liquidity Management System**. Under **Oracle Banking Liquidity Management System**, click **Maintenance**.
2. Under **Maintenance**, click **Charges**. Under **Charges**, click **Charge Inquiry**.
3. Under **Charge Inquiry**, click **Charge Inquiry**.

→ The **Charge Inquiry** screen appears.

**Figure 125: Charge Inquiry**

The screenshot shows the 'Charge Inquiry' application window. It features several search filters: 'Customer ID' (with a search icon), 'Customer Name' (displaying 'No Customer Selected'), 'Charge Code' (with a search icon), and 'Charge Description' (displaying 'No Charge Code Selected'). There is also a 'Collection Status' dropdown menu set to 'Select' and a 'Charge Period Date Range' field with calendar icons. Below the filters are 'Search' and 'Reset' buttons, and an 'Export' button on the right. A table with columns: 'From Date', 'To Date', 'Additional Info', 'Description', 'CCY', 'Amount', 'Charge Account CCY', 'Charge Account', 'Exchange Rate', 'Posted Amount', 'Collection Date', 'Collection Status', 'Error Description', and 'Charge Code' is shown. The table contains the text 'No data to display.' At the bottom, there is a pagination control showing 'Page 1 (0 of 0 items)' with navigation arrows and a '1' in a box.

4. On **Charge Inquiry** screen, specify the fields.

**Note:** The fields which are marked with asterisk are mandatory.

For more information on fields, refer to the field description table below.

**Table 83: Charge Inquiry – Field Description**

<b>Field</b>	<b>Description</b>
<b>Customer ID</b>	Click <b>Search</b> icon to view and select the customer ID to whom the charges need to be queried.
<b>Customer Name</b>	Displays the name of the customer based on Customer ID selected.
<b>Charge Code</b>	Click <b>Search</b> icon to view and select the charge code.
<b>Charge Description</b>	Displays the description of the charge code.
<b>Collection Status</b>	Select the collection status. The available options are: <ul style="list-style-type: none"> <li>• SUCCESS</li> <li>• PENDING</li> <li>• FAILED</li> </ul>
<b>Charge Period Date Range</b>	Displays the date range for which the charges need to be queried.
<b>Search Result</b> Click <b>Search</b> to query the charge details. Click <b>Reset</b> to reset the search criteria.	
<b>From Date</b>	Displays the charge period start date.
<b>To Date</b>	Displays the charge period end date.
<b>Additional Info</b>	Displays the additional information like charge reference number, charge description and structure code for structure level charges.

Field	Description
<b>Description</b>	Displays the description of the charges.
<b>CCY</b>	Displays the currency of the charges.
<b>Amount</b>	Displays the charge amount.
<b>Charge Account CCY</b>	Displays the currency of the charge account.
<b>Charge Account</b>	Displays the charge account number.
<b>Exchange Rate</b>	Displays the exchange rate used in case the charge currency and charge account currency are different.
<b>Posted Amount</b>	Displays the posted amount.
<b>Collection Date</b>	Displays the charge collection date.
<b>Collection Status</b>	Displays the collection status.
<b>Error Description</b>	Displays the error in case of charge posting failures.
<b>Charge Code</b>	Displays the charge code.

5. Click **Export** to export the details in .csv format.

## 19 Errors Codes and Messages

Error Code	Error Messages
GCS-AUTH-01	Record Successfully Authorized
GCS-AUTH-02	Valid modifications for approval were not sent. Failed to match
GCS-AUTH-03	Maker cannot authorize
GCS-AUTH-04	No Valid unauthroized modifications found for approval.
GCS-CLOS-002	Record Successfully Closed

<b>Error Code</b>	<b>Error Messages</b>
GCS-CLOS-01	Record Already Closed
GCS-CLOS-02	Record Successfully Closed
GCS-CLOS-03	Unauthorized record cannot be closed, it can be deleted before first authorization
GCS-COM-001	Record does not exist
GCS-COM-002	Invalid version sent, operation can be performed only on latest version
GCS-COM-003	Please Send Proper ModNo
GCS-COM-004	Please send makerId in the request
GCS-COM-005	Request is Null. Please Resend with Proper Values
GCS-COM-006	Unable to parse JSON
GCS-COM-007	Request Successfully Processed
GCS-COM-008	Modifications should be consecutive.
GCS-DEL-001	Record deleted successfully
GCS-DEL-002	Record(s) deleted successfully
GCS-DEL-003	Modifications didnt match valid unauthorized modifications that can be deleted for this record
GCS-DEL-004	Send all unauthorized modifications to be deleted for record that is not authorized even once.
GCS-DEL-005	Only Maker of first version of record can delete modifications of record that is not once authorized.
GCS-DEL-006	No valid unauthroized modifications found for deleting

<b>Error Code</b>	<b>Error Messages</b>
GCS-DEL-007	Failed to delete. Only maker of the modification(s) can delete.
GCS-MOD-001	Closed Record cannot be modified
GCS-MOD-002	Record Successfully Modified
GCS-MOD-003	Record marked for close, cannot modify.
GCS-MOD-004	Only maker of the record can modify before once auth
GCS-MOD-005	Not amendable field, cannot modify
GCS-MOD-006	Natural Key cannot be modified
GCS-REOP-003	Successfully Reopened
GCS-REOP-01	Unauthorized Record cannot be Reopened
GCS-REOP-02	Failed to Reopen the Record, cannot reopen Open records
GCS-REOP-03	Successfully Reopened
GCS-REOP-04	Unauthorized record cannot be reopened, record should be closed and authorized
GCS-SAV-001	Record already exists
GCS-SAV-002	Record Saved Successfully.
ST-SAVE-027	Request Successfully Processed
CC-BNK-003	Only one Bank Code is allowed.
CC-ACC-002	Currency should be null for Multi-Currency Account
CMC-ACC-PII01	User doesnt have access to PII data, cannot perform create or modify operations

<b>Error Code</b>	<b>Error Messages</b>
GCS-REJ-001	A rejected record cannot be closed. Please delete this modification.
GCS-REJ-002	A rejected record cannot be reopened. Please delete this modification.
GCS-REJ-003	Invalid modifications sent for reject. Highest modification must also be included.
GCS-REJ-004	Record Rejected successfully
GCS-REJ-005	Maker cannot reject the record.
GCS-REJ-006	Checker remarks are mandatory while rejecting.
GCS-REJ-007	No valid modifications found for reject.
GCS-REJ-008	Invalid modifications sent for reject. Consecutive modifications must be included.
LMC-ERR-003	Maximum Amount should be greater than Minimum Amount
LMC-ERR-004	Maximum should be greater than Minimum
LMC-ERR-005	Maximum Deficit should be greater than Minimum Deficit
LMC-ERR-001	Fixed amount should maintained between the range of defined minimum and maximum amount
LMC-ERR-002	Instruction is assigned to structure(s). Failed to close
LMG-INF-ACCEPT-MSG	Message Received Successfully
LMG-INF-SUCCESS-MSG	Balance Updated Successfully
LMG-INF-STMT-OOO	Message received out of order, Balance update kept on Hold

<b>Error Code</b>	<b>Error Messages</b>
LMG-INF-BASEMSG-NOTFND	Base message not received for third party account number. Balance update kept on Hold
LMG-ERR-INV-MSGFRMT	Message format incorrect
LMG-ERR-DUP-MSG	Duplicate message
LMG-ERR-CY-MISMATCH	Currency code mismatch for third party account
LMG-ERR-ACT-NOTFND	Third party account number does not exist
LMG-ERR-AVAILBAL-NOTFND	Available Balance not received in message, which is required for sweep execution
LMG-INF-DATE-ONHOLD	Message received with future Date, Balance update kept on Hold
LMG-ERR-DATE-MISMATCH	Message received with older date
LMG-INF-SWEEP-ONHOLD	Sweep execution in-progress, Balance update kept on hold
LMG-INF-UNP-ONHOLD	Previous message in UnProcessed state, Balance update kept on hold
LMG-INF-MSG-ONHOLD	Previous message on hold, So Balance update kept on Hold
LMG-ERR-INVALID-BIC	Invalid sender BIC Code
LMG-ERR-MUL-940	MT940 already received for the day
LMG-ERR-TAG-NOTFND	MT942 message need Tag61 or Tag90 for balance calculation
LMG-ERR-RUNTIME	Error while processing message
LMG-INF-SUPRESS-MSG	Message suppressed Successfully

<b>Error Code</b>	<b>Error Messages</b>
LMG-ERR-SUPRESS-MSG	Message cannot be Suppressed, message not in Hold
LMG-INF-MT942-CONFIG	MT942 MessageType Configuration Missing in Branch Parameter Screen
LMG-INF-ACT-CLOSED	Account in closed state
LMG-ERR-MT942-DATE	Tag 13D doesnot match with Todays date
LMG-ERR-BASEMSG-RECEIVED	Base Message already received for the day
LMG-ERR-SUPRESS-INTR-MSG	Intermediate Message Received, Message Got Supressed
LMG-ERR-BASEMSG-NOTFND	Base message not received for third party account number
LMP-POOL-001	Pool not allowed at System level
LMP-POOL-002	No Structure exists with given Structure Id
LMP-POOL-003	Pool Initiated for structure
LMP-POOL-004	Pool Initiated for Branch
LMP-POOL-005	Reallocation Initiated for structure
LMP-POOL-006	Reallocation executed for Structures
ICL-GET-001	Exception occured while processing current request
ICL-LMT-001	Customer ID is not present.
ICL-LMT-002	Customer ID is not a valid lender.
ICL-LMT-003	Error encountered while converting amount.
ICL-LMT-004	Lending amount cannot exceed the Overall lend limit.
ICL-LMT-005	Lend limit is not defined for specified pair.

<b>Error Code</b>	<b>Error Messages</b>
ICL-LMT-006	Lending amount cannot exceed the remaining lend limit between accounts.
ICL-LMT-007	Lend limit is available for the customer.
ICL-LMT-008	Exception occurred while fetching lend limit
ICL-MOD-001	No loan exist with given ID
ICL-MOD-002	No loan exist with given sweep log ID
ICL-SAV-001	Exception occurred while fetching Loan details
ICL-SAV-002	Error while fetching structure details
ICL-STL-001	Error encountered while initiating reverse sweep
ICL-STLMT-001	Settlement initiated successfully
ICL-STLMT-002	Failed to initiate settlement
ICL-STLMT-003	Error encountered while initiating reverse sweep
ICL-STLMT-004	Structure not found
ICL-STLMT-005	Failed while fetching Structure details. Please check the log
ICL-STLMT-006	Loan is not active
ICL-STLMT-007	No loan exist with given Loan Reference
ICL-STLMT-008	Cannot initiate the loan settlement as loan o/s amount is 0
LMM-ACC-001	Account Status is Mandatory!!!
LMM-ACC-002	Account Category is Mandatory!!!
LMM-ACC-003	Account Record Created in IC and Authorized successfully

<b>Error Code</b>	<b>Error Messages</b>
LMM-ACC-004	Account Record Authorized successfully but failed to create in IC
LMM-ACC-005	Account Record Authorized successfully
LMM-ACC-006	Account Category validation Failed
LMM-ACC-007	Account Status validation Failed
LMM-ACC-008	Branch Validation Failed
LMM-ACC-009	Account Group Code Not available
LMM-ACC-010	Account Number already exists
LMM-ACC-011	Customer Id not mapped with User
LMM-ACC-012	Customer Id not available
LMM-ACC-013	Account authorized in LM but Failure creating account in IC
LMM-ACC-014	Record Successfully Modified and Authorized
LMM-ACC-015	Failure Authorizing account
LMM-ACC-016	Account Updated Successfully
LMM-ACC-017	Account Balances Updated Successfully
LMM-ACC-018	Third Party Account address line should not exceed 35 characters
LMM-ACC-019	Account Record Modified in IC and Authorized successfully
LMM-ACC-020	Account Record Authorized successfully but failed to modify in IC
LMM-BRN-001	Branch details not available

<b>Error Code</b>	<b>Error Messages</b>
LMM-ERR-001	Invalid Parent Customer Id, cyclic customer linkage not allowed
LM-CUS-PII01	User doesnt have access to PII data, cannot perform create or modify operations
LMX-INGT-001	Account Pair Record Already Exists.
LMX-INGT-002	Message already procesed for external reference \$1.
LMX-INGT-003	Account Updated Successfully.
LMX-IOERR-001	Balances not available
LMX-IOERR-002	Generic Exception during SDE processing
IC-ACC-01	Branch Dates could not be resolved
IC-ACC-02	Failed while fetching user globals
IC-ACC-03	Could not get account
IC-ACC-04	Failed during Lookup
IC-ACC-05	Unhandled exception occurred during Lookup
IC-ACC-06	Bombed while converting the amount
IC-ACC-07	Unhandled Exception occurred
IC-ACC-08	Required Parameters for Account Class transfer not maintained
IC-ACC-09	Unhandled Exception occurred during Account Class transfer check
IC-ACC-50	Exception Occurred while querying Intraday Table for Product Accrual
IC-ACC-51	Exception Occurred while posting Liquidation Netting

<b>Error Code</b>	<b>Error Messages</b>
IC-ACC-52	Failed while populating Product Accrual Entries
IC-ACC-53	Failed while updating final status
IC-ACC-54	Failed while querying branch parameters
IC-ACC-55	Lookup failed for product code \$1
IC-ACC-57	Failed During Currency Conversion for product \$1
IC-ACC-58	Failed while marking entry passed for product \$1
IC-ACC-59	Exception Occurred while preparing Accounting Entries for Product Accrual for product \$1
IC-BAT-133	Error Occurred during Service Call to Interest Accrual
IC-BAT-121	Failed in verifying pending process for the branch
IC-BAT-131	Error Occurred during Service Call to Allocation
IC-BAT-132	Error Occurred during Service Call to Interest Calc
IC-BAT-134	Error Occurred during Service Call to Interest Liquidation
IC-BAT-135	Error Occurred during Service Call to Charge
IC-BAT-136	Error Occurred during Service Call to Accounting
IC-BAT-137	Error Occurred during Service Call to Product Accounting
IC-BAT-138	Error Occurred during Service Call to Resolve Branch
IC-BAT-139	Error Occurred during Service Call to Resolve Account
IC-BAT-140	Error Occurred during Service Call to Mark Cutoff
IC-BAT-141	Error Occurred during Service Call to Release Cutoff
IC-BRNC-01	Invalid Branch Parameter

<b>Error Code</b>	<b>Error Messages</b>
IC-CHGERR01	Failed while fetching user globals
IC-CHGERR02	Branch Dates could not be resolved
IC-CHGERR03	Could not get account
IC-CHGERR04	Could not get account
IC-CHGERR05	Error Occurred during Initialization
IC-CHGERR06	Bombed while converting the amount
IC-CHGERR07	Failed while deriving charge amount
IC-CHGERR08	Failed while deriving min/max amount
IC-CHGERR09	Failed during LCY Conversion
IC-CHGERR10	Failed While Caching Details for Charge Slab
IC-CHGERR11	Problem as both discount amt and discount percentage maintained
IC-CHGERR12	Failed while fetching Slab Details
IC-CHGERR13	Failed while fetching Tier Details
IC-CHGERR14	Failed during amount round
IC-CHGERR17	Failed while fetching product details
IC-CHGERR19	Failed during currency conversion
IC-CHGERR23	Failed while fetching Charge Entries
IC-CHGERR24	Failed while Processing Charge
IC-CHGERR25	Failed while updating liqd dates
IC-CHGERR28	Could not get the book type

<b>Error Code</b>	<b>Error Messages</b>
IC-GETSP-01	No details present for the given Branch and Account
IC-BAT-142	Error Occurred during Service Call to Pre Branch Resolution
IC-BAT-160	Failed while getting pending count for Intraday Batch
IC-BAT-161	Failed during service call for Intraday Batch
IC-GRC001	Effective Date cannot be Back Dated.
IC-GRC002	Current IC Group and New IC Group cannot be same.
IC-GRC003	Account Branch and currency cannot be *.* for given Account.
IC-GRC004	Pending request is active for an Account, therefore new change request is not allowed to be saved
IC-GRC005	Booking GL details and accounting details are mandatory if Liquidation mode is Liquidate to GL or Liquidate to Different Account respectively
IC-INPER-01	Account is Mandatory
IC-INPER-02	Account Group Code is Mandatory
IC-INPER-03	Account Open Date is Mandatory
IC-INPER-04	Branch is Mandatory
IC-INPER-05	Currency is Mandatory
IC-INPER-06	Customer Number is Mandatory
IC-INPER-07	Source System is Mandatory
IC-INPER-09	No Records to process
IC-INPER-11	Maint Queue Population Failed

<b>Error Code</b>	<b>Error Messages</b>
IC-INPER-20	Branch Parameter Not maintained
IC-INPT-001	No records present for given branch and account
IC-INPT-002	Exceeded accGrp max size 6
IC-INPT-003	accGrp not sent
IC-INPT-004	Exceeded accGrpDesc max size 2000
IC-INPT-005	accGrpDesc not sent
IC-INPT-006	Exceeded extAccGrp max size 64
IC-INPT-007	extAccGrp not sent
IC-INPT-008	Exceeded extAccGrpDesc max size 2000
IC-INPT-009	extAccGrpDesc not sent
IC-INPT-010	Exceeded extAccGrpType max size 1
IC-INPT-011	extAccGrpType not sent
IC-INPT-012	Exceeded productCode max size 4
IC-INPT-013	productCode not sent
IC-INPT-014	Exceeded ccy max size 3
IC-INPT-015	ccy not sent
IC-INPT-016	Exceeded open max size 1
IC-INPT-017	open not sent
IC-IPTAC-01	Record Already Exists, Failed to save.
IC-IPTVD-01	Ref No in the request must be unique

<b>Error Code</b>	<b>Error Messages</b>
IC-MNRUL-01	System elements not mapped to the Rule
IC-MNTBR-01	Error while validation of branch code using common core branch services
IC-MNTBR-02	Branch code not found in core branches
IC-MNTBR-03	IC Period Code Maintenance is not present
IC-MNTBR-04	Error while fetching system date values from CMC Branch Services
IC-MNTBR-05	Branch code not found in system dates
IC-PRCBT002	To Period Code should be greater than From Period Code
IC-PRCBT003	Profit calculation exclusion batch not executed for the given period
IC-PRD054	Value of Accrual Day should be less than or equal to 31
IC-PRD061	Frequency is blank in product preferences
IC-PRD062	Branch Parameter not maintained
IC-PRD123	Both start from account opening and defer liquidation days flags cannot be selected at the same time
IC-PRD120	Defer liquidation days should not be entered when defer liquidation flag is not selected
IC-PRD121	Defer before month end days should not be entered when defer liquidation flag is not selected
IC-PRD122	Defer liquidation days or defer before month end days should be entered when defer liquidation flag is selected
IC-PRD124	Days before month end should not be entered for frequency days

<b>Error Code</b>	<b>Error Messages</b>
IC-PRD125	Both defer liquidation days and defer before month end day cannot be entered at the same time
IC-PRD126	Accrual cycle should be None when accrual frequency is Daily
IC-PRD201	Interest liquidation frequency has to be monthly and Liquidation at Month End flag has to be checked if the Split Interest Adj for Prev Year is required
IC-RL0007	Rule Id has invalid characters
IC-RL0008	Blank characters are not allowed in Rule Id
IC-RL0009	Rule Id - First character should be an alphabet or underscore
IC-RL0048	Requires atleast one formula with a valid expression for a rule
IC-RL0056	Required atleast one booked formula to save the rule
IC-RLM060	Rounding Required should be checked when Book FFlag is "Booked" and periodicity is "Daily/ Periodic"
IC-RLM061	Accruals Required should be Unchecked when Book FFlag is "Non-Booked" and periodicity is "Daily/Periodic"
IC-RLM069	Length of Rule Id should be equal to 4 characters
IC-RULE-01	SDE Id and UDE Id should be different
IC-RULE-02	Result cannot have logical operator
IC-SPRM-001	Service Parameters cannot be empty
IC-PRD132	Minimum Variance cannot be greater than Maximum Variance

<b>Error Code</b>	<b>Error Messages</b>
IC-PRD131	Min Effective Value cannot be greater than Max Effective Value
LMG-INF-002	Balance updated Successfully
LMG-ERR-015	MT940 already received for the day
LMG-ERR-003	Message format is incorrect
LMG-ERR-005	Currency code mismatch for third party account
LMG-ERR-006	Third party account number doesn't exist
ACC_PRD-01	Unhandled Exception occurred
ACC_PRD-02	Invalid Product Accounting entry setup
ACC_PRD-03	Product code cannot be null
ACC_PRD-04	IC Branch Date not available for the current branch
INT-MCT-001	Release CutOff is not processed for previous mark CutOff
INT-MCT-002	Branch Code Not Valid
INT-MCT-003	Branch Dates Not Set
INT-MCT-004	Branch Dates Not Maintained
INT-MCT-005	Error Occurred in Mark Cutoff
INT-RCT-001	No data found for this branchCode in CutOff
INT-RCT-002	Release CutOff is already processed
INT-RCT-003	Error occurred while processing Release CutOff
INT-RCT-004	Branch Code Not Valid
INT-PRC-001	No data found for this branchCode in BranchDates

<b>Error Code</b>	<b>Error Messages</b>
INT-PRC-002	Release Cutoff Failed
IO-ERR-001	Please add Participant Accounts.
IO-ERR-002	Please add the Currency Rates.
IO-ERR-003	Nominated account Currency should be the same as Threshold Currency
IO-ERR-004	Please add only Nomination Rates
IO-ERR-005	Please remove Nomination Rates
IO-ERR-006	Currency in Nomination Rate should be the same the Threshold Currency
IO-ERR-007	Please add Currency Premium Rates
IO-ERR-010	Currency Thresholds not allowed if Nominated Account is provided
LMP-POOL-001	Pool not allowed at System level
LMP-POOL-002	No Structure exists with given Structure Id
LMP-POOL-003	Pool Initiated for structure
LMP-POOL-004	Pool Initiated for Branch
LMP-POOL-005	Reallocation Initiated for structure
LMP-POOL-006	Reallocation executed for Structures
IN-HEAR-583	Period Dates should be within Financial Cycle Start and End Date
RTL-ERR-001	RTL Structure for account does not exist.
LMA-STR-001	Structure Validation Successful!!!

<b>Error Code</b>	<b>Error Messages</b>
LMA-STR-002	Error in Structure Validation!!!
LMA-STR-003	Record Successfully Submitted and Authorized
LMA-STR-004	Failed to Auto Authorize Record
LMA-STR-005	Record Successfully Submitted
LMA-STR-006	Failed to Submit Record
LMA-STR-007	Empty input data
LMA-STR-008	Account Category is mandatory \$1
LMA-STR-009	No Header account exists for the structure
LMA-STR-010	No Child account exists for the structure
LMA-STR-011	Pool Structure Type cannot have Account Type as Sweep
LMA-STR-012	Sweep Structure Type cannot have Account Type as Pool
LMA-STR-013	Hybrid Structure Type should have both Account Type Pool and Sweep
LMA-STR-014	All Selected Accounts must be used in Structure!!!
LMA-STR-015	No Linked Account data
LMA-STR-016	Structure Status is Incomplete
LMA-STR-017	No account exists for the structure
LMA-STR-018	Interest Method should be I for sweep and hybrid structure
LMA-STR-019	Effective Date should be before than end date
LMA-STR-020	Central Account Details should be specified for structure having reallocation method as Central Distribution

<b>Error Code</b>	<b>Error Messages</b>
LMA-STR-021	Central Account is not active
LMA-STR-022	Central Account does not exist in OBLM \$1
LMA-STR-023	Structure Id or version no is null \$1
LMA-STR-024	Structure Type is null
LMA-STR-025	Structure Status is null
LMA-STR-026	Structure Description is null
LMA-STR-027	Structure Effective Date is null
LMA-STR-028	Structure End Date is null
LMA-STR-029	Structure Priority is null
LMA-STR-030	Structure Source is null
LMA-STR-031	Structure Post Sweep Balance is null
LMA-STR-032	Structure Interest Method is null
LMA-STR-033	Structure Balance Type is null
LMA-STR-034	Structure FX Rate Pick up is null
LMA-STR-035	Account is not active \$1
LMA-STR-036	Account is not active or does not exist in OBLM \$1
LMA-STR-037	Child Account \$1 customer \$2 is not child of Parent Customer
LMA-STR-038	Child account cannot be a Notional Account \$1
LMA-STR-039	Parent Account cannot be an External Account \$1
LMA-STR-040	Child of a Notional Account cannot be Sweep Type \$1

<b>Error Code</b>	<b>Error Messages</b>
LMA-STR-041	Pool type account cannot have instruction attached
LMA-STR-042	Pool type account cannot have payment instruction attached \$1
LMA-STR-043	Sweep type account should have payment instruction attached \$1
LMA-STR-044	Sweep Priority should be defined for Account Ref \$1
LMA-STR-045	Reverse sweep Frequency should be assigned is reverse sweep is allowed \$1
LMA-STR-046	Child Branch not available
LMA-STR-047	Parent Branch not available
LMA-STR-048	Child Bank not available
LMA-STR-049	Parent Bank not available
LMA-STR-050	Cross Border \$1 not allowed for account pair
LMA-STR-051	Domestic not allowed for account pair
LMA-STR-052	Cross Currency not allowed for account pair
LMA-STR-053	Parent Account Currency is null: \$1
LMA-STR-054	Child Account Currency is null: \$1
STR-MOD-001	Structure should contain atleast one Internal account
STR-MOD-002	Further modifications not allowed as unauthorized channel modification still exists
SW-ERR-001	Sweep not allowed at System level
SW-ERR-002	Structure is not active or paused

<b>Error Code</b>	<b>Error Messages</b>
SW-ERR-003	Header account is not active
SW-ERR-004	Sweep already pending for structure
SW-ERR-005	Structure \$1 does not exist or not active.
SW-ERR-006	No Structure selected.
SW-ERR-007	No Acc pair selected.
SW-ERR-008	Structure is not active:- \$1
SW-ERR-009	Sweep Failed for Structures:- \$1
SW-ERR-010	Sweep executed for Structures.
SW-ERR-011	Account Pair Record Already Exists.
SW-ERR-012	Structure Sweep Record Already Exists.
SW-ERR-013	User does not have necessary roles/activity assigned.
SW-ERR-014	Previous handoff is not completed for account pair \$1
SW-ERR-016	No system account exist for this ID
SW-ERR-017	Failed while creating System Account
SW-ERR-018	System Account created successfully
SW-ERR-019	Failed while creating and authorizing IC Account
SW-ERR-020	IC Account created and authorized successfully
SW-ERR-021	Failed while recording repayment for Reverse Sweep :- \$1
SW-ERR-022	Failed while rejecting loan for Sweep Log :- \$1
SW-ERR-023	Failed while activating loan for Sweep Log :- \$1

<b>Error Code</b>	<b>Error Messages</b>
SW-ERR-024	Failed while creating VD balance record in IC for system account :- \$1
SW-ERR-025	Internal VD balance record created successfully
SW-ERR-026	Failed while creating internal VD balance record for system account :- \$1
SW-ERR-027	Failed while updating internal VD balance record for system account :- \$1
SW-ERR-028	Internal VD balance record updated successfully
SW-ERR-029	Failed while updating System Account - \$1
SW-ERR-030	IC Account successfully updated for account number :- \$1
SW-ERR-031	Failed while updating IC Account for account number :- \$1
SW-ERR-032	No system account exists for Account Number :- \$1
SW-ERR-033	Failed to record repayment on loan with Sweep Log ID :- \$1
SW-ERR-034	VD balance updated successfully
SW-ERR-015	No system account exist for this sweep ID
SW-ERR-035	Instruction ID \$1 For Account Number \$2 is in Suspension Period

## 20 Functional Activity Codes

Screen Name	Functional Activity Code
RTL Structure	LRT_FA_STRUCTURE_VIEW
	LRT_FA_STRUCTURE_REOPEN
	LRT_FA_STRUCTURE_MODIFY
	LRT_FA_STRUCTURE_LOV
	LRT_FA_STRUCTURE_KEY
	LRT_FA_STRUCTURE_DELETE
	LRT_FA_STRUCTURE_CREATE
	LRT_FA_STRUCTURE_CLOSE
	LRT_FA_STRUCTURE_AUTHORIZE
RTL Sublimit Monitor	LRT_FA_RTL_SUBLIMIT_MONITOR_VIEWALL
RTL Monitor	LRT_FA_RTL_MONITOR_VIEWALL
WHT Interest Map	LMX_FA_WHT_INTEREST_MAP
Batch	LMX_FA_REVERSE_SWEEP_VIEW
	LMX_FA_POST_HANDOFF
Structure Maintenance	LMX_FA_PENDING_SWEEP_HANDOFF
MBCC Monitor	LMX_FA_MBCC_VIEW
Interface Monitor	LMX_FA_INTERFACE_MONITOR_VIEW

Screen Name	Functional Activity Code
<b>Interface Instruction</b>	LMX_FA_INTERFACE_INSTRUCTION_VIEW
	LMX_FA_INTERFACE_INSTRUCTION_REOPEN
	LMX_FA_INTERFACE_INSTRUCTION_MODIFY
	LMX_FA_INTERFACE_INSTRUCTION_LOV
	LMX_FA_INTERFACE_INSTRUCTION_DELETE
	LMX_FA_INTERFACE_INSTRUCTION_CREATE
	LMX_FA_INTERFACE_INSTRUCTION_CLOSE
	LMX_FA_INTERFACE_INSTRUCTION_AUTHORIZE
<b>Interest Optimization</b>	LMX_FA_INTERESTOPTIMIZATION_VIEW
	LMX_FA_INTERESTOPTIMIZATION_REOPEN
	LMX_FA_INTERESTOPTIMIZATION_PROCESSED
	LMX_FA_INTERESTOPTIMIZATION_MODIFY
	LMX_FA_INTERESTOPTIMIZATION_GETIOSTRUCTUREID
	LMX_FA_INTERESTOPTIMIZATION_DELETE
	LMX_FA_INTERESTOPTIMIZATION_CREATE
	LMX_FA_INTERESTOPTIMIZATION_CLOSE
	LMX_FA_INTERESTOPTIMIZATION_AUTHORIZE
<b>Batch</b>	LMX_FA_GET_AVAIL_BALANCE
<b>Batch</b>	LMX_FA_GETBY_VALUEDATE_MT

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Batch</b>	LMX_FA_EVENTLOG_VIEW
	LMX_FA_EVENTLOG_PUBLISH
	LMX_FA_EVENTLOG_CREATE
<b>Sweep</b>	LMX_FA_ACKNACK_PROCESS
<b>Batch</b>	LMX_FA_ACKNACKAUTH_PROCESS
<b>Sweep Execution</b>	LMS_FA_SWEEP_MONITOR_VIEW
<b>Account Pair Sweep</b>	LMS_FA_SWEEP_BATCH_EXECUTE
<b>Batch</b>	LMS_FA_SWEEPDATA_VIEW
	LMS_FA_SWEEPDATA_UPDATE
	LMS_FA_SWEEPDATA_CREATE
	LMS_FA_SWEEPASYNC_STR
	LMS_FA_SWEEPASYNC_ACCPAIR
<b>Reverse Sweep Monitor</b>	LMS_FA_REVERSE_SWEEP_VIEW
<b>Account Pair Sweep &amp; Structure Sweep</b>	LMS_FA_ADHOC_SWEEP_REJECT
<b>Account Pair Sweep &amp; Structure Sweep</b>	LMS_FA_ADHOC_SWEEP_FETCH
<b>Account Pair Sweep &amp; Structure Sweep</b>	LMS_FA_ADHOC_SWEEP_AUTHORIZE
<b>Sweep Execution</b>	LMS_FA_ADHOC_STR_SWEEP_VIEW
<b>Sweep Execution</b>	LMS_FA_ADHOC_STR_SWEEP_SUMMARY
<b>Sweep Execution</b>	LMS_FA_ADHOC_STR_SWEEP_INITIATE

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Sweep Execution</b>	LMS_FA_ADHOC_ACCPAIR_SWEEP_VIEW
<b>Sweep Execution</b>	LMS_FA_ADHOC_ACCPAIR_SWEEP_SUMMARY
<b>Sweep Execution</b>	LMS_FA_ADHOC_ACCPAIR_SWEEP_INITIATE
<b>Account Pair Sweep &amp; Structure Sweep</b>	LMS_FA_ACCOUNTPAIR_SWEEP_BATCH_ACCPAIR
<b>Exceptions Monitor/Account Structure</b>	LMR_FA_REPORTS_VIEW
	LMR_FA_SAVE_EXCPETION
<b>Interest Accrual Monitor</b>	LMR_FA_INT_ACCR_VIEW
<b>Exception Monitor</b>	LMR_FA_EXCEPTIONS_VIEW
<b>Exception Monitor</b>	LMR_FA_EXCEPTIONS_REPORT
<b>Pool Batch</b>	LMP_FA_REALLOCATIONLOG_MODIFY
<b>Pool Batch</b>	LMP_FA_REALLOCATIONLOG_FETCHPENDING
<b>Reallocation Pool Monitor</b>	LMP_FA_POOL_REALLOCMONITOR_VIEWALL
<b>Pool Monitor</b>	LMP_FA_POOL_MONITOR_VIEWALL
<b>Pool Monitor</b>	LMP_FA_POOL_MONITOR_VIEW
<b>Pool Batch</b>	LMP_FA_POOL_INVOKE_REALLOCFORSTR
<b>Pool Batch</b>	LMP_FA_POOL_INVOKE_FORSTR
<b>Pool Batch</b>	LMP_FA_POOL_INVOKE_FORBRANCH
<b>Pool Batch</b>	LMP_FA_POOL_GET_ICENTRIES

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>User Linkage Maintenance</b>	LMM_FA_USER_LINKAGE_VIEW
	LMM_FA_USER_LINKAGE_REOPEN
	LMM_FA_USER_LINKAGE_MODIFY
	LMM_FA_USER_LINKAGE_LOV
	LMM_FA_USER_LINKAGE_DELETE
	LMM_FA_USER_LINKAGE_CREATE
	LMM_FA_USER_LINKAGE_CLOSE
	LMM_FA_USER_LINKAGE_AUTHORIZE
<b>MBCC Currency Cutoff</b>	LMM_FA_MBCC_CUTOFF_VIEW
	LMM_FA_MBCC_CUTOFF_REOPEN
	LMM_FA_MBCC_CUTOFF_MODIFY
	LMM_FA_MBCC_CUTOFF_LOV
	LMM_FA_MBCC_CUTOFF_DELETE
	LMM_FA_MBCC_CUTOFF_CREATE
	LMM_FA_MBCC_CUTOFF_CLOSE
	LMM_FA_MBCC_CUTOFF_AUTHORIZE

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Account Group</b>	LMM_FA_INTEREST_ACCOUNT_GROUP_VIEW
	LMM_FA_INTEREST_ACCOUNT_GROUP_REOPEN
	LMM_FA_INTEREST_ACCOUNT_GROUP_MODIFY
	LMM_FA_INTEREST_ACCOUNT_GROUP_LOV
	LMM_FA_INTEREST_ACCOUNT_GROUP_DELETE
	LMM_FA_INTEREST_ACCOUNT_GROUP_CREATE
	LMM_FA_INTEREST_ACCOUNT_GROUP_CLOSE
	LMM_FA_INTEREST_ACCOUNT_GROUP_AUTHORIZE
<b>Sweep Frequency Maintenance</b>	LMM_FA_FREQUENCY_VIEW
	LMM_FA_FREQUENCY_REOPEN
	LMM_FA_FREQUENCY_MODIFY
	LMM_FA_FREQUENCY_LOV
	LMM_FA_FREQUENCY_DELETE
	LMM_FA_FREQUENCY_CREATE
	LMM_FA_FREQUENCY_CLOSE
	LMM_FA_FREQUENCY_AUTHORIZE

Screen Name	Functional Activity Code
<b>Third Party Branch Parameters</b>	LMM_FA_EXT_BRANCH_PARAMETERS_VIEW
	LMM_FA_EXT_BRANCH_PARAMETERS_REOPEN
	LMM_FA_EXT_BRANCH_PARAMETERS_MODIFY
	LMM_FA_EXT_BRANCH_PARAMETERS_DELETE
	LMM_FA_EXT_BRANCH_PARAMETERS_CREATE
	LMM_FA_EXT_BRANCH_PARAMETERS_CLOSE
	LMM_FA_EXT_BRANCH_PARAMETERS_AUTHORIZE
<b>Third Party Bank Parameters</b>	LMM_FA_EXT_BANK_PARAMETERS_VIEW
	LMM_FA_EXT_BANK_PARAMETERS_REOPEN
	LMM_FA_EXT_BANK_PARAMETERS_MODIFY
	LMM_FA_EXT_BANK_PARAMETERS_DELETE
	LMM_FA_EXT_BANK_PARAMETERS_CREATE
	LMM_FA_EXT_BANK_PARAMETERS_CLOSE
	LMM_FA_EXT_BANK_PARAMETERS_AUTHORIZE

Screen Name	Functional Activity Code
<b>Third Party Account Parameters</b>	LMM_FA_EXT_ACCOUNT_VIEW
	LMM_FA_EXT_ACCOUNT_REOPEN
	LMM_FA_EXT_ACCOUNT_MODIFY
	LMM_FA_EXT_ACCOUNT_DELETE
	LMM_FA_EXT_ACCOUNT_CREATE
	LMM_FA_EXT_ACCOUNT_CLOSE
	LMM_FA_EXT_ACCOUNT_AUTHORIZE
<b>Batch</b>	LMM_FA_EVENTS_VIEW
	LMM_FA_EVENTS_MODIFY
	LMM_FA_EVENTS_CREATE
	LMM_FA_EVENTS_AUTHORIZE
<b>Payment Instructions</b>	LMM_FA_DEF_PAYMNT_INS_VIEW
	LMM_FA_DEF_PAYMNT_INS_REOPEN
	LMM_FA_DEF_PAYMNT_INS_MODIFY
	LMM_FA_DEF_PAYMNT_INS_LOV
	LMM_FA_DEF_PAYMNT_INS_GETALL_TEMPLATE
	LMM_FA_DEF_PAYMNT_INS_DELETE
	LMM_FA_DEF_PAYMNT_INS_CREATE
	LMM_FA_DEF_PAYMNT_INS_CLOSE
	LMM_FA_DEF_PAYMNT_INS_AUTHORIZE

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Simulation</b>	LMM_FA_CUST_FORSIMULATION
<b>Customer Parameters</b>	LMM_FA_CUSTOMER_PARAMETERS_VIEW
	LMM_FA_CUSTOMER_PARAMETERS_REOPEN
	LMM_FA_CUSTOMER_PARAMETERS_MODIFY
	LMM_FA_CUSTOMER_PARAMETERS_LOV
	LMM_FA_CUSTOMER_PARAMETERS_GETHIERARCHY
	LMM_FA_CUSTOMER_PARAMETERS_DELETE
	LMM_FA_CUSTOMER_PARAMETERS_CREATE
	LMM_FA_CUSTOMER_PARAMETERS_CLOSE
	LMM_FA_CUSTOMER_PARAMETERS_AUTHORIZE
<b>Customer Balances Dashboard</b>	LMM_FA_CUSTOMER_BALANCES

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Currency Parameters</b>	LMM_FA_CURRENCY_PARAMETERS_VIEW
	LMM_FA_CURRENCY_PARAMETERS_REOPEN
	LMM_FA_CURRENCY_PARAMETERS_MODIFY
	LMM_FA_CURRENCY_PARAMETERS_LOV
	LMM_FA_CURRENCY_PARAMETERS_DELETE
	LMM_FA_CURRENCY_PARAMETERS_CREATE
	LMM_FA_CURRENCY_PARAMETERS_CLOSE
	LMM_FA_CURRENCY_PARAMETERS_AUTHORIZE
<b>Country Parameters</b>	LMM_FA_COUNTRY_PARAMETERS_VIEW
	LMM_FA_COUNTRY_PARAMETERS_REOPEN
	LMM_FA_COUNTRY_PARAMETERS_MODIFY
	LMM_FA_COUNTRY_PARAMETERS_LOV
	LMM_FA_COUNTRY_PARAMETERS_DELETE
	LMM_FA_COUNTRY_PARAMETERS_CREATE
	LMM_FA_COUNTRY_PARAMETERS_CLOSE
	LMM_FA_COUNTRY_PARAMETERS_AUTHORIZE

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Branch Parameters</b>	LMM_FA_BRANCH_PARAMETERS_VIEW
	LMM_FA_BRANCH_PARAMETERS_REOPEN
	LMM_FA_BRANCH_PARAMETERS_MODIFY
	LMM_FA_BRANCH_PARAMETERS_LOV
	LMM_FA_BRANCH_PARAMETERS_DELETE
	LMM_FA_BRANCH_PARAMETERS_CREATE
	LMM_FA_BRANCH_PARAMETERS_CLOSE
	LMM_FA_BRANCH_PARAMETERS_AUTHORIZE
<b>Bank Parameters</b>	LMM_FA_BANK_PARAMETERS_VIEW
	LMM_FA_BANK_PARAMETERS_REOPEN
	LMM_FA_BANK_PARAMETERS_MODIFY
	LMM_FA_BANK_PARAMETERS_LOV
	LMM_FA_BANK_PARAMETERS_DELETE
	LMM_FA_BANK_PARAMETERS_CREATE
	LMM_FA_BANK_PARAMETERS_CLOSE
	LMM_FA_BANK_PARAMETERS_AUTHORIZE
<b>Application Parameters</b>	LMM_FA_APPLICATION_PARAMS_VIEW
	LMM_FA_APPLICATION_PARAMS_MODIFY
	LMM_FA_APPLICATION_PARAMS_LOV
	LMM_FA_APPLICATION_PARAMS_AUTHORIZE

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Account Maintenance</b>	LMM_FA_ACCOUNT_VIEW
<b>Account Special Rate</b>	LMM_FA_ACCOUNT_SPECIAL_RATE_VIEWALL
	LMM_FA_ACCOUNT_SPECIAL_RATE_REOPEN
	LMM_FA_ACCOUNT_SPECIAL_RATE_NEW
	LMM_FA_ACCOUNT_SPECIAL_RATE_MODIFY
	LMM_FA_ACCOUNT_SPECIAL_RATE_HISTORY
	LMM_FA_ACCOUNT_SPECIAL_RATE_GETICPRODUCTS
	LMM_FA_ACCOUNT_SPECIAL_RATE_GETBYID
	LMM_FA_ACCOUNT_SPECIAL_RATE_DELETE
	LMM_FA_ACCOUNT_SPECIAL_RATE_CLOSE
	LMM_FA_ACCOUNT_SPECIAL_RATE_AUTHQUERY
	LMM_FA_ACCOUNT_SPECIAL_RATE_AUTH
<b>Simulation</b>	LMM_FA_ACCOUNT_SI
<b>Account Parameters</b>	LMM_FA_ACCOUNT_REOPEN
<b>Scheduled Job</b>	LMM_FA_ACCOUNT_MT942
<b>Structure Maintenance</b>	LMM_FA_ACCOUNT_MODIFYAUTOAUTH
<b>Account Parameters</b>	LMM_FA_ACCOUNT_MODIFY
<b>Account Parameters</b>	LMM_FA_ACCOUNT_LOV

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Account Parameters</b>	LMM_FA_ACCOUNT_GETLINKED_ACCOUNT_CUSTOMERS
	LMM_FA_ACCOUNT_GETLINKED_ACCOUNTS
	LMM_FA_ACCOUNT_DELETE
<b>Third Party Account Parameters</b>	LMM_FA_ACCOUNT_CREATE
<b>Account Parameters</b>	LMM_FA_ACCOUNT_CLOSE
<b>Account Parameters</b>	LMM_FA_ACCOUNT_AUTHORIZE
<b>Message Monitor</b>	LMG_FA_SUPPRESS_HOLD_MESSAGE
<b>Message Monitor</b>	LMG_FA_RETRY_HOLD_MESSAGE
<b>Message Monitor</b>	LMG_FA_MESSAGE_MONITOR_VIEW
<b>Dashboard</b>	LMD_FA_SCHEDULED_SWEEPS
	LMD_FA_RM_DASHBOARD
	LMD_FA_PENDING_TASK
	LMD_FA_INVESTMENT_DETAILS
	LMD_FA_INTEREST_DETAILS
	LMD_FA_EXCEPTION_LIST
	LMD_FA_EFFECTIVE_TOTAL_BALANCES

Screen Name	Functional Activity Code
<b>Dashboard</b>	LMD_FA_CUSTOMER_SWEEPS
	LMD_FA_CUSTOMER_BALANCES
	LMD_FA_CURRENCY_LIABILITY
	LMD_FA_CURRENCY_BALANCES
	LMD_FA_CROSSBORDER_SWEEPS
	LMD_FA_ALERTS
	LMD_FA_ACCOUNT_MAP
<b>Sweep Instruction</b>	LMC_FA_SWEEP_PRODUCTS_VIEW
	LMC_FA_SWEEP_INSTRUCTION_VIEW
	LMC_FA_SWEEP_INSTRUCTION_REOPEN
	LMC_FA_SWEEP_INSTRUCTION_MODIFY
	LMC_FA_SWEEP_INSTRUCTION_LOV
	LMC_FA_SWEEP_INSTRUCTION_DELETE
	LMC_FA_SWEEP_INSTRUCTION_CREATE
	LMC_FA_SWEEP_INSTRUCTION_CLOSE
	LMC_FA_SWEEP_INSTRUCTION_AUTHORIZE
<b>Authorization</b>	LMB_FA_PENDING_AUTH_VIEW
<b>File Upload</b>	LMB_FA_GETFU_ID
<b>Structure Simulation</b>	LMB_FA_FILE_SIMULATION_UPLOAD
<b>Batch</b>	LMA_FA_UPDATE_LAST_SWEEP_DATE

<b>Screen Name</b>	<b>Functional Activity Code</b>
<b>Structure Query</b>	LMA_FA_STR_QUERY
<b>Structure Approval</b>	LMA_FA_STR_APR
<b>Account Structure</b>	LMA_FA_STRUCTURE_VIEW
	LMA_FA_STRUCTURE_VA_COUNT
<b>Account Structure</b>	LMA_FA_STRUCTURE_VALIDATESTRUCTURE
	LMA_FA_STRUCTURE_UPDATENXTRUNDATE
<b>RM Dashboard</b>	LMA_FA_STRUCTURE_SWEEP_COUNT
<b>Account Structure</b>	LMA_FA_STRUCTURE_SUBMITRECORD
<b>Simulation</b>	LMA_FA_STRUCTURE_SIMULATION_GETALL
<b>Account Structure</b>	LMA_FA_STRUCTURE_REOPEN
<b>Structure Approval</b>	LMA_FA_STRUCTURE_REJECT
<b>Account Structure</b>	LMA_FA_STRUCTURE_PRI_DETAILS
	LMA_FA_STRUCTURE_MODIFY
	LMA_FA_STRUCTURE_LOV
<b>Pool Batch</b>	LMA_FA_STRUCTURE_GETSTRUCTURE_FORPOOL
<b>Account Structure</b>	LMA_FA_STRUCTURE_GETSTRUCTUREPRIORITIES
	LMA_FA_STRUCTURE_GETSTRUCTUREID
<b>Account Structure</b>	LMA_FA_STRUCTURE_GETSTRUCTUREACCOUNTS
	LMA_FA_STRUCTURE_GETSTRACCPRIORITY
<b>Simulation</b>	LMA_FA_STRUCTURE_GETSIMULATIONID

Screen Name	Functional Activity Code
Batch	LMA_FA_STRUCTURE_GETBYIDLAZYLOAD
Account Structure	LMA_FA_STRUCTURE_GETACCOUNTSPRIORITYINSTR UCTURE
Account Structure	LMA_FA_STRUCTURE_EXPROT
Structure Maintenance	LMA_FA_STRUCTURE_DELETE
Account Structure	LMA_FA_STRUCTURE_CREATE
Account Structure	LMA_FA_STRUCTURE_CLOSE
Sweep Instruction	LMA_FA_STRUCTURE_CHECKSTRUCTEXISTS
Account Structure	LMA_FA_STRUCTURE_AUTHORIZE
Account Balance	LMX_FA_POSTBALFETCHUPDATE
	LMG_FA_PROCESSMT942MESSAGE
	LMG_FA_UPDATEMESSAGEDETAIL
Simulation	LMA_FA_SIMULATION_VIEW
	LMA_FA_SIMULATION_REOPEN
	LMA_FA_SIMULATION_MODIFY
Simulation	LMA_FA_SIMULATION_DELETE
	LMA_FA_SIMULATION_CREATE
	LMA_FA_SIMULATION_CLOSE
	LMA_FA_SIMULATION_AUTHORIZE

Screen Name	Functional Activity Code
<b>Pricing Scheme</b>	LCH_FA_PRICING_SCHEME_VIEW
	LCH_FA_PRICING_SCHEME_REOPEN
	LCH_FA_PRICING_SCHEME_NEW
	LCH_FA_PRICING_SCHEME_MODIFY
	LCH_FA_PRICING_SCHEME_DELETE
	LCH_FA_PRICING_SCHEME_CLOSE
	LCH_FA_PRICING_SCHEME_AUTHQUERY
	LCH_FA_PRICING_SCHEME_AUTH
<b>Charge Rule</b>	LCH_FA_CHARGE_RULE_VIEW
	LCH_FA_CHARGE_RULE_REOPEN
	LCH_FA_CHARGE_RULE_NEW
	LCH_FA_CHARGE_RULE_MODIFY
	LCH_FA_CHARGE_RULE_DELETE
	LCH_FA_CHARGE_RULE_CLOSE
	LCH_FA_CHARGE_RULE_AUTH

Screen Name	Functional Activity Code
<b>Charge Preferential Pricing</b>	LCH_FA_CHARGE_PREF_DEC_VIEW
	LCH_FA_CHARGE_PREF_DEC_REOPEN
	LCH_FA_CHARGE_PREF_DEC_NEW
	LCH_FA_CHARGE_PREF_DEC_MODIFY
	LCH_FA_CHARGE_PREF_DEC_DELETE
	LCH_FA_CHARGE_PREF_DEC_CUSTOMER
	LCH_FA_CHARGE_PREF_DEC_CLOSE
	LCH_FA_CHARGE_PREF_DEC_AUTH
<b>Charge Inquiry</b>	LCH_FA_CHARGE_INQUIRY

Screen Name	Functional Activity Code
<b>Charge Code</b>	LCH_FA_CHARGE_DEF_VIEW
	LCH_FA_CHARGE_DEF_REOPEN
	LCH_FA_CHARGE_DEF_NEW
	LCH_FA_CHARGE_DEF_MODIFY
	LCH_FA_CHARGE_DEF_DELETE
	LCH_FA_CHARGE_DEF_CLOSE
	LCH_FA_CHARGE_DEF_AUTH
<b>Charge Decisioning</b>	LCH_FA_CHARGE_DEC_VIEW
	LCH_FA_CHARGE_DEC_REOPEN
	LCH_FA_CHARGE_DEC_NEW
	LCH_FA_CHARGE_DEC_MODIFY
	LCH_FA_CHARGE_DEC_DELETE
	LCH_FA_CHARGE_DEC_CLOSE
	LCH_FA_CHARGE_DEC_AUTH

## 21 IC Formulae

### 21.1 Introduction

This chapter contains the following sections:

### 21.2 IC Formulae

#### 21.2.1 Sweep

Header/ Child	Condition	Formula
Header/Child	$ABS(LMVD\_DR\_BAL) > 0$	$(ABS(LMVD\_DR\_BAL) * RATE1 * DAYS) / (YEAR * 100)$
	$(LMVD\_CR\_BAL > 0) AND (LMVD\_CR\_BAL \leq 10000)$	$(LMVD\_CR\_BAL * RATE2 * DAYS) / (YEAR * 100)$
	$(LMVD\_CR\_BAL > 10000) AND (LMVD\_CR\_BAL \leq 9999999)$	$(LMVD\_CR\_BAL * RATE3 * DAYS) / (YEAR * 100)$

#### 21.2.2 Pool

##### Interest Method

Header/ Child	Condition	Formula
Header	$(LMVD\_CR\_POOLBAL > 0) AND (LMVD\_CR\_POOLBAL \leq 10000)$	$(LMVD\_CR\_POOLBAL * RATE4 * DAYS) / (YEAR * 100)$
	$(LMVD\_CR\_POOLBAL > 10000) AND (LMVD\_CR\_POOLBAL \leq 9999999)$	$(LMVD\_CR\_POOLBAL * RATE5 * DAYS) / (YEAR * 100)$
	$ABS(LMVD\_DR\_POOLBAL) > 0$	$(ABS(LMVD\_DR\_POOLBAL) * RATE6 * DAYS) / (YEAR * 100)$
Child	Not Applicable	Not Applicable

**Advantage Method**

<b>Header/ Child</b>	<b>Condition</b>	<b>Formula</b>
Header	LMVD_CR_POOLBAL>0	$(LMVD\_CR\_POOLBAL * RATE7 * DAYS) / (YEAR * 100)$
	ABS(LMVD_DR_POOLBAL)>0	$(ABS(LMVD\_DR\_POOLBAL * RATE8 * DAYS) / (YEAR * 100))$
Child	ABS(LMVD_DR_BAL)>0	$(ABS(LMVD\_DR\_BAL * RATE9 * DAYS) / (YEAR * 100))$
	(LMVD_CR_BAL>0) AND (LMVD_CR_BAL<=10000)	$(LMVD\_CR\_BAL * RATE10 * DAYS) / (YEAR * 100)$
	(LMVD_CR_BAL>10000) AND (LMVD_CR_BAL<=9999999)	$(LMVD\_CR\_BAL * RATE11 * DAYS) / (YEAR * 100)$

## Ratio Method

Header/ Child	Condition	Result
Header / Child	(LM_NETPOOLPOSITION > 0) AND (VD_DLY_CR_BAL_M > 0)	VD_DLY_CR_BAL_M * ((LM_COVERAGE_RATIO*CRCOVERATE*DAYS) / (YEAR*100)) + (((1-LM_COVERAGE_RATIO) *CRRESRATE*days)/(YEAR*100))
	(LM_NETPOOLPOSITION > 0) AND (ABS(VD_DLY_DR_BAL_M)>0)	ABS(VD_DLY_DR_BAL_M) * ((1*DRCOVERATE*DAYS)/(YEAR*100))
	(LM_NETPOOLPOSITION < 0) AND (VD_DLY_CR_BAL_M > 0)	VD_DLY_CR_BAL_M * ((1*DRCOVERATE*DAYS)/(YEAR*100))
	(LM_NETPOOLPOSITION < 0) AND (ABS(VD_DLY_DR_BAL_M)>0)	ABS(VD_DLY_DR_BAL_M) * ((LM_COVERAGE_RATIO*DRCOVERATE*DAYS) / (YEAR*100)) + (((1-LM_COVERAGE_RATIO) *DRRESRATE*days)/(YEAR*100))

**Interest Optimization Method**

Accounts	Condition	Result
	(LM_IO_STR_BALANCEINTHCCY >= LM_IO_STR_THAMOUNT) AND (LM_IO_STR_BALANCEINACCCY >= LM_IO_STR_THAMOUNTINACCCY)	(VD_DLY_CR_BAL_M*LM_IO_CCY EN_RATE*DAYS)/(YEAR*100)
All accounts	(LM_IO_STR_BALANCEINTHCCY >= LM_IO_STR_THAMOUNT) AND (LM_IO_STR_BALANCEINACCCY >= LM_IO_STR_THAMOUNTINACCCY)	(VD_DLY_CR_BAL_M*LM_IO_CCY PR_RATE*DAYS)/(YEAR*100)
	(LM_IO_STR_BALANCEINTHCCY >= LM_IO_STR_THAMOUNT) AND (LM_IO_STR_BALANCEINACCCY >= LM_IO_STR_THAMOUNTINACCCY)	(VD_DLY_CR_BAL_M*LM_IO_CCY NM_RATE*DAYS)/(YEAR*100)