

Product Release Notes
Oracle Banking Supply Chain Finance

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1. Preface

1.1 Purpose

The purpose of this document is to highlight the functionalities included in the Oracle Banking Supply Chain Finance 14.7.2.0.0 release.

1.2 Background

Oracle Financial Services Software Limited has developed Oracle Banking Supply Chain Finance solution. It is a unified, comprehensive, digitized end-to-end solution that supports the full lifecycle of supply chain finance and factoring across receivables and payables offering supplier centric financing and buyer centric financing. The solution addresses each of the supply chain processes from design through execution thereby enabling banks to optimize the working capital and supply chain operations of their corporate customers. Its unique value lies in its ability to provide the business with predefined processes and a world-class framework that takes care of business risk and compliance needs.

1.3 Audience

This guide is intended for the users of Oracle Banking Supply Chain Finance application.

1.4 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>.

1.5 Related Resources

For more information, refer to the following resources:

- Supply Chain Finance User Guide
- Receivables and Payables User Guide
- Oracle Banking Supply Chain Finance License Guide

1.6 Abbreviations

Abbreviation	Detailed Description
OBSCF	Oracle Banking Supply Chain Finance
API	Application Programming Interface
UI	User Interface

Abbreviation	Detailed Description
PO	Purchase Order
FIFO	First In First Out
OBDX	Oracle Banking Digital Experience
RFR	Risk Free Rate
OBCL	Oracle Banking Corporate Lending

2. Release Notes

2.1 Release Highlights

The key highlight of this release is to release new functionalities and enhancements made in the existing features with 14.7.2.0.0 version, required for supply chain finance industry with cutting-edge technology.

Functional Features:

- Introduction of Currency Conversion support for linking PO and Invoice
- Currency Conversion support for Conversion of Pre-Shipment to Post-Shipment finances
- Enhancements to Pre-Shipment Finance Settlement
- Introduction of Multi-Branch Support for Products
- Introduction of Finance Amendment
- Introduction of Risk Free Rates
- Enhancements to System Parameters UI
- Enhancements to Link Purchase Order Workflow
- Enhancements to Link Program Workflow
- Introduction of Schedule of Charges
- Enhancements to Inquiry screens
- Enhancements to Dashboard
- Enhancements to Dynamic Discounting
- Enhancements to Manual Recon UI
- Enhancements to Auto-Finance
- Introduction of Future Dated Disbursements for Purchase Orders
- Enhancements to Accounting Entries Maintenance
- Enhancements to Charge Decisioning Maintenance
- Introduction of Customer Category Filter criteria for Charges
- Introduction of Customer Category Filter criteria for Interest
- Enhancements to Reconciliation Rule Definition Maintenance
- Enhancements to Receivable and Payables
- Enhancements to Receivables and Payables Management
- Enhancements to Free Tasks UI

- Enhancements to File Upload Format
- Enhancements to Alerts

Non-Functional Features:

- Netting Impact
- Service Level Agreement Adaption
- Priority Management Framework Adaption
- Extensibility in Alerts Screens

Integrations:Currency Conversion

- API Enhancements
- Integration with OBCL for Risk Free Rates

2.2 Functional Features

2.2.1 Introduction of Currency Conversion support for linking PO and Invoice

As part of this release, following enhancements are carried out to facilitate Currency Conversion when a PO is linked with an Invoice in scenarios where PO and Invoice are raised in different currencies.

2.2.1.1 Enhancement to Create Receivables and Payables

As part of this release, 'Create Receivables and Payables' screen for Instrument Type 'Invoice' is enhanced with the following changes to support Currency Conversion during linkage of PO with Invoice.

- 'Link Purchase Orders' sub-section is updated to include the below values.
 - Invoice Allocated Amount (PO Ccy)
 - Exchange Rate
 - Invoice Allocated Amount (INV Ccy)
- 'Commodity Details' sub-section is updated to include the below values:
 - Net Cost (PO Ccy)
 - Net Cost (INV Ccy)

2.2.1.2 Enhancement to Purchase Order Inquiry

Purchase Order Inquiry screen is enhanced to support Currency Conversion during linkage of PO with invoice with the display of the below field in the 'Linked Invoice Details' tab of the 'Purchase Order Details' pop-up window.

- Exchange Rate

2.2.1.3 Enhancement to Receivables Inquiry

Receivables Inquiry screen is enhanced to support Currency Conversion during linkage of PO with invoice with the display of the below field in the 'Linked PO's' tab of the 'Invoice Details' pop-up window.

- Exchange Rate

2.2.1.4 Enhancement to Invoice File Upload Format

The Invoice File Upload format is also enhanced to support Currency Conversion during linkage of PO with Invoice.

2.2.2 Currency Conversion support for Conversion of Pre-Shipment finances to Post-Shipment finances

As part of this release, Currency Conversion support is introduced to facilitate the conversion of a pre-shipment-based loans to a post-shipment-based loans in scenarios where PO and Invoice are raised in different currencies.

2.2.2.1 Enhancements to Disbursement transactions UI

'Pre-shipment Liquidation' tab in the Disbursement transaction screen is enhanced to display the following values in the 'Pre-Shipment to be Liquidated' sub-section:

- Finance Outstanding/Appropriated (Invoice Finance Currency)
- Exchange Rate
- Finance Outstanding/Appropriated (PO Finance Currency)

2.2.2.2 Enhancements to Settlement transactions UI

'Basic Info' tab in the Settlement transactions screen is enhanced to display the following values in the 'Post-Shipment Disbursement Details' sub-section to support the currency conversion related changes:

- Pre-Shipment Settlement Amount (Invoice Finance Currency)
- Exchange Rate
- Pre-Shipment Settlement Amount (PO Finance Currency)

2.2.3 Enhancements to Pre-Shipment Finance Settlement

As part of this release, following enhancements are carried out to facilitate the settlement of Pre-shipment finances on the liquidation of both financed and unfinanced invoices.

2.2.3.1 Enhancements to System Parameters UI

System Parameters in Supply Chain Finance module is enhanced to introduce new flags to determine the Pre-shipment finance liquidation and the order of liquidation when an invoice payment is received.

Following fields are introduced in the in the 'Workflow Parameters' tab:

- Liquidate Pre-Shipment finances with Invoice Payment, which is defaulted to Yes
- 'Pre-Shipment Finance Liquidation Preference' field is introduced with the below options to help determine order of liquidation:
 - FIFO
 - Invoice Linked with PO and FIFO
 - Invoice Linked with PO

2.2.3.2 Enhancements to Accounting Maintenance

Accounting maintenance is enhanced to handle the liquidation of pre-shipment finances on invoice payment.

The 'Accounting Entries' maintenance for Supply Chain Finance module undergoes the below changes to support scenarios where invoice payment triggers the pre-shipment liquidation for unfinanced invoices:

- 'Residual Payment Refund' Event type is newly introduced with 'Payment Mode based' Filter Criteria to credit the remaining amount to the supplier after the post-shipment finance settlement.

The 'Accounting Entries' maintenance for Receivables module undergoes the below changes:

- Behavior of 'Is Instrument Financed' Filter Criteria for all relevant Events is extended to include Purchase Orders in addition to Invoices and Debit Notes.
 - If Yes, i.e., if the said instruments are financed, relevant accounting entries are populated.
 - If Yes, i.e., if the said instruments are financed and settled prior to invoice payment, then either a Residual Payment Refund or Margin Refund will be generated as applicable.
 - If No, i.e., if the instruments are not financed, relevant accounting entries are populated.

The 'Accounting Codes' maintenance for Supply Chain Finance module undergoes the below changes:

- The 'Debit Amount Type' and 'Credit Amount Type' fields under Role Details sub-section is updated with below values:
 - Residual Payment Amount

2.2.3.3 Processing changes

The following processing changes are carried out to facilitate the settlement of pre-shipment finances on the liquidation of both financed and unfinanced invoice payments.

Unfinanced Invoice Liquidation:

If there are no Post-Shipment programs linked to an Invoice, application will verify the 'Liquidate Pre-Shipment finances on Invoice Payment' and 'Pre-Shipment Finance Liquidation Preference' flags to determine the Pre-shipment finance liquidation and the order of liquidation when an invoice payment is received.

- If the 'Liquidate Pre-Shipment finances on Invoice Payment' toggle switch is set to On, application will settle the applicable pre-shipment finances. If set to Off, application will ignore pre-shipment finances and settle other applicable finances.
- When a Pre-shipment finance is outstanding and payment is received against the linked unfinanced invoices, system will determine the total pre-shipment finance outstanding amount for liquidation of the invoice.
 - If pre-shipment finance outstanding amount \geq invoice liquidation amount, then the system will allocate the entire invoice payment to settle the pre-shipment finance. The Pre-Shipment finance status will be updated as 'Partially Settled'.

- If pre-shipment finance outstanding amount < invoice liquidation amount, then the system will settle the pre-shipment finance. The Pre-Shipment finance status will be updated as 'Fully Settled'. The balance amount will be credited to supplier as a 'Residual Payment Refund'.

If there are Post-Shipment programs linked to an Invoice and not linked to a Pre-Shipment PO, then the application will verify the 'Pre-Shipment Finance Liquidation Preference' parameter is set to 'FIFO' or 'Invoice Linked with PO and FIFO'.

- Application identifies the outstanding Pre-Shipment PO finance basis FIFO on Finance Due Date for settlement, where the PO Finance reference is Outstanding / Partially Settled / Overdue.
- Pre-Shipment PO finance is settled with the liquidation of unfinanced and unlinked invoices.

If a Pre-Shipment finance is raised for multiple POs together and an invoice payment is received against a single PO, then the liquidation of invoice will be used to settle the overall pre-shipment finance.

Financed Invoice Liquidation:

- When a Pre-Shipment finance is outstanding and payment is received against linked and financed invoices, the application will settle the pre-shipment finance first and settle the post-shipment finance if any balance payment is available. In case any margin is leftover, this will be credited back to the supplier.
- When a Pre-Shipment finance is raised for multiple POs together and an invoice payment is received against a single PO, the application will settle the pre-shipment finance first and settle the post-shipment finance if any balance payment is available. In case any margin is leftover, this will be credited back to the supplier.
- When a Pre-Shipment finance settlement is skipped manually by the user, the application will skip the liquidation and mark the invoice as reconciled/paid. The user should initiate the pre-shipment finance settlement manually from Manual Settlement UI.

Residual Payment Refund

- For the scenarios where invoice payment triggers pre-shipment liquidation for unfinanced invoices, a new event 'Residual Payment Refund' is created to credit the remaining amount to the supplier after the post-shipment finance settlement.
- In case of exception, 'Residual Payment Refund' transaction is created in the 'Free Tasks' screen under 'Refund' Tasks.

2.2.4 Introduction of Multi-Branch Support for Products

As part of this release, Multi-Branch support for Product maintenance is introduced to enable financial institutions to define or restrict the use of a product across multiple branches.

2.2.4.1 Enhancements to Product Parameters

As part of this enhancement, 'Product Parameters' screen is enhanced with the following changes.

'Branch' field is updated as a Radio toggle button to define the product applicability with the following values:

- All
- Allowed
- Restricted

'Allowed Branches / Restricted Branches' section is introduced in the Basic Details if the user selects 'Allowed' or 'Restricted' in the Branch field. The user can select multiple branches

- Selecting the branches under 'Allowed' category automatically restricts the availability of the product for all the other branches.
- Selecting the branches under 'Restricted' category restricts the product availability only for the specific branches selected. This automatically means that the product defined will be available for all other branches.

2.2.4.2 Impact to Maintenance Screens

As part of this enhancement, Maintenance screens are impacted with the following changes.

- Products relevant to the user's branch only will be displayed in all the maintenance screens where product selection is required.
- Programs relevant to the product only will be displayed in all the maintenance screens where program selection is required.

2.2.4.3 Processing Changes

The following processing changes are carried out to facilitate multi-branch support for the products.

- 'User does not have privileges to modify/authorize this product' warning appears when the user tries to modify the product for which the branch does not have access.
- When a product is defined for multiple branches, modification of that product record is allowed only for users with access to the respective multiple branches.
- When a product is restricted for specific branches, modification of branches for the product record displays the following warnings:
 - Switch from Restricted option – "Product linkage to selected Restricted branches will be overwritten"
 - Switch from Allowed option – "Product linkage to selected Allowed branches will be overwritten"
 - Switch from ALL option – "Product linkage to All branches will be overwritten"

2.2.5 Introduction of Finance Amendment

As part of this release, Finance Amendment feature is introduced in the application wherein the tenor of a disbursed finance can be extended or reduced for valid business scenarios.

2.2.5.1 Introduction of Finance Amendment UI

As part of this release, Finance Amendment UI is introduced to enable bank users to modify the tenor of an active loan. For more information, refer to **Finance Amendment** section in the Oracle Banking Supply Chain Finance User Guide.

The Finance Amendment screen can be accessed in the following path:

Supply Chain Finance > Finance Amendment

- 'Finance Search/Selection' section with a number of fields is provided to search for active finances.
- 'List of Finances' section is provided to display the search results list of finances.
- 'Bulk Amendment' toggle switch is provided to select and amendment multiple finances together.
- 'View Amendments' hyperlink is provided in the 'List of Finances' section, to display the details of the original and modified values.
- 'Maturity Date' field is provided below the 'List of Finances' section to enable the user to modify the maturity dateof the finance.
- The following fields are provided below the 'List of Finances' section displays the details of the selected finances:
 - Grace Days
 - Past Due Date (Non-Editable)
- The following fields are provided below the 'List of Finances' section displays the details of the modified finances:
 - Total Finances
 - Total Finance Amount

2.2.5.2 Amendment Processing Workflow

As part of this release, following processing workflows are introduced to extend or reduce the tenor of a disbursed finance.

- The status of the Finance remains the same after the amendment operation.
- Amendment can be used to modify the maturity date of an active finance even if the loan has become overdue, provided no settlements are made against penalty components. Once modified, the delinquency status of the finance will be updated.
- Maturity date of a finance cannot be reduced before current business date/amendment date.
- The application will verify the 'Min Tenor', and the 'Max. Tenor' when the tenor of a finance is modified.

- The application generates an Interest Refund when the tenor is reduced for a Front Ended finance during amendment operation.
- The application collects an Interest Due when the tenor is extended for a Front Ended finance during amendment operation.
- Maturity date for a finance can only be changed to an effective date wherein it does not affect the schedules of Interest/Charges components that are partly/fully liquidated. i.e., revised maturity date should not be beyond the last liquidation date.

2.2.5.3 Introduction of Finance Amendment Tasks UI

As part of this release, the Amendment task screen is introduced in the application. When a finance is amended, an amendment task is created in the system based on the associated system, product, and/or program parameters.

The Amendment tasks can be accessed from the following path:

Tasks > Finance > Free Tasks

The following data segments are provided for the Amendment operation:

- Basic Information
- Party
- Interest
- Charges
- Amendment
- Summary

2.2.5.4 Enhancements to Maintenance Screens

As part of this release, the following maintenance screens are enhanced to support the Finance Amendment feature.

System Parameters:

Following fields are introduced in the in the 'Finance Parameters' tab:

- Amendment Auto-Processing
- Amendment Auth Required
- Validate Limits for Finance Amendment
- Maximum Records for Finance Amendment

Product Parameters:

Following fields are introduced in the in the 'Finance Parameters' tab:

- Amendment Applicable
- Amendment Auth Required
- Amendment Auto-Processing

Program Parameters:

Following fields are introduced in the 'Finance Parameters', and 'Link Spokes' tab:

- Amendment Auth Required
- Amendment Auto-Processing

Charge Decisioning:

Following change is introduced in the Charge Decisioning maintenance to define charges for Amendment:

- 'Amendment' is added to the Event drop-down field.

Accounting Entries:

Following change is introduced in the Accounting Entries maintenance:

- 'Amendment' is added to the Event drop-down field.

Accounting Entry Code:

Following change is introduced in the Accounting Entry Code maintenance:

- 'Additional Interest' value is added to the following drop-down fields:
 - Debit Amount Type
 - Credit Amount Type

External Account Mapping:

Following change is introduced in the External Account Mapping maintenance:

- 'Amendment' is added to the Event drop-down field.

Internal Account Mapping:

Following change is introduced in the Internal Account Mapping maintenance:

- 'Amendment' is added to the Event drop-down field.

Alert Decisioning:

Following change is introduced in the Alert Decisioning maintenance for Alert Category 'Finance'.

- Event drop-down field in Alerts Decision Details will also list the below values:
 - Finance Amendment
 - Finance Amendment In Progress

Alert Definition:

Following change is introduced in the Alert Definition maintenance for Alert Category 'Finance'.

- Event drop-down field will also list the below values:
 - Finance Amendment
 - Finance Amendment In Progress

2.2.5.5 Enhancements to Finance Inquiry

As part of this release, Finance Inquiry screen is enhanced to display the amended finance transactions. Following changes are introduced in the inquiry screen:

- 'Amended Finances' field is introduced with the below values:
 - Yes
 - No
 - All
- 'Amendment' data segment is introduced in the 'Finance Reference Number' hyperlink similar to the Disbursement/Settlement data segment with a card layout displaying the below details:
 - Basic Information
 - Party
 - Interest
 - Charges
 - Amendment
 - Summary

2.2.6 Introduction of Risk Free Rates

As part of this release, Oracle Banking Supply Chain Finance applications supports the Risk Free Rates (RFR). RFR's are a benchmark in financial transactions that are designed to exclude risk solely for economic factors and are more robust and less susceptible to manipulation than interbank offered rates (IBORs), such as LIBOR.

2.2.6.1 Enhancements to Interest Maintenance

As part of this release, following maintenance screens are enhanced to include the fields related to Risk Free Rates.

Interest Pricing:

- 'Alternative Risk Free Rate' field is introduced with the below values:
 - Yes
 - No
- 'Rate Code' drop-down field will now list RFR rate types, some of which are captured below, when the Alternative Risk-Free Rate Flag is set to Yes. Please note that other RFR rate type can also be defined.
 - Secured Overnight Financing Rate
 - Swiss Average Rate Overnight
 - Sterling Overnight Index Average
 - EURO Short Term Rate
- 'RFR Details' section is introduced with the below fields:

- RFR Method drop-down with the below values:
 - Look Back
 - Lockout
 - Interest Rollover
 - Plain
 - Last Recent
 - Last Reset
 - Index Value
- Lookback Days
- Lockout Days
- Rate Compounding
- RFR Rounding Unit

Interest Rate Decisioning:

- Spread/Margin Computation Method
 - Compounding
 - Normal
- Spread Adjustment Computation Method
 - Compounding
 - Normal
- Rate Computation Method
 - Cumulative Compounding Rate (CCR)
 - Non-Cumulative Compounding Rate (CCR)
- The above fields are added to the search results grid as a non-default field.
- 'Interest Pricing' hyperlink is enhanced to display the Risk Free Rate section with the below fields:
 - RFR Method
 - Lookback Days
 - Lockout Days
 - Payment Delay Days
 - Rate Compounding
 - RFR Rounding Unit
 - Spread/Margin Computation Method
 - Spread Adjustment Computation Method

- Rate Computation Method

2.2.6.2 Enhancements to Disbursement and Settlement Transactions

As part of this release, Interest tab in the Disbursement and Settlement transaction screens are enhanced to display the following changes:

- 'Interest/Penalty Amount Details' section is introduced with the below fields:
 - Interest Amount
 - Penalty on Principal
 - Penalty on Interest
- 'Interest Details', 'Penalty on Principal Details', and 'Penalty on Interest Details' sections are enhanced to display the below fields in addition to the existing fields:
 - Rate Pricing Rule
 - Applied Filter Criteria
 - Risk Free Rate
- 'Additional Details' hyperlink of 'Interest Details', 'Penalty on Principal Details', and 'Penalty on Interest Details' sections are enhanced to display 'RFR Details' tab in the pop-up window with the below fields:
 - RFR Method
 - Lookback Days
 - Lockout Days
 - Payment Delay Days
 - Rate Compounding
 - RFR Rounding Unit
 - Spread/Margin Computation Method
 - Spread Adjustment Computation Method
 - Rate Computation Method

2.2.7 Enhancements to System Parameters UI

As part of this release, System Parameters UI for is enhanced with the following changes:

- 'Workflow Parameters' tab in the Receivables and Payables application:
 - 'Auto Auth - PO Creation' field is renamed as 'Auto Auth - PO Creation and Processing'
- 'Liquidation Order for Auto Debit' field in the 'Finance Parameters' tab in the Supply Chain Finance application is enhanced to display the below values:
 - E - Penalty on Interest Outstanding
 - O - Penalty on Principal Outstanding

- I – Monthly Interest Due
- D - Overdue Finance (Delinquent finances)
- F - Finance Due or Overdue (Outstanding Finances)

2.2.8 Enhancements to Link Purchase Order Workflow

As part of this release, maker-checker workflow is introduced for linking PO with an Invoice.

If 'Auto Auth – Invoice' toggle is switched Off in System Parameters, 'Link PO' transaction is populated in the 'Free Tasks' under 'Instrument' Task type with the following fields:

- Invoice Number
- Buyer
- Supplier
- Invoice Date
- Net Invoice Amount
- Program
- Invoice Pre-Allocated Amount
- PO Number
- Purchase Order Available Amount
- Invoice Allocated Amount
- Purchase Order Available Amount Post-Linkage
- Remarks

2.2.9 Enhancements to Link Program Workflow

As part of this release, maker-checker workflow is introduced for linking Invoice, PO, or Debit Note with a Program.

If 'Auto Auth –Invoice' toggle is switched Off in Receivables and Payables module System Parameters, 'Link Program' transaction is populated in the 'Free Tasks' under 'Instrument' Task type with the following fields:

- Invoice Number
- Buyer
- Supplier
- Invoice Date
- Net Invoice Amount
- Program
- Remarks

If 'Auto Auth – PO creation and Processing' toggle is switched Off in Receivables and Payables module System Parameters, 'Link Program' transaction is populated in the 'Free Tasks' under 'Instrument' Task type with the following fields:

- PO External Number
- Relationship
- Buyer
- Supplier
- PO Date
- Promised Shipment Date
- PO Amount
- Program
- Remarks

2.2.10 Introduction of Schedule of Charges

As part of this release, the following sections are enhanced to display the schedule of charges if the charge collection is 'Periodic' to make sure that the bank users are aware of all the charges levied for the entire period.

'Charge Details' grid in Charges tab for Disbursement and Settlement transactions:

- 'Batch' label is renamed as 'Periodic' label for both 'Collection Type' and 'Calculation Type' fields.
- 'Charge' field will display the 'Charge Description' instead of 'Charge Code'.
- 'Charge Collection Type' field is introduced next to 'Charge Pricing Rule' field with the below values:
 - Online
 - Periodic
- 'Schedule of Charges' tab is introduced along with 'Charge Details' in the Charge Details hyperlink when the Charge Collection Type is 'Periodic'. The below values are displayed:
 - Sr. No
 - Date of Charge Calculation
 - Charge Calculation Amount
 - Date of Charge Collection
 - Charge Collection Amount
 - Collection Status
 - Charge Status
- Finance Inquiry screen is also enhanced to display the above details in the Charges segment.

2.2.11 Enhancements to Inquiry screens

As part of this release, following Inquiry screens are enhanced to display the rule with which the auto-recon is processed.

- Payment Inquiry - 'Excess Payment Details' tab in Details pop-up screen
- Receivables Inquiry - 'Margin Details' tab in 'Invoice Details' pop-up screen
- Finance Inquiry - 'Interest Refund Details' pop-up screen

'Recon Type' field is added to the inquiry screens with the below values:

- Manual
- Auto (When clicked on the Information icon hyperlink, below details are displayed).
 - Rule Id
 - Rule Description

As part of this release, Charges module is enhanced to support integration with an external pricing module as well as capability to waive, modify or override existing charges. Thus, Charges Inquiry screen is enhanced with the following changes to facilitate the bank user to search based on the new parameters.

- 'Status' field is introduced in the search grid with the below list of values:
 - Waived
 - Auto Waived
 - Overridden
 - Modified
- 'External Pricing' field is introduced in the search grid with the below list of values:
 - ALL
 - Yes
 - No
- 'Status' field is introduced in the search results grid with the below list of values:
 - Waived
 - Auto Waived
 - Overridden
 - Modified
- 'View Original Charges' hyperlink displays the details of the applicable Charge Pricing Rule.
- 'External Pricing' field is introduced in the search results grid.
- 'External Pricing Identifier' and 'External Pricing Identifier Description' fields are added to the 'Additional Details' tab in 'Finance Details' pop-up screen.

- 'Batch' label is renamed as 'Periodic' label for both 'Collection Type' and 'Calculation Type' fields.

2.2.12 Enhancements to Dashboard

As part of this release, the dashboard is enhanced to display the following widgets that provides information on the pre-post shipment finance conversion, and interest due to the banks and financial institutions.

2.2.12.1 Enhancement of Finances Maturing widget

As part of this release, Finances Maturing widget is enhanced to display the pre-shipment finances and post Shipment finances separately that are maturing in the next 4 months. The widget displays the following values as a line graph:

- Purchase Order (Pre-Shipment Finances)
- Invoices (Post-Shipment Finances)
- Total Outstandings (Total Outstanding Finances)

2.2.12.2 Introduction of Upcoming Repayments widget

As part of this release, the Upcoming Repayments widget is introduced to display the upcoming repayments for a week including the current business date. The widget displays the following values as a bar chart for each date:

- Finance Payment Due
- Interest Payment Due

2.2.12.3 Introduction of Outstanding Pre-Shipment Finances widget

As part of this release, Outstanding Pre-Shipment Finances widget is introduced to display the outstanding pre-shipment finances. The widget displays the following values as a donut:

- Finances with Linked Invoices (Eligible for Conversion to Post Shipment Finances)
- Finances without Linked Invoices

The widget also displays the Total Outstanding Finances with options to filter the finances based on the supplier, program, and/or buyer.

2.2.12.4 Introduction of Settlement Trend for Pre-shipment Finances widget

- As part of this release, Settlement Trend for Pre-shipment Finances widget is introduced to display the settlement trend for pre-shipment finances for a period of 6 months or 12 months. The widget displays the following values as a line graph: Settled Through Post-Shipment Disbursement
- Settled Through Invoice Payment
- Settled Through Direct Finance Payment

2.2.13 Enhancements to Dynamic Discounting

As part of this release, following enhancements are made to support new features in Dynamic Discounting.

2.2.13.1 Enhancements to Receivables and Payables Management UI for Dynamic Discounting

The Receivables and Payables Management screen is enhanced with the following UI changes for 'Accept Early Payment Offer' Action:

- 'Discount Offers' button is introduced to display the historical discount offers for both Fixed Payment Date and Pay by Date.
- "Early Payment Discount Schedule" hyperlink is introduced for 'Pay by Date' Applicability Basis to display the below values:
 - Payment Date From
 - Payment Date To
 - Discount Rate
 - Upper Discount Threshold
 - Lower Discount Threshold
 - Sliding Scale Applicable
- 'Accept' and 'Reject' buttons are introduced in place of 'Apply' button to either accept or reject the discount offers.

2.2.13.2 Processing changes

- If the user selects 'Auto Applicable' as Yes while creating a discount offer, then post-authorization of the offer, an 'Accept the Discount Offer' event gets automatically triggered for eligible invoices and the task gets auto processed.
- For the 'Pay by Date' Applicability Basis, if the buyer pays for the invoice before invoice due date, or between the payment date and the payment due date, then the discount offer gets applied.
- The invoice should be marked as fully reconciled post successful rule execution if $\text{Payment Amount} \geq \text{Invoice Outstanding Amount} - \text{Discount Amount}$.
- Amount to be reconciled for marking the invoice/debit note record as fully paid should always be invoice/debit note outstanding minus discount amount. If the payment amount is greater than the invoice outstanding, then the amount left to be reconciled in the payment record should be payment amount – invoice/debit note outstanding – discount amount.

2.2.14 Enhancements to Manual Recon UI

As part of this release, the Manual Recon screen is enhanced to capture and apply the discount offer when an invoice with a dynamic discount rule is reconciled.

Below are the changes in the search results grid of 'Reconciliation' step:

- An 'Info' icon is added to the 'Outstanding Amount' field in the Invoices search results grid that displays 'Accepted Discount Offer Details'.
- 'Payment Value Date' field is added next to the 'Parent Payment Number' field in the Payments search results grid.
- 'Credit Note Date' field is added next to the 'Credit Note Number' field in the Credit Notes search results grid.

Below are the changes in the 'Allocation'/second step of manual recon:

- 'Payment/Credit Note Value Date' field is added next to the 'Payment/Credit Note Number' field.

2.2.15 Enhancements to Auto-Finance

2.2.15.1 Invoice

At present if the 'Auto Finance Applicable' toggle switch in ON, the application triggers an auto finance request when an invoice is created via Create Receivables and Payables UI or when an Invoice File is Uploaded. Auto Finance request is not triggered for an invoice if relevant conditions such as acceptance and assignment are not satisfied..

As part of this release, Auto-Finance processing is enhanced to automatically trigger the auto-finance requests if the invoice is manually Accepted or Assigned subject to the below condition:

- 'Auto Finance Applicable' is switched ON, and one or both of the 'Assignment Applicable' or 'Acceptance Applicable' switch is ON.

2.2.15.2 Purchase Order

At present if the 'Pre-Accepted' toggle switch in ON, the application triggers an auto finance request when a purchase order is created via Create Receivables and Payables UI.

As part of this release, Auto-Finance processing is enhanced to automatically trigger the auto-finance requests for purchase order creation through File Upload, if the 'Pre-Accepted' flag in the file is set to Y.

2.2.16 Introduction of Future Dated Disbursements for Purchase Orders

As a part of this release, provision of 'Funding Request Date' has been added for the purchase order records based on which a batch job is executed to trigger automatic financing on funding request date.

2.2.16.1 Processing Changes

- The application parks the purchase order for a future dated disbursement in case funding request date is a future date.
- The purchase order can be edited or accepted at any time prior to the funding request date.

- If the funding request date is blank or current business date and auto-finance parameter is enabled, then the application will verify other relevant parameters as per existing workflow and disburse the finance.
- If the funding request date is blank or current business date and auto-finance parameter is disabled, then the purchase order can either be manually financed or the funding request date can be added.
- On the funding request date, a batch job is executed, to identify and finance all eligible purchase orders for the date.

2.2.16.2 Purchase Order UI

As part of this release, the following enhancements are done to the below screens:

- Create Receivables and Payables (For 'Purchase Order' instrument type)
 - 'Funding Request Date' field is added in the Basic Information screen.
- Receivables and Payables Management (For 'Purchase Order' instrument type, 'Edit' action)
 - 'Funding Request Date' field is added to the 'Date Reference Basis' drop-down in the search grid.
 - 'Funding Request Date' field is added to the 'Basic Details' tab.
- Purchase Order Inquiry
 - 'Date Reference Basis' drop-down field is added with the below values:
 - Funding Request Date
 - PO Date
 - 'Funding Request Date' field is added to the search results grid as a non-default field.
- Receivables Inquiry
 - 'Funding Request Date' field is added to the search results grid as a non-default field.

2.2.16.3 Batch Job Configuration

As part of this release, a batch job is created to process the future dated disbursement requests automatically on the disbursement date. This batch job will identify the purchase orders with funding request date as current business date and process the requests basis the Auto Finance, Disbursement Auto Processing, and Disbursement Auth required flags.

2.2.17 Enhancements to Accounting Entries Maintenance

As part of this release, Accounting Entries maintenance screen is enhanced to display the 'Accounting Entry Code' field in the search results grid as a hyperlink to view the details of the selected accounting entry code.

2.2.18 Enhancements to Charge Decisioning Maintenance

As part of this release, Charge Decisioning maintenance screen is enhanced with the following changes:

- 'Charge Pricing Rule' field in the 'Add/Override Charges' and Default 'Charges' search results grid is as a hyperlink to view the details of the selected charge pricing rule.
- 'Batch' label is renamed as 'Periodic' label for both 'Collection Type' and 'Calculation Type' fields.

2.2.19 Introduction of Customer Category Filter criteria for Charges

As part of this release, a new filter criteria 'Customer Category' is introduced in Charges to enable the banks and financial institutions to define specific charges to a single or a multiple group of customers. This facilitates them to levy preferential or different charges to such groups during transaction processing.

2.2.19.1 Enhancements to Charge Preferential Pricing Maintenance

As part of this release, Charge Preferential Pricing maintenance screen is enhanced to include the following changes:

- 'Filter Criteria' field is updated to include the below values for SCF application:
 - Customer Category Based
 - Program and Customer Category Based
- 'Filter Criteria' field is updated to include the below values for Receivables and Payables application:
 - Customer Category Based
 - Instrument type and Customer Category Based
 - Instrument type Status and Customer Category Based
- 'Charge Pricing Rule' field in the search results grid will be hyperlink showing details of the selected charge pricing rule.
- 'Batch' label is renamed as 'Periodic' label for both 'Collection Type' and 'Calculation Type' fields.

2.2.19.2 Enhancements to Preferential Pricing priority

As part of this release, the preferential pricing priority is enhanced to incorporate charges that are defined for customer category or combination of the same.

- Priority for SCF application in the same order:
 - i. Program and Party
 - ii. Party
 - iii. Program and Customer Category
 - iv. Program
 - v. Customer Category

- Priority for Receivables and Payables application in the same order:
 - i. Party ID, Instrument Status, and Instrument Type
 - ii. Party
 - iii. Instrument Status, Instrument Type, and Customer Category
 - iv. Instrument Type and Customer Category
 - v. Customer Category

2.2.20 Introduction of Customer Category Filter criteria for Interest

As part of this release, a new filter criteria 'Customer Category' is introduced in Interest to enable the banks and financial institutions to define specific interest to a group of customers of a specific customer category. This facilitates the bank user to levy preferential or different interest to such groups.

2.2.20.1 Enhancements to Interest Rate Decisioning Maintenance

As part of this release, Interest Rate Decisioning maintenance screen is enhanced to include the following changes:

- 'Filter Criteria' field is updated to include the below values:
 - Customer Category Based
 - Program and Customer Category Based

2.2.20.2 Enhancements to Interest Rate Decisioning

As part of this release, the interest rate decisioning priority is set as below for Disbursement transactions on account of including customer category.

- Priority for Interest Rate Decisioning:
 - i. Program and Party
 - ii. Party
 - iii. Program and Customer Category
 - iv. Customer Category

2.2.21 Enhancements to Reconciliation Rule Definition Maintenance

As part of this release, Reconciliation Rule Definition maintenance screen is enhanced to include the below value for both Invoice Attributes and Payment Attributes.

- Payment Under Approval (PUA)

2.2.22 Enhancements to Receivable and Payables

As part of this release, the following Receivable and Payables screens are enhanced to include the filler fields in the 'Basic Information' tab:

2.2.22.1 Enhancements to Create Receivables and Payables UI to include additional fields

For Instrument type 'Invoice':

- 'Bank and 'Branch' fields are introduced before the 'Repayment Account Number' field.
- 'Filler Fields/Miscellaneous Fields' section is introduced with the below fields to allow the bank users to input filler information:
 - Filler Fields 1 to 4

For Instrument type 'Debit Note':

- 'Bank and 'Branch' fields are introduced before the 'Repayment Account Number' field.
- 'Filler Fields/Miscellaneous Fields' section is introduced with the below fields to allow the bank users to input filler information:
 - Filler Fields 1 to 10

For Instrument type 'Credit Note':

- 'Filler Fields/Miscellaneous Fields' section is introduced with the below fields to allow the bank users to input filler information:
 - Filler Fields 1 to 10

For Instrument type 'Purchase Order':

- 'Filler Fields/Miscellaneous Fields' section is introduced with the below fields to allow the bank users to input filler information:
 - Filler Fields 1 to 6

2.2.22.2 Enhancements to Inquiry screens to display additional fields

As part of this release, Purchase Order Inquiry, Receivables Inquiry, and Credit Note Inquiry screens are enhanced to display the filler fields information, if applicable, in the 'Basic Details' tab.

2.2.23 Enhancements to Receivables/Payables Management for new Edit feature

As part of this release, Receivables and Payables Management screen is enhanced with the following changes:

2.2.23.1 Enhancements to Action type 'Edit':

Edit action is enhanced with the below changes to allow the bank users to modify the instruments after they are uploaded or financed.

- 'Bulk Edit' toggle switch is introduced to edit multiple instruments together.
- 'Review Edits' column is introduced in the search results grid next to 'Due Date' column which displays the View Edits' hyperlink to review the original and modified values.

Instrument type 'Invoice':

Existing 'New Due Date' and 'Funding Request Date' fields are removed, and the following fields are newly introduced:

- Basic Information tab

Invoice Date	Supplier Division Code	Branch
Invoice Value Date	Buyer Division Code	BIC Routing Code
Invoice Due Date	Repayment Account Number	Remarks
Program	Funding Request Date	Filler Fields 1 to 4
Virtual Account	Bank	

- Shipment Information tab

Shipment Date	City	Reason for Export
Shipment Number	Zip Code	Terms of Sale (Incoterms)
Shipment Address	Phone Number	Net Payment Terms
Shipment Country	Tax ID	Country of Origin

- Pricing tab

Primary Discount Days	Secondary Discount Days	Misc Charge Desc 1
Primary Discount Percentage	Secondary Discount Percentage	Misc Charge Desc 2

Instrument type 'Debit Note':

Existing 'New Due Date' and 'Funding Request Date' fields are removed, and the following fields are newly introduced:

- Basic Information tab

Debit Note Date	Buyer Division Code	BIC Routing Code
Debit Note Due Date	Repayment Account Number	Remarks
Program	Funding Request Date	Adjustment Reason
Virtual Account	Bank	Filler Fields 1 to 10
Supplier Division Code	Branch	

- Shipment Information tab

Shipment Date	City	Reason for Export
Shipment Number	Zip Code	Terms of Sale (Incoterms)
Shipment Address	Phone Number	Net Payment Terms
Shipment Country	Tax ID	Country of Origin

- Pricing tab

Primary Discount Days	Secondary Discount Days	Misc Charge Desc 1
Primary Discount Percentage	Secondary Discount Percentage	Misc Charge Desc 2

Instrument type 'Purchase Order':

Existing 'New Promised Shipment Date' field is removed, and the following fields are newly introduced:

- Basic Information tab

PO Date	Buyer Division Code	Remarks
Program	Supplier Division Code	Filler Fields 1 to 6
Funding Request Date		

- Shipment Information tab

Requested Shipment Date	City	Terms of Sale (Incoterms)
Promised Shipment Date	Zip Code	Payment Terms
Shipment To	Phone Number	Country of Origin
Shipment Address	Tax ID	
Shipment Country	Reason for Export	

- Pricing tab

Misc Charge Desc 1	Misc Charge Desc 2	
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Action type 'Assignment':

'Assignment' action for Instrument types 'Invoice', 'Debit Note', and 'Invoice & Dr Note' is enhanced to introduce the 'Auto-Apportion' field.

2.2.24 Enhancements to Free Tasks UI to support new Edit feature

As part of this release, Free Tasks screen for 'Instruments' is enhanced to support the newly introduced edit capabilities wherein the authorizer can view the modified instruments and accept/reject them. 'Review Edits' column is introduced in the grid next to 'Due Date' column which displays the View Edits' hyperlink to review the original and modified values.

2.2.25 Enhancements to File Upload Formats to include additional validations and fields

As part of this release, File Upload format for Invoice and Purchase Order is enhanced with the below changes:

- Following validations are now introduced for Invoice upload file:
 - Total Invoice Amount = Base Invoice Amount - Discount + Tax
 - Net Invoice Amount = Total Invoice Amount + Misc Charges
- Following fields are introduced in the Invoice upload file:

Shipment Date	Phone Number	Misc Charge1 Desc
Shipment Number	Tax ID	Misc Charge 1 Amount
Shipment Address	Reason for Export	Misc Charge 2 Desc
Shipment Country	Terms of Sale	Misc Charge 2 Amount
City	Country of Origin	
Zip Code	Remarks	

- Following fields are introduced in the Purchase Order upload file:

Funding Request Date	Terms of Sale	Misc Charge1 Desc
Requested Shipment Date	Payment Terms	Misc Charge 1 Amount
Shipment To	Country of Origin	Misc Charge 2 Desc
Phone Number	Remarks	Misc Charge 2 Amount
Reason for Export		

2.2.26 Enhancements to Alerts to support improved capability of scheduled alerts

As part of this release, Alerts Decisioning screen is enhanced with the following changes:

- 'Generate Days Before' field is removed from the Alert Decision Details section and the details grid.
- 'Alert Schedule' pop-up window is enhanced to include 3 separate tabs:
 - Alert before Event
 - Generate Days before
 - Number of Alerts
 - Interval Days
 - Text Template
 - Alert on Event
 - Text Template
 - Alert after Event
 - Generate Days after
 - Number of Alerts
 - Interval Days
 - Text Template

2.3 Non-Functional Features

2.3.1 Netting Impact

With the introduction of separate receivable and payable parameters for relationship management at the corporate level, we will be using the new API in obscfcm-core service to access these parameters for our transaction and maintenance purposes. The affected parameters include:

- allowOverdueRcv
- autoAcceptance
- autoDebitApplicable
- excessHandling
- excessRefundParty
- excessRefundPaymentMode
- holidayTreatment
- maxDaysOverdue
- noOfDays
- ValidateLinkedPO

2.3.2 Service Level Agreement Adaption

Oracle Banking Supply Chain Finance now supports Service Level Agreement (SLA). Service Level Agreement is where the service provider assures the customer about the time taken for a given service. As part of this release, customers can define the SLA for all the transactions of Oracle Banking Supply Chain Finance so that the banks and financial institutions can control the delivery of service to the customer and monitor the same.

2.3.3 Priority Management Framework Adaption

Oracle Banking Supply Chain Finance now supports Priority Management Framework. Bank users can define the priority code applicable for all the transactions of Oracle Banking Supply Chain Finance and Oracle Banking Supply Chain Finance and Cash Management, so that bank can prioritize the completion of critical transactions as well as the transactions of important customers.

2.3.4 Extensibility in Alert Screens

As part of this release, Alerts screens are enhanced to provide the users the ability to add the required fields at the code level.

2.4 Technical Features

NA

2.5 Integrations

2.5.1 API Enhancements

As part of this release, OBDX, Service, and Web APIs are introduced/enhanced for the below features:

1. Pre-Post Enhancements integration with OBDX
2. Multi-Branch Support for Products
3. Finance Amendment
4. Currency Conversion Support for Invoice-PO linkage
5. Edit Invoice/Debit Note
6. Edit Purchase Order

2.5.2 Integration with OBCL for Risk Free Rates

As part of this release, Oracle Banking Supply Chain Finance is integrated with Oracle Banking Corporate Lending to maintain the same rate codes for the respective currencies.

2.6 Platform Changes

NA

3. Deprecated Features

NA

4. Patches and Bugs

BugID	Bug Description	Fix Description

5. Security Fixes

NA

6. Limitations and Open issues

6.1 Limitations and open issues

BugID	Bug Description
34719532	When the display orientation is set to portrait/landscape mode, the page is lost
34719539	When zoomed at 400%, the page does not reflow
34719550	Documentation does not cover the accessibility features of the product

7. Components of the Software

7.1 Documents accompanying the software

The various documents accompanying the software are as follows:

- Release Notes
- User Manuals and Installation manuals

7.2 Software Components

Software Components of OBSCF 14.7.2.0.0 that form part of this release are as follows:

- Core
 - UI Components (OJET)
 - The Swagger / YAML for the services supported
 - Configuration files for the services
 - Service Components
 - Tables, Sequences, Static Data
- Installation utilities
 - Installer zips containing installation scripts for installing microservices and UI.

Annexure – A: Environment Details

Table 1 Tech Stack - Oracle Banking Supply Chain Finance

Machine	Operating System	Software	Version Number	
Application Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Java HotSpot (TM) JDK (with WebLogic Application Server)	Oracle JDK 8 Update 341 or JDK 11.0.16	
		Oracle WebLogic Server	14.1.1.0.0 **Patch 32077936	
Database Server	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	19.18.0.0.0 (19c)	
Message Broker	Oracle Enterprise Linux Server 8.3 (x86 64 Bit)	Apache Kafka	2.13-3.4.0	
		Apache Zookeeper (Embedded with Kafka)	3.6.3	
Client Machines#	For detailed information on Browser Support, please refer to the Oracle Software Web Browser Support Policy at : https://www.oracle.com/middleware/technologies/browser-policy.html	Mozilla Firefox	87+	
		Google Chrome	88+	
		Microsoft Edge	89+	
		Apple Safari	14+	
Note:				
<ul style="list-style-type: none"> **Patch 32077936: JSF APPLICATION RESPONSE ISSUE FOR HTTPS PROTOCOL WHEN HTTP2 IS ENABLED. Browser Support is strictly tied to the Browser itself, and no longer based on the Operating System. Current release is certified on client workstations with Windows 10 and Mac. 				

Table 2 UI Stack

Software Type	Recommended Software	Version Number
UI	Oracle JET	v13.0.0

Annexure – B: Third Party Software Details

For information on the third-party software, refer to the Oracle Banking Supply Chain Finance License Guide.